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WSW®
GUANGDA BEARING

METALLURGY GENERAL BEARING CATALOGUE

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发 行 辞

值此新版 **WSW**《滚动轴承型录》发行之际，我们谨向平素特别惠顾**WSW**产品的各位朋友，表示衷心的感谢。

近年来，由于市场对各类机械设备的使用性能提出了越来越高的要求，从而，作为重要机械零件的滚动轴承的诸项性能，也要有所提高，才能不断地满足高速、高寿命、高可靠性以及在特殊环境下使用的要求，甚至在某些方面要求与当今的高科技融汇一体。对此，**WSW**不断地进行技术创新和产品研发。

本次新版发行的《滚动轴承型录》中，包罗了大量的新技术课题和产品研发成果。我们深信，各位在选择和使用滚动轴承时，必将对您有所启迪和帮助。

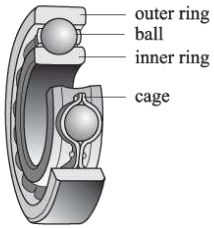
WSW从用户实际出发，专为用户而开发，专为工况而设计，满足个性化要求，不断地将炉火纯青的技术、优质的产品和服务奉献给您。

我们衷心期望，WSW品牌的滚动轴承能够为您带来超越期待的喜悦。

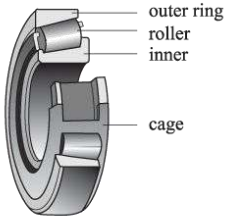
Structures and types of rolling bearings

Structures of rolling bearings

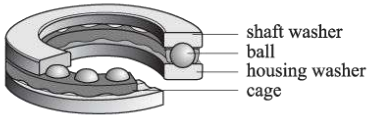
A rolling bearing normally consists of rings (inner ring and outer ring), rolling elements and a cage. The outer ring and inner ring have the rolling elements between them, which are The elements are between the outerring and the inner ring, and are held by the cage to ensure the smooth rolling.



(Deep groove ball bearing)



(Tapered roller bearing)



(Thrust ball bearing)

Figure 1. Structure examples

Rings (inner ring and outer ring)

The position for the rolling of elements on the rings is called raceway and the surface of this position is called raceway surface. The raceway of ball bearings is also called groove.

Generally speaking, the inner ring and the outer ring works with shaft and housing respectively. The inner ring and the outer ring of thrust bearing is also called the shaft washer and the housing washer respectively.

Rolling elements

Rolling elements have two types, one of which is balls and the other one is rollers. The rollers can be cylindrical rollers, needle rollers, tapered rollers, spherical rollers or other shapes of rollers according to the structures.

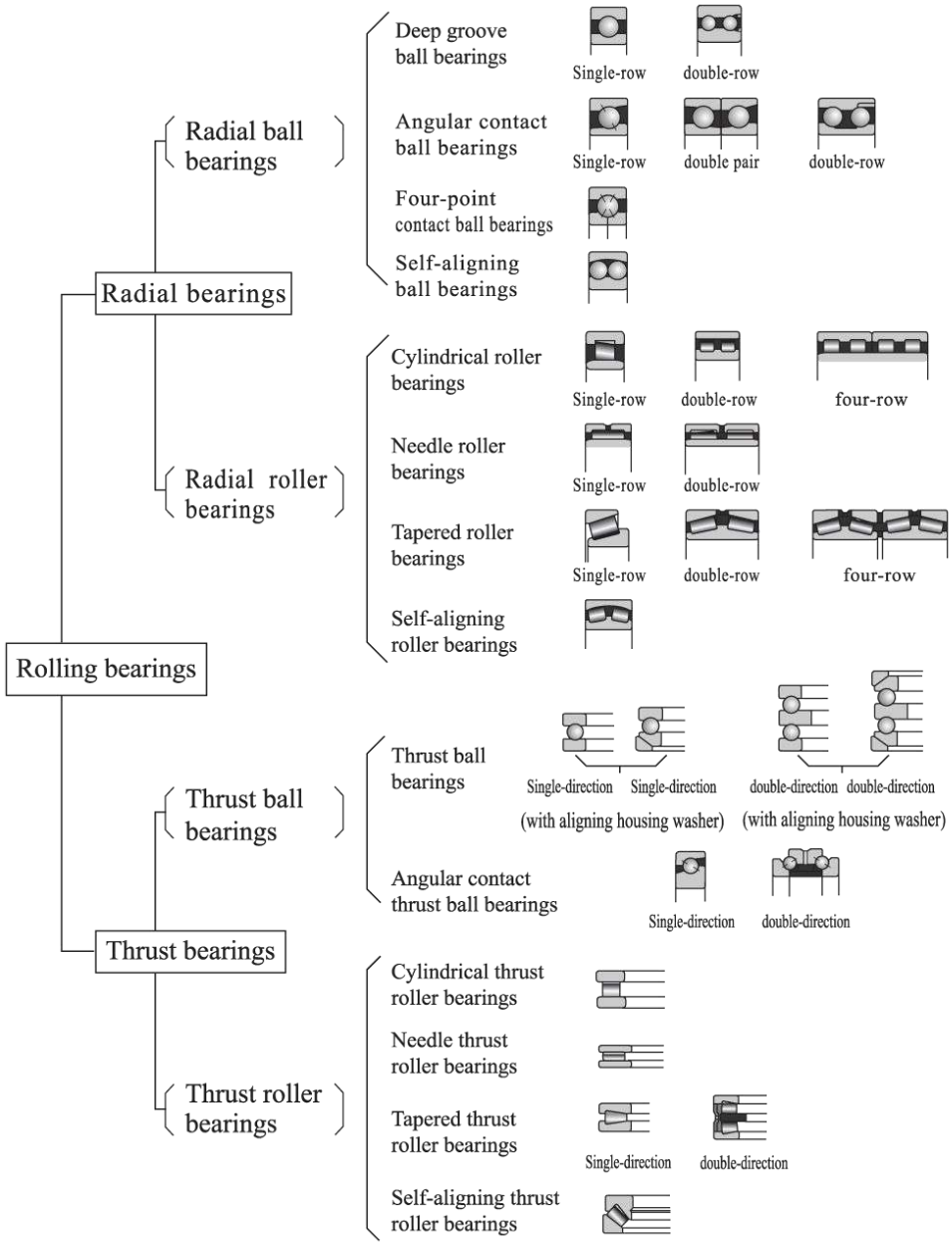
Cage

The cage is applied to embrace rolling elements partially to ensure certain distance to neighbor rollers in circumferential direction.
The cage can be pressed cages, solid machined cages or engineering plastic cages.
Comparing with full complement (balls or rollers) bearings, bearings with cage have less friction and are suitable for the high-speed rotation.

Classification of rolling bearings

Based on different contact angles, rolling bearings can be divided into radial bearings and thrust bearings. Or according to the structure of the rolling elements and rings, rolling bearings can be classified into deep groove ball bearings, self-aligning ball bearings, angular contact ball bearings, thrust ball bearings, cylindrical roller bearings, needle roller bearings, self-aligning roller bearings, tapered roller bearings, thrust spherical roller bearings and so on.
According to the rows of rolling elements, they can be divided into single row, double row and multi-row (eg, three-row, four-row) bearings.
For general classification of rolling bearings, please see Figure 2.

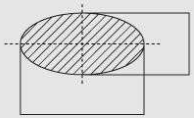
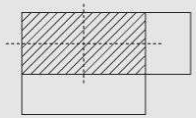
Structures and types of rolling bearings
(Figure 2. Classification of Rolling Bearings)



Characteristics of rolling bearings

Low starting friction coefficient.
Uniform ISO standards and bearing designation. Convenient availability of Interchangeable products. Easy lubrication and less consumption of lubricant.
One bearing can carry axial and radial load simultaneously.
Convenient emply under high or low temperature condition.
Reintorcement of bearing rigidity by preload.

Comparison of ball bearings with roller bearings

	Ball bearings	Roller bearings
Contact with raceway	Point contact Contact surface is in elliptical form when being loaded. 	Linear contact Contact surface is in quadrate form when being loaded. 
Characteristics	Resistance is small. It is suitable for the working condition of low torque, high ratation speed and low noise.	Torque is higher than ball bearings and rigidity is also higher.
Load capacity	Low-But can bear both radial load and axial load.	Hisher Cylindrical roller bearings with rib can bear light axial load. Double-row tapered roller bearings can bear both radial and axial load.

The radial and thrust bearings

Almost all rolling bearings can bear both radial and axial load simultaneously.
Generally speaking, one bearing should be considered as a radial bearing this bearing has a contact angle smaller than 45°with higher radial load capacity if its contact angle smaller than 45°. And one bearing should be, otherwise, considered as a thrust bearing if this bearing has a contact angle larger than 45°with higher axial load capability. Some other bearings are considered as complex bearings, which can bear the combined axial and radial load.

Standard bearings and non-standard bearings

Standard bearings are those which of the basic boundary dimension and the tolerance in accord with international specifications. Non-standard bearings are designed and manufactured according to the customers' requirements.

System of bearing code

Basic bearing code

Standard bearings

Each standard bearing, designed by **WSW**, has a basic code, which usually consists of three, four or five digitals, or combined with letters and digitals.
The meaning of digitals (or letters and digitals) is as below:
——The initial digital, or letter or letter group indicates bearing type.
——The second and the third digital indicates the dimension series. The second digital stands for the width (height) series, and the third digital stands for the diameter series.
——The last two digitals of the basic bearing code multiplied by 5 will be the inner diameter in millimeter.

Under certain cases, the digital standing for the bearing type or the first digital standing for the dimension series are defaulted. The default digitals have been listed with brackets in Table 1.

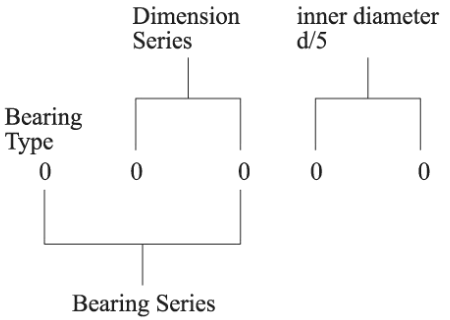


Table 1

(0)32	1(0)2	223	302	4(2)2	510	(6)(0)2	719	811
(0)33	(1)22	213	303	4(2)3	511	(6)(0)3	7(1)0	812
(0)40	1(0)3	232	310		512	6(0)2	7(0)2	822
(0)49	(1)23	222	313		513	6(0)3	7(0)3	823
		241	318		514	6(0)4	7(0)4	871
		231	319			6(1)0	2344	872
		240	320		522	16(0)0	2347	874
		230	322		523	617	2349	893
		249	323		524	618		894
		239	329			619	5600	
		248	330		532	637		
		238	331		533			
		202	332		534			
		203						
		204	3500		542			
			3700		543			
		294	3800		544			
		293						
		292						

Table 1 (Continued)

911	N10	NUP(0)2	UC2	QJ10
912	N(0)2	NUP22	UC3	QJ18
913	N22	NUP(0)3		QJ19
914	N(0)3	NUP23	UEL2	QJ29
	N23		UEL3	QJ39
991	N(0)4	NF(0)2		QJ2
992		NF(0)3	UK2	QJ3
993	NU10	NF23	UK3	
994	NU(0)2			QJF10
995	NU22	NN30		QJF18
	NU(0)3	NNU49		QJF19
922	NU23			QJF29
923				QJF39
924	NJ(0)4			QJF2
	NJ(0)2			QJF3
	NJ22			
	NJ(0)3			
	NJ23			
	NJ(0)4			

Code of bearing type

0- Double-row angular contact ball bearing
1- Self-aligning ball bearing
2- Self-aligning roller bearing and self-aligning thrust roller bearing
3- Tapered roller bearing
4- Double-row deep groove ball bearing
5- Thrust ball bearing
6- Deep groove ball bearing
7- Angular contact ball bearing
8- Cylindrical roller thrust bearing
9- Tapered roller thrust bearing
N- Cylindrical roller bearing

The letters followed"N", such as NJ, NU, NUP, stand for types of the bearings.

NN stands for double-row or multi-row cylindrical roller bearing.

NA or NK usually stands for needle roller bearings.

U- Spherical outside surface ball bearing
QJ- Four-point contact ball bearing

Table 2 Bearing series code

Table 2 Bearing series code

Bearing type	Bearing series code	Type code	Dimension series code
Single-row deep groove ball bearing	618 619 160 60 62 63 64	6 6 6 6 6 6 6	18 19 (0)0 (1)0 (0)2 (0)3 (0)4
Double-row deep groove ball bearing (with filling slot)	42 43	4 4	(2)2 (2)3
Single-row angular contact ball bearing	719 70 72 73 74	7 7 7 7 7	19 (1)0 (0)2 (0)3 (0)4
Double-row angular contact ball bearing (with filling slot)	32 33	(0) (0)	32 33
Four-point contact ball bearing	QJ2 QJ3	QJ1	(0)2 (0)3
Self-aligning ball bearing	12 22 13 23	1 (1) 1 (1)	(0)2 22 (0) 23
Single-row cylindrical roller bearing	NU10 NU2 NU22 NU32 NU3 NU23 NU4	NU NU NU NU NU NU NU	10 (0)2 22 32 (0)3 23 (0)4
Tapered roller bearing	329 320 330 331 302	3 3 3 3 3	29 20 30 31 02

Table 2 (continue)

Bearing type	Bearing series code	Type code	Dimension series code
Tapered roller bearing	322	3	22
	332	3	32
	303	3	03
	313	3	13
	323	3	23
Self-aligning roller thrust bearing	239	2	39
	230	2	30
	240	2	40
	231	2	31
	241	2	41
	222	2	22
	232	2	32
	213	2	03
	223	2	23
Single-direction flat housing washer thrust ball bearing	511	5	11
	512	5	12
	513	5	13
	514	5	14
Single-direction aligning housing washer thrust ball bearing	532	5	32
	533	5	33
	534	5	34
Double-direction flat housing washer thrust ball bearing	522	5	22
	523	5	23
	524	5	24
Double-direction aligning housing washer thrust ball bearing	542	5	42
	543	5	43
	544	5	44
Thrust cylindrical roller bearing	292	2	92
	293	2	93
	294	2	94

Note:

1. Width series code showed in bracket will be defaulted in bearing series code.
2. Cylindrical roller bearing includes NJ, NUP, N, NF and NH type besides NU type.

Non-standard bearings

The basic code of non-standard bearings consists of two parts. One is bearing type code and the other is bearing dimension code.

Type code

Reference to present **WSW** standards.

Dimension code

Defined as following two methods

1. Dimension series number

a) Standard inner diameter and non-standard outside diameter or width (height)

The non-standard outside diameter or width (height) should be indicated by a letter following basic bearing code of a bearing, which has a most similar diameter series or width (height series) with this non-standard bearing. This bearing can be determined through comparing the standard OD dimension or width (height) dimension, or following the extensive rule of the standard boundary dimension. Please refer to Table 3.

Table 3

Letter	Meaning
X1	Non-standard outside diameter
X2	Non-standard width (height)
X3	Non-standard outside diameter and width (height)
	(Standard inner diameter)

b) Non-standard bore diameter, outside diameter and width

The non-standard bore diameter, outside diameter and width (height) should be indicated by indefinite series code because the comparison with standard dimension or, extensive rule of the standard boundary dimension is not available.

Please refer to Table 4 for the indefinite series code of **WSW** bearings.

Table 4

Type of bearing	Basic bearing code
Double-row angular contact ball bearing	4600
Aligning ball bearing	1600
Aligning roller bearing	20600
Tapered roller bearing	30600
Double-row tapered roller bearing with a double-raceway cup	350600
Double-row tapered roller bearing with a double-raceway cone	370600
Four-row tapered roller bearing	380600
Double-row deep groove ball bearing	40600
Thrust ball bearing	51700
Double-direction ball thrust bearing	52700
Deep groove ball bearing	6600
Angular contact ball bearing	7600
Four-point contact ball bearing (double half inner ring)	QJ600
Four-point contact ball bearing (double half outer ring)	QJF600
Angular contact ball thrust bearing	561700

Type of bearing	Basic bearing code
Double-direction angular contact ball thrust bearing	232700
Cylindrical roller thrust bearing	81700
Double-direction cylindrical roller thrust bearing	82700
Tapered roller thrust bearing	91700
Double-direction tapered roller thrust bearing	92700
Cylindrical roller bearing	N600、NU600、NJ600、NF600 NUP600 、NN600、NNU600
Self-aligning roller thrust bearing	21700

Note: "00" stands for any proper inner diameter code of bearing.

2. Non-standard bearing notated by inner diameter code
Please refer to Table 5 for inner diameter code notation for non-standard bearings.

Table 5

Inner diameter	Indication method
Standard dimension	Reference to present standard.
Non- standard dimension	Inner diameter is indicated by the quotient, divided by 5 if this diameter is smaller than 500mm and can be divided by 5. Other inner diameter is indicated with the actual bore diameter value (mm) or additive letter. When the bore diameter value (mm) is integer or with one place of decimal, it can be indicated with this dimension directly, but be separated from the dimension series code with"/". When the actual bore diameter value (mm) is with two or more places of decimals, the dimension is indicated with the integral part and followed by X4. For example, NCF6/27X4V, it indicates the cylindrical roller bearing, indefinite series, with the bore diameter of 27.762 and full filling with rollers.

Example 1:
66/6.4 deep groove ball bearing, indefinite series, bore diameter is 6.4mm.
Example 2:
61936X1M deep groove ball bearing, non-standard outside diameter, close to diameterseries 9.
Example 3:
62/14.5 deep groove ball bearing, dimension series 02, bore diameter is 14.5mm.
Example 4:
52706 double-direction ball thrust bearing, indefinite series, bore diameter is 30mm.

When the code names several non-standard bearings of same type but slight difference in dimension, the code are distinguished by adding "—"and seriate number 1, 2, 3□ 61956X1M·
For example, 61956X1M
61956X1M-1
61956X1M-2

Illustration to the change of dimensions and structures

The suffix YA plus number indicates all technical changes. Please refer to the suffix illustration for details.
If one type of bearing has two changes on its structure, the bearing is indicated with YA plus two digitals. For example, /YA12, it indicates the surface of outer ring and inner bore of inner ring vary from the standard design. The specific change can be referenced to the product catalogue or the supplemented technical requirements.
If one type of bearing has two or more changes on its structure at the same time, the bearing is indicated with YAD.

The specification to the change of the technical requirements

The suffix YB appended with digitals indicates all variations of technical requirements. See more details to the specification of bearing suffix.
If one type of bearing has two changes on the technical requirements simultaneously, the bearing is indicated with YB appended with two digitals. For example, /YB12, see the specific change to the product catalogue or supplemented technical requirements.
If one type of bearing has two or more changes on its technical requirements, the bearing is indicated with /YBD.
If one type of bearing has changes both on the structure and the technical requirements simultaneously, the bearing is indicated with /YAB.

Note:
If the bearing suffix has Y and another letter or the appended number, it is suggested to reference the product catalogue or the supplemented technical requirements, in order to know the specific change.

Bearing and the prefix of bearing

Code	Meaning
B	Angular contact ball bearing with locking slot on inner ring
F	If "F"added before the bearing series code of the inch tapered roller bearing, it indicates the cage of bearing.
FC	Four-row cylindrical roller bearing with double cups and single cone without rib
FCD	Four-row cylindrical roller bearing with double cups and double cones without rib
FCPD	Four-row cylindrical roller bearing with double cups and double cones without rib. The cup has central rib without loose rib.
GAC	Thrust plain bearing
GE···ES	Plain radial bearing
GET···CXS	Self-aligning plain radial bearing, special series, and inner ring merged with bronze alloy, double gapped axially.
GET···CHS	Self-aligning plain radial bearing, special series, and inner ring merged with bronze alloy, double half outer ring.
GET···FHS	Self-aligning plain radial bearing, special series, outer ring special self-lubricated material, double half outer ring.
GS	Housing washer cylindrical roller thrust bearing.
IR-	Inner ring of radial bearing
IW-	Shaft washer of thrust bearing
K	Rolling element and cage assembly
K1	2. The rings and rolling elements or only the rings of Inch tapered roller bearing are made from high carbon chromium bearing steel.
K2	The rings and rolling elements or only the rings of Inch tapered roller bearing are made from 100CrMo7.
	The rings and rolling elements or only the rings of Inch tapered roller bearing are made from ZGCr15.
KIW-	Thrust bearing without housing washer
KOW-	Thrust bearing without shaft washer
L	Separable inner ring or outer ring of the separable bearing

Code	Meaning
N	Cylindrical roller bearing, inner ring with double ribs, outer ring without rib.
NA	1. Needle roller bearing 2. Timken Double-row cylindrical roller bearing with extended cone, and without central spacer.
NB	Cylindrical roller bearing without rib.
NBCL	Cylindrical roller bearing, outer ring without rib but with double snap rings, inner ring without rib.
NCF	NF+ snap ring
NCL	Cylindrical roller bearing, outer ring without rib but with double snap rings, inner ring with double ribs.
NF	Cylindrical roller bearing, inner ring with double ribs, outer ring with a rib.
NFP	Cylindrical roller bearing, inner ring with double ribs, outer ring with a rib and a loose rib.
NJ	Cylindrical roller bearing, outer ring with double ribs, inner ring with a rib.
NJP	Cylindrical roller bearing, outer ring with double ribs, inner ring without rib but with a loose rib.
NN	Double-row cylindrical roller bearing, inner ring with three ribs, outer ring without rib.
NNB	Double-row cylindrical roller bearing, both inner ring and outer ring without rib.
NNCL	Double-row cylindrical roller bearing, inner ring with three ribs, outer ring without rib but with a central spacer.
NNCF	Double-row cylindrical roller bearing, inner ring with three ribs, outer ring with a rib and a snap ring on the other side.
NND	Double-row cylindrical roller bearing, single inner ring, double outer rings with double ribs.
NNF	Double-row cylindrical roller bearing, double inner rings, single outer ring with a central ribs and no rib on both sides.

Bearing and the prefix of bearing

Code	Meaning
NNFP	Double-row cylindrical roller bearing, single inner ring, with loose ring on two sides, single outer ring with a central rib and no rib on both sides.
NNJ	Double-row cylindrical roller bearing, outer ring with three ribs, inner ring with a rib.
NNP	Double-row cylindrical roller bearing, inner ring with no rib, outer ring with a central rib and loose ribs on both faces.
FC···ZW	Four-row cylindrical roller bearing, single inner ring, double outer rings with double ribs, two rows of rollers close to each other.
NNU	Double-row cylindrical roller bearing, outer ring with three ribs, inner ring with no ribs.
NU	Cylindrical roller bearing, outer ring with double ribs, inner ring without rib.
NUCL	Cylindrical roller bearing, inner ring without ribs but with double snap rings.
NUP	Cylindrical roller bearing, outer ring with double ribs, inner ring with a rib and a loose rib.
NUTR	Cylindrical roller bearing, full components, with a loose rib.
-1,-2...	Indicates series of non-standard X1, X2, YA2...
A	1.Angular contact ball bearings with nominal contact angle of a=30° 2.Tapered roller bearings with contact angle and outer ring raceway diameter D1 not conforming to national standards, and use A, A1, A2... to indicate when more than two non-national-standard a or D1 occurred in a code.
AC	Angular contact ball bearings with nominal contact angle of a=25°
ACA	Aligning roller bearings with central rib and not paralleled rollers.
A6	Inched tapered roller bearings with mounting chamfer not conforming to that of TIMKEN, and use A61, A62... to indicate when more than two non-national-standard mounting chamfer occurred in a code.
B	1. Angular contact ball bearings with nominal contact angle of a=40° 2. Tapered roller bearings with bigger contact angle 3. Inner ring guided

Code	Meaning
C	1.Angular contact ball bearings with nominal contact angle of a=15° 2.Aligning roller bearings with central rib, paralleled rollers and pressed cage, inner ring without rib 3.Matched tapered roller bearings, mean value of axial clearance added directly after C if not conforming to ZWZ standards.
CA	Aligning roller bearings with central rib, paralleled rollers and brass solid cage, inner ring without rib
/CM	Clearance of deep groove ball bearings for motors
/CN	0 group clearance. /CN combined with H, M or L indicates half of the clearance, combined with P indicates clearance shifting. For example: /CNH indicates half of 0 group clearance at the upper part /CNM indicates half of 0 group clearance at the middle part /CNL indicates half of 0 group clearance at the lower part /CNP indicates the upper part of 0 group clearance and the lower part of C3 group.
/C1	Clearance conforms to the standard group 1.
NNTR	Double-row cylindrical roller bearing, full components.
OR-	Outer ring of radial bearing.
OW-	Housing washer of thrust bearing.
QJ	Four-point contact ball bearing, double half inner rings.
QJF	Four-point contact bearing, double half outer rings.
R	1. Bearing without inseparable inner ring or outer ring. 2. If "R" added before bearing series code in Inch tapered roller bearing, it indicates tapered rollers.
RN	N type cylindrical roller bearing without outer ring.
RNU	NU type cylindrical roller bearing without inner ring.
S	Separable angular contact ball bearing.
T	1. Tapered roller bearing, the boundary dimension complying with GB273.1 appendix A. For example, T 2ED 020 T- tapered roller bearing 2- angle series code (reference to GB273.1 appendix B) ED- series code (reference to GB273.1 appendix B) 020- inner ring 20mm
TTSX	2. Timken tapered roller thrust bearing Full component tapered roller bearings with convex spherical shaft washer used on screw down mill mechanism.
U	Aligning seat washer
UC	Spherical outside surface ball bearing with set screw.
WS	Shaft washer of cylindrical roller thrust bearing.

Postposition Code

Code	Meaning
/C2	Clearance conforms to the standard group 2.
/C3	Clearance conforms to the standard group 3.
/C4	Clearance conforms to the standard group 4.
/C5	Clearance conforms to the standard group 5. Letter H, M, L or P can follow directly after the clearance code, it indicates the clearance scope decreased in half or deviated, see explanation of /CN. But P must be added after the lower clearance grade. For example, /C3P clearance scope lies in the upper part of C3 and the lower part of C4.
/C9	Bearing clearance not conforms to the present standard. When two or more clearances in one code are different from present standard, it will be indicated with the added digitals, such as C91, C92 ···
/CR	When matched tapered roller bearings have the radial clearance, the mean value of clearance will be added after CR.
D	1. Double-row angular contact ball bearing, double inner rings, contact angle $\alpha=45°$. 2. Double row tapered roller bearing, no inner spacer or outer spacer, un-grinded end face. 3. Inch tapered roller bearing, inner ring with double raceways or outer ring with double raceways. 4. Split bearing.
/DB	Two single-row deep groove ball bearings or angular contact ball bearings or tapered roller bearings used for back-to-back paired mounting.
/DC	Double-row angular contact ball bearing with double outer rings.
/DF	Two single deep groove ball bearings or angular contact ball bearings or tapered roller bearings used for face-to-face paired mounting.
DH	Single direction thrust bearing with two housing washers.
DS	Single direction thrust bearing with two shaft washers.
/DT	Two single deep groove ball bearings or angular contact ball bearings or tapered roller bearings used for the same direction tandem paired mounting.
D1	Double row tapered roller bearing, without inner spacer, end face grinded .

Code	Meaning
E	Inside design is changed, belonging to reinforced type.
F	The material of steel, nodular cast iron or power metallurgical solid cage are indicated with added digitals. F1- carbon steel F2- graphite steel F3- nodular cast iron F4- powder metallurgy FA- steel, nodular cast iron or power metallurgical solid cage, outer ring guided. FAB- steel, nodular cast iron or power metallurgical solid cage, inner ring guided. FE-phosphated steel solid cage.
/HA	Ring, rolling elements and cage or only the ring and rolling elements are made from vacuum smelted bearing steel.
/HC	Ring and rolling elements or only ring or rolling elements are made from case hardened steel (/HC-20Cr2Ni4A; /HC1-20Cr2Mn2MoA; /HC2-15Mn).
/HE	Ring, rolling elements and cage or only the ring and rolling elements are made from electroslag remelting bearing steel (military first grade steel) ZGCr15.
/HG	Ring and rolling elements or only ring are made from other bearing steel (/HG-5GrMnMo; /HG1-55SiMoVA; /HG2-GCr18Mo; /HG3-42CrMo).
/HN	Ring and rolling elements are made from the heat resisting steel (/HN-GCr4Mo4V; /HN1-Cr14Mo4; /HN2-Cr15Mo4V; /HN3-W18Cr4V).
/HP	Ring and rolling elements are made from beryllium bronze or other anti-magnetic material. When the material changed, it is indicated with the added digitals.
/HQ	Ring and rolling elements are made from the unusual materials (/HQ-plastic; /HQ1-ceramic alloy)
/HU	Ring, rolling elements and cage or only the ring and rolling elements are made from the unhardened stainless steel 1Cr18Ni9Ti.
/HV	Ring, rolling elements and cage or only the ring and rolling elements are made from the unhardened stainless steel (/HV-9Cr18; /HV1-9Cr18Mo).
J	Pressed steel cage. When the material changed, it is indicated with the added digitals.
JA	Pressed steel cage, outer ring guided.

Postposition Code

Code	Meaning
JE	Phophated pressed unhardened steel cage.
JR	Cage is riveted with two unhardened steel sheets.
JW	Cage is welded with unhardened steel sheet.
K	Tapered bore bearing. Conicity is 1: 12
K30	Tapered bore beraing. Conicity is 1: 30
L	Light alloy solid cage. When the material of cage is changed, it is indicated with the appended digitals.
L3	Zinky aluminum alloy ZznA127Cu2
LA	Light alloy solid cage, outer ring guided.
LB	Light alloy solid cage, inner ring guided.
M	Brass solid cage
MA	Brass solid cage, outer ring guided.
MB	Brass solid cage, inner ring guided.
N	Bearing with snap groove on outer ring.
NB	Bearing with narrow inner ring.
NB1	Bearing with narrow inner ring, one narrow side.
NR	Bearing with snap groove and a snap ring on outer ring.
N1	Bearing with a positioning notch on outer ring.
N2	Bearing with two or more symmetrical positioning notches on outer ring.
N4	N+N2 Positioning notch and snap groove is not on the same side.
N6	N+N2 Positioning notch and snap groove is on the same side.
/P0	Tolerance grade conforms to standard P0, code is omitted.
/P6	Tolerance grade conforms to standard P6.

Code	Meaning
/P6X	Tolerance grade conforms to standard P6X.
/P5	Tolerance grade conforms to standard P5.
/P4	Tolerance grade conforms to standard P4.
/P2	Tolerance grade conforms to standard P2.
Q	Bronze solid cage, indicated with appended digitals, means different material. Q1- aluminum iron manganese bronze. Q2- silicon iron zinc bronze. Q3- silicon nickel bronze. Q4- aluminum bronze. Q5- stannum bronze (ZQSn10-1)
/QB	Four sets of bearings in pair tandem matched and back-to-back mounting.
/QF	Four sets of bearings in pair tandem matched and face-to-face mounting.
/QT	Four sets of bearings in tandem mounting.
/QBT	Four sets of bearings, three in tandem and one in back-to-back mounting.
/QFT	Four sets of bearings, three in tandem and one in face-to-face mounting.
/QR	Four deep groove ball bearings or cylindrical roller bearings combined, radial load distributed equally.
R	Bearing with snap rib on outer ring (convex outer ring)
-RS	Bearing with frame system rubber seal ring on one side (contact system)
-RS1	Bearing with frame system rubber seal ring on one side (contact system), the material of seal ring is sulfureted rubber.
-RS2	Bearing with frame system rubber seal ring on one side (contact system), the material of seal ring is fluoride rubber.
-2RS	Bearing with RS seal on both sides.
-2RS1	Bearing with RS1 seal on both sides.
-2RS2	Bearing with RS2 seal on both sides.

Postposition Code

Code	Meaning
-RSN -RS1N -RS2N	RS+N Seal on the opposite side of snap groove. RS1+N RS2+N
-RSNR -RS1NR -RS2NR	RS+NR Seal on the opposite side of snap ring. RS1+NR NS2+NR
-RSNB -RS1NB -RS2NB	RS+N Seal on the same side of snap groove. RS1+N RS2+N
-RSNBR -RS1NBR -RS2NBR	RS+NR Seal on the same side of snap ring. RS1+NR RS2+NR
-2RSN -2RS1N -2RS2N	2RS+N 2RS1+N 2RS2+N
-2RSNR -2RS1NR -2RS2NR	2RS+NR 2RS1+NR 2RS2+NR
-RSZ -RS1Z -RS2Z	Bearing with frame system rubber seal ring on one side (contact system) and with shield on the other. RS+Z RS1+Z TS2+Z
-RSZN -RS1ZN -RS2ZN	RS+Z+N Seal on the opposite side of snap groove.
-RSZNR -RS1ZNR -RS2ZNR	RS+Z+NR Seal on the opposite side of snap ring.
-RSZNB -RS1ZNB -RS2ZNB	RS+Z+N Seal on the same side of snap groove.
-RSZNBR	RS+Z+NR Seal on the same side of snap ring.

Code	Meaning
-RS1ZNBR -RS2ZNBR	RS1+Z+NR NS2+Z+NR
-RZ	Bearing with frame system rubber seal ring (non-contact system)
-2RZ	Bearing with RZ seal on both sides.
/SP	Super precision grade, dimension tolerance equals to P5, rotating precision equals to P4.
/S0	Bearing ring tempered in high temperature, up to 150℃.
/S1	Bearing ring tempered in high temperature, up to 200*.
/S2	Bearing ring tempered in high temperature, up to 250*.
/S3	Bearing ring tempered in high temperature, up to 300*.
/S4	Bearing ring tempered in high temperature, up to 350*.
SC	Radial bearing with outer cover.
SC-Z	Radial bearing with outer cover and shield.
T	1. When the assemldy width of matched pair tapered roller bearing doesn't conform to the standard specification, the assemdly width will be added directly after T. 2. Solid cage with phenolic coat
/T	If the starting torque of bearing has special requirements, digitals added after indicates the starting torque.
/RT	If the rotating torque of bearing has special requirements, digitals added after indicates the rotating torque.
TA	Solid cage with phenolic coat, outer ring guided.
TB	Solid cage with phenolic coat, inner ring guided.
/TBT	Three sets of bearings in tandem and back to back mounting.
/TFT	Three sets of bearings in tandem and face to face mounting.
TH	Glass fiber reinforced phenolic cage

Postposition Code

Code	Meaning
TN	Engineering plastic cage TN1- nylon TN2-polyamide (PA) TN3-polyimide TN4- polycarbonate TN5- paraformaldehyde
/TT	Three sets of bearings in tandem mounting.
U	Thrust ball bearing with spherical seat washer.
/UP	Super precision grade, dimension tolerance equals to P4, rotating precision is higher than P4.
V	Full filling with rolling elements (no cage)
/V	Bearing vibrating speed group . The appended digitals indicates different groups. V1- vibrating speed group conforms to standard V1 group. V2- vibrating speed group conforms to standard V2 group. V3- vibrating speed group conforms to standard V3 group.
WB	Bearing with wide inner ring (Both sides)
WB1	Bearing with wide inner ring (One side)
WC	Bearing with wide outer ring.
/W20	Bearing with three lubricating oil holes on outer ring (no oil slot)
/W20A	Bearing with four lubricating oil holes on outer ring (no oil slot)
/W20C	Bearing with six lubricating oil holes on outer ring (no oil slot)
/W20T	Bearing with eight lubricating oil holes on outer ring (no oil slot)
/W23	Bearing with three lubricating oil holes on inner ring (no oil slot)
/W26	Bearing with six lubricating oil holes on inner ring.
/W33	Bearing with oil slot and three lubricating oil holes on outer ring.
/W33A	Bearing with oil slot and four lubricating oil holes on outer ring.
/W33X	Bearing with oil slot and six lubricating oil holes on outer ring.

Code	Meaning
/W513	W26+W33
/W518	W20+W26
/W512	W23+W33
/WN33	Bearing with oil grooves and three lubricating oil holes on inner ring.
X	Cylindrical roller bearing, full components with loose rib.
X1	Non-standard outside diameter.
X2	Non-standard width (height).
X3	Non-standard outside diameter, width (height) (standard bore diameter)
-XRS	Four-row tapered roller bearing, with several sealed parts. (two at least)
/Y	Bearing with wide inner ring (both sides)
	Y combines with another letter (such as YA, YB) or more digitals to identify the change of the non-series which can not be indicated with the present suffix code. YA- structure change YA1- outside surface of outer ring has is different from standard design. YA2- bore of inner ring is different from standard design. YA3- end face of bearing ring is different from standard design. YA4- raceway of bearing ring is different from standard design. YA5- bearing rolling elements is different from standard design. YAB- structure and technical specification changes simultaneously. YAD- one type of bearing has two or more changes on structure. YB- technical specification has changes. YB1- surface of bearing rings has coating. YB2- bearing dimension and tolerance has change. YB3- surface roughness of bearing ring has change. YB4- heat treatment (e.g. hardness) has change. YB5- structure and position tolerance have special requirements. YBD- one type of bearing has two or more changes on technical specification.
ZH	Thrust bearing with shielded seat washer.
ZS	Thrust bearing with shielded shaft washer.
-Z	Bearing with shield on one side.
-2Z	Bearing with shields on both sides.

Postposition Code

Code	Meaning
-ZN	Z+N: Shield is on the opposite side of the snap groove.
-ZNR	Z+NR: Shield is on the opposite side of the snap groove and the snap ring
-ZNB	Z+NB: Shield is on the same side of the snap groove.
-ZNBR	Z+NR: Shield is on the same side of the snap groove and the snap ring.
-2ZN -2ZNR	2Z+N: Bearing with shields on both sides, outer ring with snap groove. 2Z+NR: Bearing with shields on both sides, outer ring with snap groove and snap ring.
ZW	Assembly double-row needle rollers and cage .
/Z	Bearing vibrating acceleration rating group. The appended digital indicates different groups. Z1- vibrating acceleration rating group conforms to standard Z1 group. Z2- vibrating acceleration rating group conforms to standard Z2 group. Z3- vibrating acceleration rating group conforms to standard Z3 group.

Selection of Bearings

The variety in kinds, types and dimensions of bearings makes the most selection appropriate very important in order to achieve expected functions of the mechanical devices.

Analyses and evaluations from different viewpoints on the factors are to be considered in order to choose the bearings. There are no special regulations on such selection procedures, but the steps below are to be followed:
Understand the work conditions of the mechanical device and the bearings.

Understand the requirements on the bearing.
Choose the types of the bearing.
Choose the configuration of the bearing
Choose the dimensions of the bearing.
Choose the specifications of the bearing
Choose the mounting method for the bearing

The application conditions and enviroments conditions of the bearings

Correct definitions of the application position in the mechanical device and the application conditions and enviroments are the pre-conditions of choosing a proper bearing. For this purpose, the following figures and data are required:

The functions and structures of the mechanical device.
The application position
Loads (and directions);
Rotating speed.
Vibration and impact.
Temperature of the bearing (ambient and temperature riseing).
Surrounding ambience (corrosion, cleanness, lubrication).

The Selection of Bearing Type

Items of Analyses	Methods of choice	
Mounting space	Those can be put in the mounting space	Determine the inner diameter of the bearing first or the rigidlty and srventhe are considered important in design. Choose the most appropnate roller bearing through various dimension series and types.
Load	Strength, direction and nature of the load [the loading capacity is indicated by basic load rating and the value is provided in bearing dimension tables]	The load is subjected to changes, such as the amount of the load, radial or axial load , whether single or double direction, the degree of vibration or impact etc., These factors must be considered before choosing the most appropriate bearing type. Normally, the radial load carrying capacity of the bearings with the same ID are listed in the following order: [deep groove ball bearings < angular contact ball bearings < cylindrical roller bearings < tapered roller bearings < spherical roller bearings]
Rotating speed	Those are suitable for mechanical rotations. [The limit value of the rotating speed is indicated by limit speed (rpm) and the value is are provided in the bearing dimension tables.]	The limit speed of the bearing rests with not only the bearings type but also bearing dimensions, cage type, precision, load carrying conditions, and lubrication methods. These factors must be considered for the choice. The following bearings are applied for high speed rotation: [deep groove bearings, angular contact ball bearings, cylindrical roller bearings]
Rotating precision	Those can satisfy the required rotation precision. [The dimension and rotation precision have been standardized by GB according to bearing types.]	Machine tool spindles, gas turbines and control machines require high rotation precision, high speed and low friction. Bearings with precision 5 or over should be applied in this cases. Normally the following bearings are applied: [deep groove ball bearings, angular contact ball bearings, cylindrical roller bearings]

Items of Analyses		Methods of choice
Rigidity	Those can satisfy the rigidity of mechanical shaft system. [When carrying loads, the contact surface between the rolling elements and the raceways may occure elastic deformation. "high rigidity" means smaller elastic deformation.]	In machine tool spindles and final deceleration device of automobiles and other applications, the rigidity of the bearing must be increased when the rigidity of the shaft is increased. The deformation of roller bearings when carrying load is smaller than that of the ball bearings. Rigidity can be increased by applying pre-load (negative clearance). This method is suitable for angular contact ball bearings and tapered roller bearings.
The relative leaning of the inner ring and the outer ring	Reasons to the relative leaning of the inner ring and the outer ring must be analyzed (such loading induced shaft deflection, poor precision or mounting errorsof the shaft and housing). And the bearings fit these conditions should be chosen.[The permissible sloping angle is indicated in the notes before bearing dimensions tables].	If the relative leaning between the inner ring and outer ring is too big, the inside load thereof shall do harm to the bearings. So bearing types that can carry this leaning should be chosen. Normally, the allowable sloping angle increased with the following order: [cylindrical roller bearings, tapered roller bearing, deep groove ball bearings (angular contact ball bearings), thrust ball (spherical roller) bearings]
Mounting and dismounting	Check the frequency and methods of bearings mounting and dismounting regularly.	It is comparatively convenient to choose cylindrical rolller bearings, needle roller bearings and tapered roller bearings with separable inner ring and outer ring if to much mownting and dismountings requiresed.

The selection of bearing Collocation

Normally, the shaft is supported by two bearings in radial and axial direction. Then, one of the bearings is called the fixing-end bearing which carries load in radial and axial direction. And controls the comparative axial movement between the shaft and the bearing. The other one is called free-end bearing that only carries radial load and comparatively moves in the axial direction in order to solve problems of shaft expansion caused by temperature changed and clearance errors when mounting.

Bearings on the fixing-end should avoid arial movement. Bearings on the free-end should move axially on the sldins surface (such as cylindrical roller bearings).or move on the mowntlrg surface (such as radial ball bearings). On the comparatively short shaft, if there is no difference between the fixing-end and the free-end bearings applied shall only move in the axial direction (such as radial thrust ball beairngs).

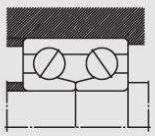
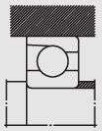
Bearings on the fixing end and the free end

	Content	Applicable bearing types
Bearings on the fixing end	Position and fix the bearing in the axial direction Choose bearings that can carry both the radial and the axial load In order to carry double-direction axial load, strength must be considered according to the amount of the axial load while mounting	Deep groove ball bearings Combined angular contact ball bearings Self-aligning ball bearings Cylindrical roller bearings with flanges (NUP and NH types.) Double-row tapered roller bearings Spherical roller bearings
Bearings on the free end	To avoid the shaft expansion caused by the temperature when rotating changes and adjust the bearing position in the axial direction. Only the bearing with separable inner ring and outer ring that can carry radial load should be chosen. With non-separable bearings, there should be a clearance between the outer ring and the housing in order to adapt the bearing to the shaft expansion in the axial direction. Sometimes, the adaptation is achieved by the contact surface between the shaft and the inner ring.	Separable cylindrical roller bearings (NU or N type) Non-separable types Deep groove ball bearings Combined angular contact ball bearings (back-to-back arrangement) Double-row angular contact ball bearings Self-aligning ball bearings Double-row tapered roller bearings (3700 type) Spherical roller bearings

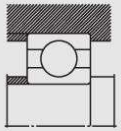
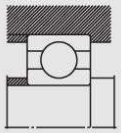
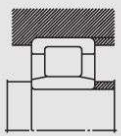
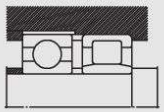
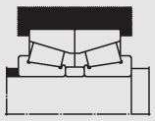
Bearings on the fixing end and the free end

	Content	Applicable bearing types
Regardless of fixing end or free end	When distance between two bearings is small, and effects of shaft expansion are not important, two angular contact ball bearings or tapered roller bearings that can carry axial load can be used together in face-to-face or back-to-back arrangement. Use screw nut or filling pieces to adjust the axial clearance after mounting.	Deep groove ball bearings Angular contact ball bearings Self-aligning ball bearings Cylindrical roller bearings (NJ and NF types) Tapered roller bearings Radial roller bearings
Vertical shaft	Bearings that can carry both radial and axial load should be chosen for the fixing end. If the axial load is too big, use the combination of thrust bearings and radial bearings. Similarly, only bearings that can carry radial load should be used to adapt the shaft expansion for the treeend	For fixing end Combined angular contact ball bearing (back-to-back arrangement) Double-row tapered roller bearings (37000 type) Combined thrust bearing and radial bearing arrangements

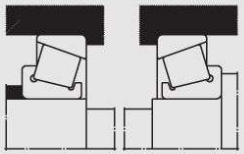
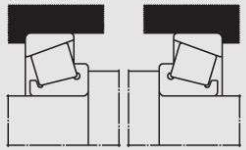
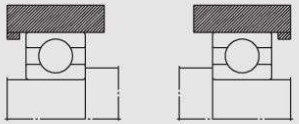
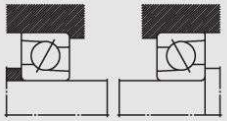
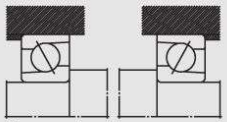
The Specification of Bearing Collocation

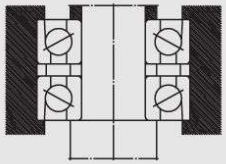
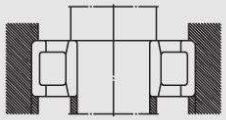
Bearing collocation		Application introduction	Application position
Fixing-end	Free-end		
		◇Suitable for carrying larger axial load in double directions ◇Use the combined angular contact ball bearings to replace double-row angular contact ball bearing in the fixing-end.	Worm and worm wheel Decelerator
		◇Suitable for the situation of mounting error and shaft deflection. ◇Not only carry large radial load, but also carry certain axial load.	Rolling mill Reductor of table roller Road wheel of bridge crane

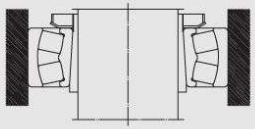
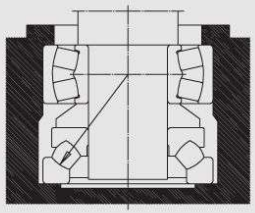
The Specification of Bearing Collocation

Bearing collocation		Application introduction	Application position
Fixing-end	Free-end		
		◇Widely used in the situation of high speed rotation and used widely ◇Not suitable for the situation that shaft deflection and bearing eccentricity might happen.	Medium-size motor Air-blower
		◇Suitable for the situation of high speed rotation, heavy axial or shock load. ◇Suitable for the interference fit of inner ring and outer ring because of separable bearings. ◇Not suitable for the situation of shaft deflection and bearing eccentricity.	Main electric motor of railway venides
		◇Suitable for the situation that the axial load is not very large. ◇Suitable for the interference fit of inner ring and outer ring	Calendar roll of papermaking Vehicle shaft of diesel locomotive
		◇Suitable for high speed rotation, large radial load with axial load. ◇In order to make deep groove ball bearings free from radial load, there is a gap between outer ring and housing.	Transmission of diesel locomotive
		◇Suitable for carrying large load or shock load ◇This application requires high rigidity on the fixing-end and bearings are mounted in back-to-back arrangement and preloaded ◇This application also requires to improve the precision of shaft and housing and reduce mounting error	Rolling mill Lathe spindle

The Specification of Bearing Collocation

Regardless of fixing-end or free-end	Application introduction	Application position
 back-to-back arrangement  face-to-face arrangement	◇Suitable for carrying large load or shock load ◇Suitable for improving the rigidity of shaft through preloading u Back to back arrangement is in order to carry torque. ◇Face-to-face arrangement is convenient to mount when inner ring requires interference fit. Suitable for the situation of mounting error ◇Pay attention to the adjustment when preload.	Decelerator Axle shaft of automobile
	◇Normally used in small-size mechanisms or for carrying small load ◇When applying preload, a spring or a shim, of adjusted thickness, can be used on one side of outer ring end face	Small size motor Small size decelerator Small size pump
 back-to-back arrangement  face-to-face arrangement	◇In order to improve the rigidity of shaft through preload. Widely used in the situation of high rotation speed and large axial load. ◇Back-to-back arrangement is fit for carrying torque. ◇When applying preload, a spring or a shim, of adjusted thickness, can be used on one side of outer ring end face	Machine tool spindle

Bearing collocation		Application introduction	Application position
Fixing-end	Free-end		
 		◇Use combined angular contact ball bearing on fixing end, and cylindrical bearing on free end. Suitable for high speed rotation.	Vertical motor Vertical pump

Vertical shaft	Application introduction	Application position
 	◇Suitable for low speed, heavy load and the axial load is greater than radial load. ◇Suitable for the situation that can generate shaft deflection and eccentricity.	Central shaft of crane Vertical pump

Selection of bearing dimensions

Life of bearing

When the bearing is carrying load, material fatigue shall happen even under normal operating conditions due to the effects of changing load on the raceways of rings and the sliding surface of the rolling elements, and it will cause scaling damage to the raceways and the sliding surface (called flaking of spalling).

The total number of revolutions before such scaling happens is called the (Fatigue) life of the bearing

The bearing (fatigue) life varies greatly even for those with the same structure, dimensions, materials and manufacturing processes under the same rotation conditions.

Because the material fatigue is of diversity, it must be considered statistically.

Suppose a number of bearings of the same specification are operated individually under the same working conditions. After a certain period of time, 10% of the fail as a result of flaking caused by rolling fatigue. In this case, the total number of revolutions is defined as the fatigue life rating.(Reliald life is 90%)

When the bearings rotate at constant speed, its life can also be expressed with total rotation time.

In fact, however, other damage or impair may happen besides fatigue scaling.

The damage of impair may be avoided by choosing the correct bearing, mounting and lubrication.

Basic dynamic load rating

Basic dynamic load rating indicates the fatigue resistant capacity (i.e. load carrying capacity). It shows that with pure radial load (for radial bearings), and with the presumption of running inner ring and motionless outer ring (or vice versa), the basic rating life can exceed 1 million rotations. The basic load rating for radial bearings and thrust bearing is called radial basic load rating respectively, indicated by Cr and Ca, whose values are provided in the bearing dimension tables.

Basic life rating

Formula (1) shows the relations among basic dynamic load rating, equivalent dynamic load rating and basic life rating.

When the rotation speed is constant, it is more convenient to express the life rating by time, as shown in formula (2).

In addition, for railway vehicles or automobiles, it is more common to use distance of movement (km) to express the life of relative bearings.

(Total rotation number) $$L_{10}=\left(\frac{C}{P}\right)^{P} \quad \cdots\cdots (1)$$

(Time) $$L_{10h}=\left(\frac{10^6}{60n}\right)^{P} \cdots\cdots (2)$$

(Distance of movement) $$L_{10s}=\pi D L_{10} \quad \cdots\cdots (3)$$

Where

L_{10} :basic life rating,10^6rotations

L_{10h} :basic life rating,h

L_{10s} : basic life rating,km

P : equivalent dynamic load rating, N{kgf}

C : basic dynamic load rating, N{kgf}

n : rotation speed, rpm

p : life index,

ball bearing ····· P=3

roller bearing ····· $P=\frac{10}{3}$

D : diameter of the wheel or tire, mm

Therefore, we assume the working conditions of the bearing are: equivalent dynamic load is P, rotation speed is n, and then the basic dynamic load rating that satisfies the design requirement of the bearing can be calculated with formula (4). From the dimension tables, we can select the bearing that can meet the requirement of value C, and then we can define the dimension of the bearing.

$$C=P\ (L_{10h}\times)\frac{60n}{10^6}^{\frac{1}{P}} \cdots\cdots (4)$$

We use life factor (fh) and speed factor (fn) and get the following formula:

$$L_{10h}=500 fh^{P} \cdots\cdots (5)$$

Life factor:

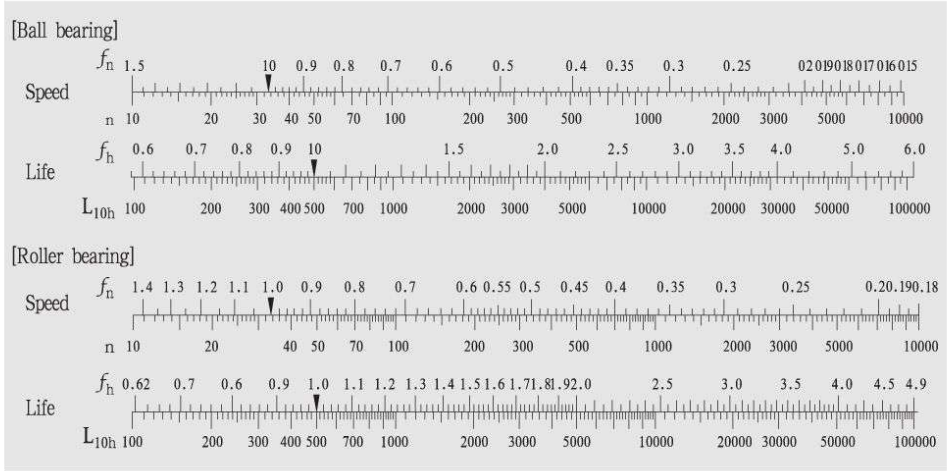
$$fh=fn\frac{C}{P} \cdots\cdots (6)$$

Speed factor:

$$fn=\left(\frac{10^6}{500\times 60n}\right)^{\frac{1}{P}}$$

$$=(0.03n)^{\frac{1}{P}} \cdots\cdots (7)$$

We can easily get fh, fn and L10h with the calculated figure [Reference figure].



Correction of basic dynamic load rating based on temperature and treatment on stability of bearing dimensions

When applied in high temperature, the internal microstructure of the material shall change and the hardness shall be decreased, while the basic dynamic load rating shall be smaller than that in normal temperature. And the changed microstructure of the material shall not recover even when the bearing is put back to the normal temperature again.

Therefore, under high temperature conditions, the basic dynamic load ratings must be multiplied by temperature factors listed in table 1 for correction purpose.

Table 1 Temperature factors

Working temperature ℃	125	150	175	200	250
Temperature factor (fT)	1	1	0.95	0.90	0.75

If the working temperature over 120° for a very long time, the dimensions for bearings with only normal heat treatment shall change greatly, measures must be taken to stabilize the dimensions.

The code names for these stabilization measures and the applicable temperature ranges are provided in Table 2. The hardness of the bearing, however, shall be reduced with the above treatment. Sometimes, the basic dynamic load rating will also decrease.

Table 2 Measures for dimensional stabilization

Code name	Relative temperature range
S_0	Over 100 to 150℃
S_1	Over 150 to 200℃
S_2	Over 200 to 250℃

Correction of life rating

Formula (1) shows the basic life rating (L10) of 90% reliability. Based on different applications, high-reliability life with reliability being over 90% will be required under come conditions.
In addition, special materials sometimes shall elongate the bearing life, even lubrication or differences in working conditions can have effects on bearing life. The bearing life after taking these factors into consideration is called the corrected life rating, which is calculated with formula (8)

$$L_{na} = a_1 a_2 a_3 L_{10} \quad \cdots\cdots (8)$$

Where ,

Lna: corrected life rating ,10^6 rotations

(i.e. the life with 100-n% reliability (n% loss rate) after taking the bearing features and operating conditions into consideration.)

L_{10}: basic life rating ,106 rotations (reliability of 90%)

a_1: Reliability factor ····· referring to (1)

a_2: Material factor ····· referring to (2)

a_3: Application condition factor ····· referring to (3)

[Remark] The rigidity of shaft and outer ring should be paid attention especially when choosing the bearing dimension according to the principle that reliability should exceed 90%.

(1) Reliability factor a1
When calculating the corrected life rating for those with reliability of greater than 90% (i.e.the loss if not greater than 10%), factor a1 in Table 3 should be employed.

Table 3 Reliability factor a1

Reliability,%	Lna	a_1
90	L_{10a}	1
95	L_{5a}	0.62
96	L_{4a}	0.53
97	L_{3a}	0.44
98	L_{2a}	0.33
99	L_{1a}	0.21

(2) Material factor a2
The bearing characteristics relate to service life may vary with the bearing materials (steel type,quality), manufacture processes and design. In these cases, the factor a_2^1 should be used for correction purpose.
If the material is vacuum degassed bearing steel of high quality or with quite minimum amount of inclusion , a2>1
For normal bearing material steel, a2=1.

(3) Application condition factor a3
This factor a3 is used for correction purpose when the bearings are applied in conditions (especially lubrication) that shall affect the service life of the bearings.

We can let a3 =1 under normal lubricating conditions and let a3 >1 if the conditions are excellent.

Under the following circumstances, let a3 <1:

- If the kinematic viscosity of the lubricant decreases during the working time of the bearing:

  Ball bearings

  ····· less than $13mm^2/s${13cSt}

  Roller bearings

  ····· less than $20mm^2/s${20cSt}

- When the rotational speed is extremely low, the product of the pitch diameter of the rolling elements and the rotational speed is less than 10000.
- When the lubricant has inner ring and outer ring is very big.

[Note] When the hardness decreases under high temperature circumstance circumstances, the basic dynamic load rating must be corrected (see Table 1)

Bearing life required by the mechanical device

The requirement for bearing life must b reasonably defined. If the requirement is to high, the dimensions must be too big and th machine must be too heavy that lead to th diseconomy of the machine. If the requiremer is too low, however, the bearing must b replaced very often. Normally, the bearing lif may be defined according to the period c overhaul. The recommended life values fc various bearings are provided in Table 4.

Table 4 required bearing life

Application conditions	Machines	Time (h)
Running for short time or discontinuously	Household electronic appliances, electrical tools, agricultural machines, winding engines	4000-8000
Not usually used but running with high reliability	Air conditioner motors, construction, machines, belt machines, elevators	8000-12000
Used discontinuously but running for long time periods	Mill roll necks, small motors, cranes	8000-12000
	General industrial motors, general gear devices	12000-20000
	Machine tools, vibration screens, pulverizers	20000-30000
	Compressors, pumps, important gear devices	40000-60000
Normally running over 8 hours daily or continuous ly for long time periods	Automatic elevators	12000-20000
	Centrifugal machines, air-conditioning equipment, air-blowers, wood processing machines, shafts for railway vehicles	20000-30000
	Large motors, mining elevators, main motors for railway vehicles, locomotives	40000-60000
	Paper-making machines	100000-200000
24-hour continuous running without stoppage	Running water equipment, power station equipment, mining drainage works	100000-200000

Equivalent dynamic load

Bearings usually carry the combination of radial load and axial load, and the load conditions are varied, such as the changes in the amount and so on.
Therefore, the actual load can not be directly compared with its dynamic load rating.
In this case, it is necessary to convert the actual load into a perceived load with definite amount and direction that passes the bearing center. The bearing with this perceived load shall have the same life as with actual load and the same rotational speed.
This perceived load after conversion is called the equivalent dynamic load, indicated by P.

The calculation of equivalent dynamic load

The equivalent dynamic load of the radial bearings an thrust bearings ($\alpha=90^\circ$ can be calculated with formula below:

$$P=XF_r+YF_a \quad \cdots\cdots (9)$$

Where,
P: equivalent dynamic load, n {kgf}

For radial bearings, it is expressed as Pr: radial dynamic load
For thrust bearings, it is expressed as Pa: axial dynamic load

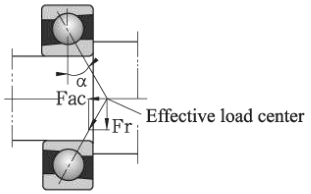
Fr : radial load, N {kgf}
Fa : axial load, N {kgf}
X : radial load factor
Y : axial load factor
(Load factors X and Y are given in the baring dimension tables.)

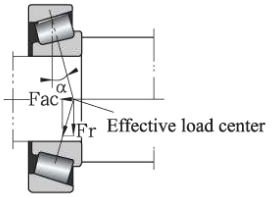
For single-row radial bearings, when Fa/Fr≤, let X=1, Y=0

Hence, in this cage equivalent dynamic load Pr=Fr

[e indicates the critical value $^{Fa}/_{Fr}$ which is given in the bearing dimension tables.]

For single-row angular contact ball bearings and tapered roller bearings, as shown in Figure 1, since the axial component of force(Fac) shall happen when the bearing carries radial load, normally these two types of bearings are used in face-to-face or back-to-back arrangements.





[The location dimensions of effective load center are listed in the bearing dimension table]
Figure 1 Axial component of force

The axial component of force can be calculated with the following fomula:

$$F_{ac}=\frac{F_r}{2Y} \quad \cdots\cdots (10)$$

The calculation method for the equivalent dynamic load of these bearings when they carry radial load and outside axial load are shown in Table 5.

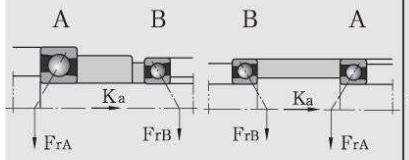
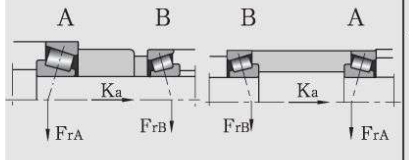
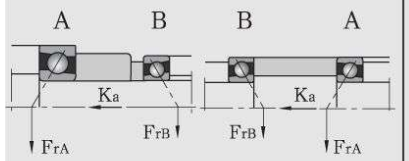
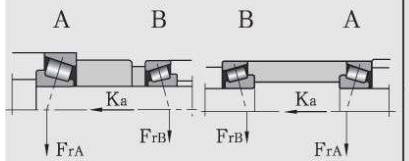
Thrust ball bearings with a=90° can only carry axial load, therefore the equivalent dynamic load Pa=Fa.

The equivalent dynamic load of thrust spherical roller bearings can be calculated with the following formula:

$$P_a=F_a+1.2F_r \quad \cdots\cdots (11)$$

Where, $^{F_r}/_{F_a}\leqslant 0.55$

Table 5 Calculation of equivalent dynamic load for two single-row angular contact ball bearings or tapered roller bearings matched in face-to-face or back-to back arrangement

Bearings collocations		Load conditions	Bearing	Axial load	Equivalent dynamic load
Back-to-back	Face-to-face				
		$\frac{F_{rB}}{2Y_B}+K_a \geq \frac{F_{rA}}{2Y_A}$	BearingA	$\frac{F_{rB}}{2Y_B}+K_a$	$P_A=XF_{rA}+Y_A\left(\frac{F_{rB}}{2Y_B}+K_a\right)$ When$P_A<F_{rA}$,let$P_A=F_{rA}$
			BearingB	——	$P_B=F_{rB}$
		$\frac{F_{rB}}{2Y_B}+K_a < \frac{F_{rA}}{2Y_A}$	BearingA	——	$P_A=F_{rA}$
			BearingB	$\frac{F_{rA}}{2Y_A}-K_a$	$P_B=XF_{rB}+Y_B\left(\frac{F_{rA}}{2Y_A}-K_a\right)$ When$P_B<F_{rB}$,let $P_B=F_{rB}$
		$\frac{F_{rB}}{2Y_B} \leq K_a+\frac{F_{rA}}{2Y_A}$	BearingA	——	$P_A=F_{rA}$
			BearingB	$\frac{F_{rA}}{2Y_A}+K_a$	$P_B=XF_{rB}+Y_B\left(\frac{F_{rA}}{2Y_A}+K_a\right)$ When$P_B<F_{rB}$,let$P_B=F_{rB}$
		$\frac{F_{rB}}{2Y_B} > \frac{F_{rA}}{2Y_A}+K_a$	BearingA	$\frac{F_{rB}}{2Y_B}-K_a$	$P_A=XF_{rA}+Y_A\left(\frac{F_{rB}}{2Y_B}-K_a\right)$ When$P_A<F_{rA}$,let$P_A=F_{rA}$
			BearingB	——	$P_B=F_{rB}$

Note:

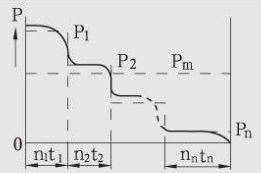
1. Applicable to situations where the internal clearance and pre-load equal 0 when the bearing is running.
2. The radial load is positive although it is in the opposite direction of the arrow in the above figure.

The average equivalent dynamic load when the load changes

When the bearing carries a changing load in either amount or direction, it is necessary to calculate the average equivalent dynamic load which makes the bearing have the same life under actual changing circumstances.

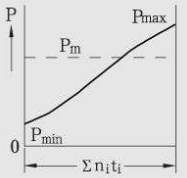
The calculation methods for average equivalent dynamic load in changing situations are shown in (1) to (4). In addition, as shown in Figure 5, the average equivalent dynamic load can be calculated with formula (16) when the static load rotational load is carried simultaneously.

(1) Stepped changes



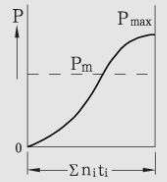
$$P_m=\sqrt[p]{\frac{P_1^p n_1t_1+P_2^p n_2t_2+\cdots\cdots+P_n^p n_nt_n}{n_1t_1+n_2t_2+\cdots\cdots n_nt_n}} \quad \cdots\cdots (12)$$

(2) Monotonous changes



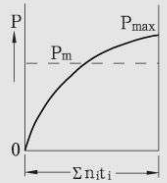
$$P_m=\frac{P_{min}+2P_{max}}{3} \quad \cdots\cdots (13)$$

(3) Sine changes



$$P_m=0.68P_{max} \quad \cdots\cdots (14)$$

(4) Sine changes (Upper part of sine curve)



$$P_m=0.75P_{max} \quad \cdots\cdots (15)$$

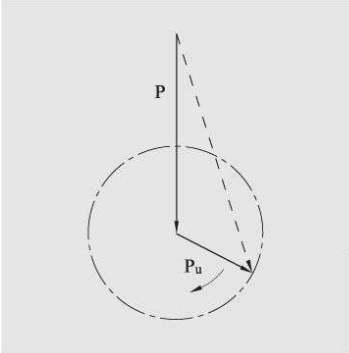
From (1) to (4),

Pm : Average Equivalent Dynamic Load, N {kgf}
P1 : AEDL when rotational speed = n1 and effective time = t1, N {kgf}
P2 : AEDL when rotational speed = n2 and effective time = t2, N {kgf}
Pn : AEDL when rotational speed = nn and effective time = tn, N {kgf}
Pmin : the minimum AEDL, N {kgf}
Pmax : the maximum AEDL, N {kgf}
Σ niti : tq~ti the total rotation number within the time
P : life index
For ball bearings, p=3
For roller bearings, p=10/3

(Reference) Averag rotation speed can be calculated with the following formula:

$$n_m = \frac{n_1 t_1 + n_2 t_2 + \cdots\cdots + n_n t_n}{t_1 + t_2 + \cdots\cdots t_n}$$

(5) Static load and rotational load working together



$$P_m = f_m (P + P_u) \quad \cdots\cdots\cdots\cdots \quad (16)$$

Where,

Pm : average equivalent dynamic load, N {kgf}
Fm : factor (Figure 2)
P : static load, N {kgf}
P : rotation load, N {kgf}

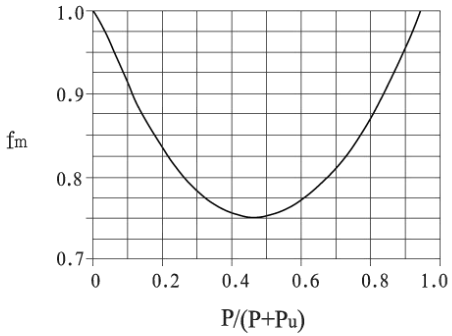


Figure 2 Factor fm

Basic static load rating

Partial permanent deformation will happen to the contact surfaces of the rolling elements and raceways when the bearing carries too heavy the static load or work at extremely low rotational speed. The amount of deformation shall increase with the growing load and shall affect the normal rotation when it exceeds certain limit.

The basic static load rating means the static load which can produce stress in the center of contact surface between the rolling elements carrying the maximum load and the raceways, the contact stress can be calculated as the following:

- Self-aligning ball bearings ····· 4600MPa {469kgf/sq.mm^2}
- Other ball bearings ····· 4200MPa {469kgf/sq.mm^2}
- Roller bearings ····· 4000MPa {469kgf/sq.mm^2}

The total amount of permanent deformation of the rolling elements an raceway under such stress equals 0.0001 times of the diameter of the rolling elements.

For radial bearings and thrust bearings, the basic static load rating is called radial basic static load rating and the axial basic static load rating, indicated by C_{or} and C_{oa} respectively. The values of them are given in the bearings dimension tables.

Equivalent static load rating

Equivalent static load rating is a perceived load. When the bearing is motionless or rotates at extremely low speed, the contact stress in the center of the surface between the rolling elements carrying maximum load and the raceway under such perceived load shall be the same as that will happen in actual load conditions.

The radial load and axial load passing the bearing central line is used as the equivalent static load rating of radial bearing and axial bearing respectively.

Equivalent static load rating can be calculated with the following formula:

$$P_{or} = X_o F_r + Y_o F_a \quad \cdots\cdots\cdots\cdots \quad (17)$$

$$P_{or} = F_r \quad \cdots\cdots\cdots\cdots \quad (18)$$

[Thrust bearings]

($\alpha \neq 90°$)

$$P_{oa} = X_o F_r + F_a \quad \cdots\cdots\cdots\cdots \quad (19)$$

(However, the accuracy decreased when $F_a < X_o F_a$)

($\alpha = 90°$)

$$P_{oa} = F_a \quad \cdots\cdots\cdots\cdots \quad (20)$$

Where,

Por : radial equivalent static load rating, N {kgf}
Poa : axial equivalent static load rating, N {kgf}
Fr : radial load, N {kgf}
Fa : axial load, N {kef}
Xo : radial static load fator
Yo : axial static load factor(Static factor Xo and Yo are given in the bearing dimension tables.)

Safety factors

Although the permissible equivalent static load depends on the basic static load rating of the bearing, the use limit of the bearing restricted by the above-mentioned permanent deformation (the amount of partial surface hollow) will vary with the requirements on the functionality and the application conditions of the bearing.

Therefore, an empirical safety factor is defined in order to analyze the safe level of the basic static load rating.

$$f_s = \frac{C_o}{P_o} \quad \cdots\cdots\cdots\cdots \quad (21)$$

Where,

Fs : safety factor (Table 6)
Co : basic static load rating, N {kgf}
Po : equivalent static load, N {kgf}

Table 6 Safety factor fs

Application conditions		fs (minimum)	
		Ball bearing	Roller bearing
Rotating in normal way	High rotational precision	2	3
	Under normal conditions	1	1.5
	With shock load	1.5	3
(sometimes oscillating) Under normal conditions	Rotating rarely	0.5	1
	With shock load or unevenly-distributed load	1	2

[Note]: For thrust spherical roller bearings, let $f_s \geqslant 4$.

Pretension of bearing

During working and under the running condition, the bearings usually have proper internal clearance. In order to improve the rigidity or ruing accuracy of bearing under different working conditions, the bearing is preloaded to make it with certain negative internal clearance, i.e. taking some measures to generate certain predeformation among rolling elements, inner ring and outer ring to keep the condition of being pressed between inner ring and outer ring. This process is called pretension. It is normally applicable for angular contact ball bearings and tapered roller bearings.

Purpose of pretension

To improve the axial and radial positioning accuracy of shaft and reduce the run-out of shaft.
To improve the rigidity of bearings
To avoid the bearing noise generated by vibration and resonance vibration
To keep correct relative position among rolling elements and rings.

Types of preload

Radial or axial pretension can be adopted according to different bearing types. The pretension is realized by applying preload on bearing and make inner ring and outer ring have relative displacement.

Positioning preload

In order to fix the relative axial position of bearing and improve the rigidity of bearing

Constant pressure preload

The pretension is realized by a spring. Therefore, pre-pressure can be kept steadily even though the position between bearings may change due to temperature rise or load during operation.

Cylindrical bearing: radial preload
Thrust bearing: axial preload

Single-row angular contact ball bearing and tapered roller bearing:
Generally, they're applied axial preload and used with other bearings of the same type in face-to-face arrangement or back-to-back arrangement.
Deep groove ball bearing is usually applied with axial load.
Normally, preload is adjusted under certain ambient temperature during mounting. (or preset according to this temperature). During operating, if the temperature rise of shaft is greater than that of bearing block, the preload will be increased. And the preload amount of face-to-face arrangement increases greater than the preload amount of back-to-back arrangement.

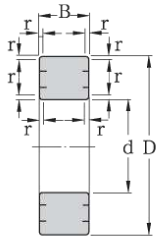
Data of bearings

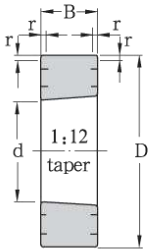
Main dimensions

The main dimensions of bearings indicate the boundary dimensions of inner ring, outer ring, width or height, chamfer and others that are used to describe the outline of the bearing. They are the necessary dimensions required for the mounting on the shaft or in the housing.

These main dimensions have been standardized by international standard (ISO15). GB307 (main dimensions for rolling bearings) are also based on ISO standards.

The national standards have defined the main dimensions according to types of radial bearings (except the regulations for tapered roller bearings) and thrust bearings. The details are provided in the bearing catalogue.





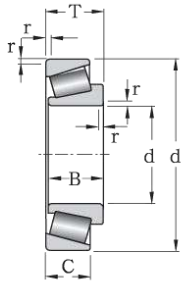
(1) Radial bearing

(Excluding tapered roller bearing)

Radial bearing

(Excluding tapered roller bearing)

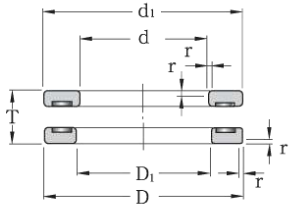
d: bearing nominal bore diameter
D: bearing nominal outer diameter
B: bearing nominal width
r: inner and outer rings chamfer dimension

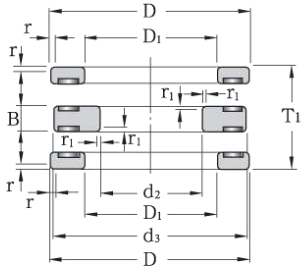


(2) Tapered roller bearing

Tapered roller bearing

d : bearing nominal bore diameter
D : bearing nominal outer diameter
T : bearing nominal width (assembly width)
B : inner ring nominal width
C : outer ring nominal width
r : inner and outer rings chamfer dimension





(3) Thrust bearing (single direction, double direction)

Thrust bearing (Plain housing washer type)

d : Shaft washer nominal bore diameter
d1 : Shaft washer nominal outer diameter 2) of inner ring
d2 : Central shaft washer nominal bore diameter
d3 : Central shaft washer nominal outer diameter 2)
D : Housing washer nominal out diameter
D1 :Housing washer nominal bore diameter 1)

T : Nominal height of single direction bearing
T1: Nominal height of double direction bearing
B : Central shaft washer height
r : Shaft washer and housing washer chamfer dimension 1)
r1: Central shaft washer chamfer dimension 1)

[Note]
1). The minimum value is listed in bearing dimension tables
2). The maximum value is listed in bearing dimension tables.

Bearing Precision

Rolling bearing precision class has been standardized and has been classified into 6 levels of P0, P6X, P6, P5, P4 and P2.

The precision level increases beginning from P0. P0 class is applicable for normal purpose. When bearings are working in such conditions or circumstances as described in Table 1, P5 or even higher precision is needed.

Although the above mentioned precision class is made on the ISO basis, it is named differently in some countries.

Applicable precision classes to all kinds of bearing types and comparisons among different countries' standards are listed in Table 2.

■ Dimension precision (relative to shaft and housing mounting)
- Bore diameter, outer diameter, width and permissible deviation of assembly width
- Permissible deviation of roller group inner and outer inscribed circle diameters
- Permissible limit value of chamfer dimension
- Permissible variation of width
- Permissible deviation and variation of tapered bore

■ Rotation precision (relative to rotation object runout)
- Permissible radial and axial runout of inner and ring and outer ring
- Permissible horizontal runout of inner ring
- Permissible variation of outer diameter surface leaning slop
- Permissible raceway thickness variation of thrust bearing

Table 1: Application examples of precise bearings

Performance requirements	Application	Applicable precision class
High runout precision of rolling elements is required	Acoustics, video device spindles(video, recorder) Radar, paraboloid antenna retating axle Machine tools spindle Computer, disc driver spindle Roll neck for aluminum foil mill Bearings for multi-process rolling mills	P5,P4 P4 P5,P4,P2,ABEC9 P5,P4,P2,ABEC9 P5 P4
High rotation speed	Super chargers Jet propelled generator spindle, auxiliary machine Centrifugal separator Hydraulic natural gas pumps Turbine molecular pump spindle, protection bearing Machine tool spindle Tensioners	P5,P4 P5,P4 P5,P4 P5 P5,P4 P5,P4,P2,ABEC9 P5,P4
Low friction and small friction variation is required	Devices for control (synchronism motor, sevo motor, gyro gimbal) Meters and instruments Machine tool spindles	P4,ABMA 7P P5 P5,P4,P2,ABEC9

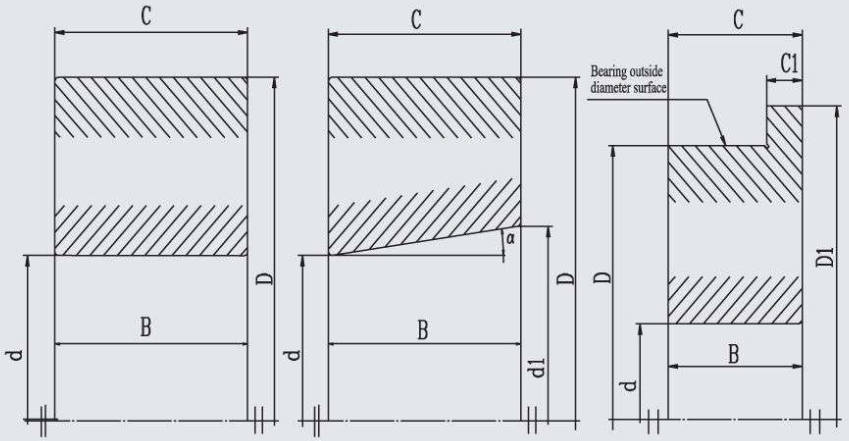
Table 2: Bearing type and applicable precision class

Bearing type		Applicable standard	Applicable precision class					
Deep groove ball bearings		GB307	PP0	–	P6	P5	P4	P2
Angular contact ball bearings			P0	–	P6	P5	P4	P2
Self-aligning ball bearing			P0	–	–	–	–	–
Cylindrical roller bearings			PP0	–	P6	P5	P4	P2
Tapered roller bearings	Metric series (single row)	GB307	P0	P6X	P6	P5	P4	–
	Metric series	SB/T53419-94	P0	–	–	–	–	–
	(double–row, four–row) inch series	SB/CO/T10-89	Class4	–	Class2	Class3	Class0	Class0
Spherical roller bearings		GB307	P0	–	–	–	–	–
Thrust ball bearings			P0	–	P6	P5	P4	–
Spherical thrust roller bearings			P0	–	–	–	–	–

Tolerance symbols

Outline dimension symbols (Figure 1)

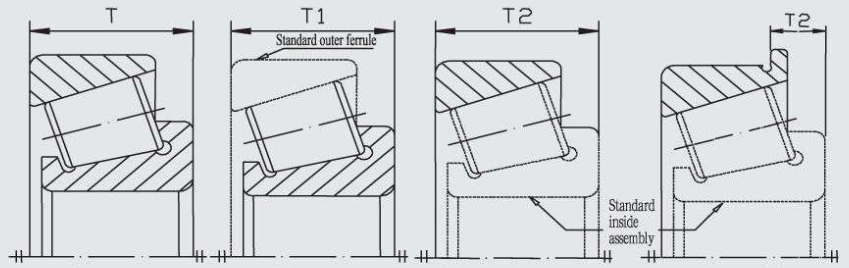
d: nominal bearing bore diameter
d1: basic diameter of basic tapered hole on theoretical big end
△ds: diameter deviation of single inner hole
△dmp: deviation of mean inner diameter on the single plain (For tapered hole △dmp only refers to theoretical small end of inner hole)
△d1mp: mean inner diameter deviation of basic tapered hole on theoretical big end
△dp: inner diameter variation on the single radial plain
Vdmp: mean inner diameter variation (only suitable for cylindrical hole)
α : nominal half tapered angle
D: nominal bearing outer diameter
D1: nominal outer diameter of outer ring flange
△Ds: single outer diameter deviation
△Dmp: mean outer diameter deviation on the single plain
△D1s: single outer diameter deviation of outer ring flange
△Dp: outer diameter variation on the single radial plain
△Dmp: mean variation of outer diameter
B: inner ring nominal width
△Bs: single width deviation of inner ring
VBs: width variation of inner ring
C: nominal width of outer ring
C1: nominal width of outer ring flange
△Cs: single width deviation of outer ring
△C1s: single width deviation of outer ring flange
VCs : width variation of outer ring
VC1s: width variation of outer ring flange
Kia: radial runout of assembled bearing inner ring
Kea: radial runout of assembled bearing outer ring
Sd: runout of inner ring reference face (back face) to the bore
SD: inclination variation of outer diameter generatrix with reference face (back face)
SD1: inclination variation of outer diameter generatrix to the flange back face
Sia: runout of assembly bearing's inner ring end face (back face) to the race way
Sea: runout of assembly bearing's outer ring end face (back face) to the raceway
Sea1: runout of flange back face to raceway of assembly bearings



Picture 1 symbols of boundary dimension

Appended symbols for tapered roller bearings (Table 2)

T: Nominal width of the bearing
△Ts: Deviation of assembly width
T1: Effective width of cone assembled with master cup
△T1s: Deviation of single width of cone assembled with master cup
T2: Effective width of cone assembled with master cup
△T2s: Deviation of single width of cup assembled with master cone



Picture 2 Appended symbols for tapered roller bearings

Tolerance value

Radial bearing (excluding tapered roller bearings)

Tolerance of P0 (Table 3, Table 4)

Table 3: Tolerance of Class P0 inner ring μm

d mm		△dmp		Vdp 2)			Vdmp	Kia	△Bs			VBs
				Diameter series					All	Normal	Revision 3)	
				9	0、1	2 3 4						
Over	To	High	Low	max			max	max	High	Low		
0.6 1)	2.5	0	−8	10	8	6	6	10	0	−40	−	12
2.5	10	0	−8	10	8	6	6	10	0	−120	−250	15
10	18	0	−8	10	8	6	6	10	0	−120	−250	20
18	30	0	−10	13	10	8	8	13	0	−120	−250	20
30	50	0	−12	15	12	9	9	15	0	−120	−250	20
50	80	0	−15	19	19	11	11	20	0	−150	−380	25
80	120	0	−20	25	25	15	15	25	0	−200	−380	25
120	180	0	−25	31	31	19	19	30	0	−250	−500	30
180	250	0	−30	38	38	23	23	40	0	−300	−500	30
250	315	0	−35	44	44	26	26	50	0	−350	−500	35
315	400	0	−40	50	50	30	30	60	0	−400	−630	40
400	500	0	−45	56	56	34	34	65	0	−450	−	50
500	630	0	−50	63	63	38	38	70	0	−500	−	60
630	800	0	−75	−	−	−	−	80	0	−750	−	70
800	1000	0	−100	−	−	−	−	90	0	−1000	−	80
1000	1250	0	−125	−	−	−	−	100	0	−1250	−	100
1250	1600	0	−160	−	−	−	−	120	0	−1600	−	120
1600	2000	0	−200	−	−	−	−	140	0	−2000	−	140

[Note]: 1) 0.6mm is included.
2) The values are not given for bearing diameter series 7 and 8
3) Suitable for the inner ring of a single bearing in matched pair or combined arrangements.

Table 4: Tolerance of Class P0 outer ring μm

D mm		△Dmp		VDp 2)4)				VDmp 4)	Kea	△Cs △C1s 5)	VCs VC1s 5)	
				Open bearing			Capped bearing					
				9	0、1	2、3、4	2、3、4					
Over	To	High	Low	max				max	max	High	Low	max
2.5 1)	6	0	−8	10	8	6	10	6	15	Same as the △Bs and VBS of the inner ring fo the same bearing I.D.		
6	18	0	−8	10	8	6	10	6	15			
18	30	0	−9	12	9	7	12	7	15			
30	50	0	−11	14	11	8	16	8	20			
50	80	0	−13	16	13	10※	20	10	25			
80	120	0	−15	19	19	11	26	11	35			
120	150	0	−18	23	23	14	30	14	40			
150	180	0	−25	31	31	19	38	19	45			
180	250	0	−30	38	38	23	−	23	50			
250	315	0	−35	44	44	26	−	26	60			
315	400	0	−40	50	50	30	−	30	70			
400	500	0	−45	56	56	34	−	34	80			
500	630	0	−50	63	63	38	−	38	100			
630	800	0	−75	94	94	55	−	55	120			
800	1000	0	−100	125	125	75	−	75	140			
1000	1250	0	−125	−	−	−	−	−	160			
1250	1600	0	−160	−	−	−	−	−	190			
1600	2000	0	−200	−	−	−	−	−	220			
2000	2500	0	−250	−	−	−	−	−	250			

[Note]: 1) 2.5mm is included.
2) The values are not given for bearing diameter series 7 and 8
3) The values are not given for bearing diameter series of 9,0,1
4) Suitable befove mownting and after dismounting the inner or outer snap ring.
5) Only applicable for deep groove bearings.

Tolerance of P6 (Table 5, Table 6)

Table 5: Tolerance of Class P6 inner ring μm

d mm		△dmp		V_{dp} 2)			Vdmp	Kia	△Bs			VBs
				Diameter series					All	Normal	Revision 3)	
				9	0、1	2 3 4						
Over	To	High	Low	max			max	max	High	Low		
0.6 1)	2.5	0	−7	7	9	5	5	5	0	−40	−	12
2.5	10	0	−7	7	9	5	5	6	0	−120	−250	15
10	18	0	−7	7	9	5	5	7	0	−120	−250	20
18	30	0	−8	8	10	6	6	8	0	−120	−250	20
30	50	0	−10	10	13	8	8	10	0	−120	−250	20
50	80	0	−12	15	15	9	9	10	0	−150	−380	25
80	120	0	−15	19	19	11	11	13	0	−200	−380	25
120	180	0	−18	23	23	14	14	18	0	−250	−500	30
180	250	0	−22	28	28	17	17	20	0	−300	−500	30
250	315	0	−25	31	31	19	19	25	0	−350	−500	35
315	400	0	−30	38	38	23	23	30	0	−400	−630	40
400	500	0	−35	44	44	26	26	35	0	−450	−	45
500	630		−40	50	50	30	30	40	0	−500	−	50

[Note]: 1) 0.6mm is included.

2) The values are not given for bearing diameter series 7 and 8.

3) Suitable for the inner ring of a single bearing in matched pair or combined arrangement.

Table 6: Tolerance of Class P6 outer ring μm

D mm		△Dmp		V_{Dp} 2)4)				V_{Dmp} 4)	Kea	△Cs △C1s 5)	VCs VC1s 5)	
				Open bearing			Capped bearing					
				9	0、1	2、3、4	0,1,2,3,4					
Over	To	High	Low	max				max	max	High	Low	max
2.5 1)	6	0	−7	9	7	5	9	5	8	Same as the △Bs and VBS of the inner ring of the same bearing.		
6	18	0	−7	9	7	5	9	5	8			
18	30	0	−8	10	8	6	10	6	9			
30	50	0	−9	11	9	7	13	7	10			
50	80	0	−11	14	11	8	16	8	13			
80	120	0	−13	16	16	10	20	10	18			
120	150	0	−15	19	19	11	25	11	20			
150	180	0	−18	23	23	14	30	14	23			
180	250	0	−20	25	25	15	−	15	25			
250	315	0	−25	31	31	19	−	19	30			
315	400	0	−28	35	35	21	−	21	35			
400	500	0	−33	41	41	25	−	25	40			
500	630	0	−38	48	48	29	−	29	50			
630	800	0	−45	56	56	34	−	34	60			
800	1000	0	−60	75	75	45	−	45	75			

[Note]: 1) 2.5mm is included.

2) The values are not given for bearing diameter series 7 and 8

3) The values are not given for bearing diameter series of 9,0, and 1

4) Suitable befove mawnting and after dismounting the inner or outer snap ring.

5) Only applicable for deep groove bearings.

Tolerance of P5 (Table 7, Table 8)

Table 7: Tolerance of Class P5 inner ring μm

d mm		△dmp		V_{dp} 2)		V_{dmp}	K_{ia}	S_d	S_{ia} 3)	△Bs			V_{Bs}
				Diameter series						All	Normal	Revision 4)	
				9	0,1,2,3,4								
Over	To	High	Low	max		max	max	max	max	High	Low		
0.6 1)	2.5	0	−5	5	4	3	4	7	7	0	−40	−250	5
2.5	10	0	−5	5	4	3	4	7	7	0	−40	−250	5
10	18	0	−5	5	4	3	4	7	7	0	−80	−250	5
18	30	0	−6	6	5	3	4	8	8	0	−120	−250	5
30	50	0	−8	8	6	4	5	8	8	0	−120	−250	5
50	80	0	−9	9	7	5	5	8	8	0	−150	−250	6
80	120	0	−10	10	8	5	6	9	9	0	−200	−380	7
120	180	0	−13	13	10	7	8	10	10	0	−250	−380	8
180	250	0	−15	15	12	8	10	11	13	0	−300	−500	10
250	315	0	−18	18	14	9	13	13	15	0	−350	−500	13
315	400	0	−23	23	18	12	15	15	20	0	−400	−630	15

[Note]: 1) 0.6mm is included.
2) The values are not given for bearing diameter series 7 and 8
3) Only suitable for deep groove bearings
4) Suitable for the inner ring of a single bearing in matched pair or combined arrangement.

Table 8: Tolerance of Class P5 outer ring μm

D mm		△Dmp		V_{Dp} 2)3)		V_{Dmp}	K_{ea}	S_D 4) S_{D1} 5)	S_{ea} 4)5)	S_{ea1} 4)5)	△Cs △C1s 5)		V_{Cs} V_{C1s} 5)
				Diameter series									
				9	0,1,2,3,4								
Over	To	High	Low	max		max	max	max	max	max	High	Low	max
2.5 1)	6	0	−5	5	4	3	5	8	8	11			5
6	18	0	−5	5	4	3	5	8	8	11			5
18	30	0	−6	6	5	3	6	8	8	11	Same as the		5
30	50	0	−7	7	5	4	7	8	8	11	△Bs of the		5
50	80	0	−9	9	7	5	8	8	10	14	inner ring of		6
80	120	0	−10	10	8	5	10	9	11	16	the same		8
120	150	0	−11	11	8	6	11	10	13	18	bearing I.D.		8
150	180	0	−13	13	10	7	13	10	14	20			8
180	250	0	−15	15	11	8	15	11	15	21			10
250	315	0	−18	18	14	9	18	13	18	25			11
315	400	0	−20	20	15	10	20	13	20	28			13
400	500	0	−23	23	17	12	23	15	23	33			15
500	630	0	−28	28	21	14	25	18	25	35			18
630	800	0	−35	35	26	18	30	20	30	42			20

[Note]: 1) 2.5mm is included.
2) The values are not given for bearing diameter series 7 and 8
3) The values are not given for closed bearings
4) No suitable for bearings with flanged outer ring
5) Only applicable for deep groove bearings

Tolerance of P4 (Table 9, Table 10)

Table 9: Tolerance of Class P4 inner ring μm

d mm		△dmp		△ds[2]		Vdp[2]		Vdmp	Kia	Sd	Sia	VBs			VBs
						Diameter series						All	Normal	Revision[3]	
						9	0,1,2,3,4								
Over	To	High	Low	High	Low	max		max	max	max	max	High	Low		
0.6[1]	2.5	0	−4	0	−4	4	3	2	2.5	3	3	0	−40	−250	2.5
2.5	10	0	−4	0	−4	4	3	2	2.5	3	3	0	−40	−250	2.5
10	18	0	−4	0	−4	4	3	2	2.5	3	3	0	−80	−250	2.5
18	30	0	−5	0	−5	5	4	2.5	3	4	4	0	−120	−250	2.5
30	50	0	−6	0	−6	6	5	3	4	4	4	0	−120	−250	3
50	80	0	−7	0	−7	7	5	3.5	4	5	5	0	−150	−250	4
80	120	0	−8	0	−8	8	6	4	5	5	5	0	−200	−380	4
120	180	0	−10	0	−10	10	8	5	6	6	7	0	−250	−380	5
180	250	0	−12	0	−12	12	9	6	8	7	8	0	−300	−500	6

[Note]: 1) 0.6mm is included.

2) Only suitable for diameter series of P0, P1, P2, P3 and P4

3) The values are not given for bearing diameter series 7 and 8

4) Only suitable for deep groove bearings

5) Suitable for the inner ring of a single bearing in matched pair or combined arrangement.

Table 10: Tolerance of Class P4 outer ring μm

d mm		△dmp		△ds[2]		Vdp[3)4)]		VDmp	KeaSD[5] SD1[6]	Sea[5)6)]	Seal[6]	△Cs △C1s[6]		VBs
						Diameter series								
						9	0,1,2,3,4							
Over	To	High	Low	High	Low	max		max	max	max	max	High	Low	max
2.5[1]	6	0	−4	0	−4	4	3	2	3	4	5	7		2.5
6	18	0	−4	0	−4	4	3	2	3	4	5	7		2.5
18	30	0	−5	0	−5	5	4	2.5	4	4	5	7	Same as the	2.5
30	50	0	−6	0	−6	6	5	3	5	4	5	7	△Bs of the	2.5
50	80	0	−7	0	−7	7	5	3.5	5	4	5	7	inner ring of	3
80	120	0	−8	0	−8	8	6	4	6	5	6	8	the same	4
120	150	0	−9	0	−9	9	7	5	7	5	7	10	bearing I.D.	5
150	180	0	−10	0	−10	10	8	5	8	5	8	11		5
180	250	0	−11	0	−11	11	8	6	10	7	10	14		7
250	315	0	−13		−13	13	10	7	11	8	10	14		7
315	400	0	−15		−15	15	11	8	13	10	13	18		8

[Note]: 1) 2.5mm is included

2) Only suitable for diameter series of P0, P1, P2, P3 and P4

3) The values are not given for bearing diameter series 7 and 8

4) The values are not given for closed bearings

5) No suitable for bearings with flanged outer ring

6) Only applicable for deep groove bearings

Tolerance of P2 (Table 11, Table 12)

Table 11: Tolerance of Class P2 inner ring μm

d mm		△dmp		△ds		V_{dp} 2)	V_{dmp}	K_{ia}	S_d	S_{ia} 3)	△Bs			V_{Bs}
Over	To	High	Low	High	Low	max	max	max	max	max	All	Normal	Revision	max
0.6 1)	2.5	0	−2.5	0	−2.5	2.5	1.5	1.5	1.5	1.5	0	−40	−250	1.5
2.5	10	0	−2.5	0	−2.5	2.5	1.5	1.5	1.5	1.5	0	−40	−250	1.5
10	18	0	−2.5	0	−2.5	2.5	1.5	1.5	1.5	1.5	0	−80	−250	1.5
18	30	0	−2.5	0	−2.5	2.5	1.5	2.5	1.5	2.5	0	−120	−250	1.5
30	50	0	−2.5	0	−2.5	2.5	1.5	2.5	1.5	2.5	0	−120	−250	1.5
50	80	0	−4	0	−4	4	2	2.5	1.5	2.5	0	−150	−250	1.5
80	120	0	−5	0	−5	5	2.5	2.5	2.5	2.5	0	−200	−380	2.5
120	150	0	−7	0	−7	7	3.5	2.5	2.5	2.5	0	−250	−380	2.5
150	180	0	−7	0	−7	7	3.5	5	4	5	0	−250	−380	4
180	250	0	−8	0	−8	8	4	5	5	5	0	−300	−500	5

[Note]: 1) 0.6mm is included in this dimension range.
2) The values are not given for bearing diameter series 7, 8 and 9.
3) Only suitable for deep groove bearings
4) Refers to inner ring width deviation of single bearings in matched pair of combined arrangement.

Table 12: Tolerance of Class P2 outer ring μm

D mm		△Dmp		△Ds 2)		V_{dp} 2)	V_{Dmp}	K_{ea}	S_D 3) S_{D1} 4)	S_{ea} 3)4)	S_{eal} 4)	△Cs △C1s 4)		V_{Cs} V_{C1s} 4)
Over	To	High	Low	High	Low	max	max	max	max	max	max	High	Low	max
2.5 1)	6	0	−2.5	0	−2.5	2.5	1.5	1.5	1.5	1.5	3			1.5
6	18	0	−2.5	0	−2.5	2.5	1.5	1.5	1.5	1.5	3			1.5
18	30	0	−4	0	−4	4	2	2.5	1.5	2.5	4			1.5
30	50	0	−4	0	−4	4	2	2.5	1.5	2.5	4			1.5
50	80	0	−4	0	−4	4	2	4	1.5	4	6	Same as the △Bs of the same bearing I.D.		1.5
80	120	0	−5	0	−5	5	2.5	5	2.5	5	7			2.5
120	150	0	−5	0	−5	5	2.5	5	2.5	5	7			2.5
150	180	0	−7	0	−7	7	3.5	5	2.5	5	7			2.5
180	250	0	−8	0	−8	8	4	7	4	7	10			4
250	315	0	−8	0	−8	8	4	7	5	7	10			5
315	400	0	−10	0	−10	10	5	8		8	11			7

[Note]: 1) 2.5mm is included.
2) Only suitable for open and closed bearings with diameter series of P0, P1, P2, P3 and P4
3) Not suitable for bearings with flanged outer ring
4) Only applicable for deep groove bearings

Precision of metric tapered roller bearings

Tolerance of P0 (Table 13, Table 14 and Table 15)

Table 13: Diameter tolerance and radial runout of inner ring μm

d mm		△dmp		V_{dp}	V_{dmp}	K_{ia}
Over	To	High	Low	max	max	max
10	18	0	−12	12	9	15
18	30	0	−12	12	9	18
30	50	0	−12	12	9	20
50	80	0	−15	15	11	25
80	120	0	−20	20	15	30
120	180	0	−25	25	19	35
180	250	0	−30	30	23	50
250	315	0	−35	35	26	60
315	400	0	−40	40	30	70

Table 14: Diameter tolerance and radial runout of outer ring μm

D mm		△Dmp		V_{Dp}	V_{Dmp}	K_{ea}
Over	To	High	Low	max	max	max
18	30	0	−12	12	9	18
30	50	0	−14	14	11	20
50	80	0	−16	16	12	25
80	120	0	−18	18	14	35
120	150	0	−20	20	15	40
150	180	0	−25	25	19	45
180	250	0	−30	30	23	50
250	315	0	−35	35	26	60
315	400	0	−40	40	30	70
400	500	0	−45	45	34	80
500	630	0	−50	50	38	100

Table 15: Width Inner ring, outer ring, single-row bearing and its assembly μm

d mm		△ Bs		△ Cs		△ Ts		△ T1s		△ T2s	
Over	To	High	Low	High	Low	High	Low	High	Low	High	Low
10	18	0	−120	0	−120	+200	0	+100	0	+100	0
18	30	0	−120	0	−120	+200	0	+100	0	+100	0
30	50	0	−120	0	−120	+200	0	+100	0	+100	0
50	80	0	−150	0	−150	+200	0	+100	0	+100	0
80	120	0	−200	0	−200	+200	−200	+100	−100	+100	−100
120	180	0	−250	0	−250	+350	−250	+150	−150	+200	−100
180	250	0	−300	0	−300	+350	−250	+150	−150	+200	−100
250	315	0	−350	0	−350	+350	−250	+150	−150	+200	−100
315	400	0	−400	0	−400	+400	−400	+200	−200	+200	−200

Tolerance of P6X

The tolerance of diameter and radial runout of inner ring and outer ring with in this tolerance class are the same with those given in Class P0. Width tolerance values listed in Table 13 and Table 14..

Table 16: Width Inner ring, outer ring, single-row bearing and its assembly μm

d mm		△ Bs		△ Cs		△ Ts		△ T1s		△ T2s	
Over	To	High	Low	High	Low	High	Low	High	Low	High	Low
10	18	0	−50	0	−100	+100	0	+50	0	+50	0
18	30	0	−50	0	−100	+100	0	+50	0	+50	0
30	50	0	−50	0	−100	+100	0	+50	0	+50	0
50	80	0	−50	0	−100	+100	0	+50	0	+50	0
80	120	0	−50	0	−100	+100	0	+50	0	+50	0
120	180	0	−50	0	−100	+150	0	+50	0	+100	0
180	250	0	−50	0	−100	+150	0	+50	0	+100	0
250	315	0	−50	0	−100	+200	0	+100	0	+100	0
315	400	0	−50	0	−100	+200	0	+100	0	+100	0

Tolerance of P5 (Table 17, Table 18)

Table 17: Inner ring and single row bearing width μm

d mm		△ dmp		V_{dp}	V_{dmp}	K_{ia}	S_d	△ Bs		△ Ts	
Over	To	High	Low	max	max	max	max	High	Low	High	Low
10	18	0	−7	5	5	5	7	0	−200	+200	−200
18	30	0	−8	6	5	5	8	0	−200	+200	−200
30	50	0	−10	8	5	6	8	0	−240	+200	−200
50	80	0	−12	9	6	7	8	0	−300	+200	−200
80	120	0	−15	11	8	8	9	0	−400	+200	−200
120	180	0	−18	14	9	11	10	0	−500	+350	−250
180	250	0	−22	17	11	13	11	0	−600	+350	−250

Table 18: Outer ring μm

D mm		△ Dmp		V_{Dp}	V_{dmp}	K_{ea}	S_D [1] S_{D1}	△ cs	
Over	To	High	Low	max	max	max	max	High	Low
18	30	0	−8	6	5	6	8	Same as the △Bs of the same bearing I.D.	
30	50	0	−9	7	5	7	8		
50	80	0	−11	8	6	8	8		
80	120	0	−13	10	7	10	9		
120	150	0	−15	11	8	11	10		
150	180	0	−18	14	9	13	10		
180	250	0	−20	15	10	15	11		
250	315	0	−25	19	13	18	13		
315	400	0	−28	22	14	20	13		

1) Not suitable for bearings with flanged outer ring

Tolerance of P4 (Table 19, Table 20)

Table 19: Inner ring and single row bearing width

μm

d mm		△dmp		△ds		V_{dp}	V_{dmp}	K_{ia}	S_d	S_{ia}	△Bs		△Ts	
Over	To	High	Low	High	Low	max	max	max	max	max	High	Low	High	Low
10	18	0	−5	0	−5	4	4	3	3	3	0	−200	+200	−200
18	30	0	−6	0	−6	5	4	3	4	4	0	−200	+200	−200
30	50	0	−8	0	−8	6	5	4	4	4	0	−240	+200	−200
50	80	0	−9	0	−9	7	5	4	5	4	0	−300	+200	−200
80	120	0	−10	0	−10	8	5	5	5	5	0	−400	+200	−200
120	180	0	−13	0	−13	10	7	6	6	7	0	−500	+350	−250
180	250	0	−15	0	−15	11	8	8	7	8	0	−600	+350	−250

Table 20: Outer ring

μm

D mm		△Dmp		△Ds		V_{Dp}	V_{Dmp}	K_{ea}	S_D[1] S_{D1}	S_{ea}	S_{eal}	△Cs	
Over	To	High	Low	High	Low	max	max	max	max	max	max	High	Low
18	30	0	−6	0	−6	5	4	4	4	5	7	Same as the △Bs of the same bearing I.D.	
30	50	0	−7	0	−7	5	5	5	4	5	7		
50	80	0	−9	0	−9	7	5	5	4	5	7		
80	120	0	−10	0	−10	8	5	6	5	6	8		
120	150	0	−11	0	−11	8	6	7	5	7	10		
150	180	0	−13	0	−13	10	7	8	5	8	11		
180	250	0	−15	0	−15	11	8	10	7	10	14		
250	315	0	−18	0	−18	14	9	11	8	10	14		
315	400	0	−20	0	−20	15	10	13	10	13	18		

1) Not suitable for bearings with flanged outer ring

Outer ring flange of radial bearings

Table 21: Flanged outer ring tolerance

μm

D1 mm		△D1s			
		Mounting flange		Non-mounting flange	
Over	To	High	Low	High	Low
–	10	0	−36	+220	−36
10	18	0	−43	+270	−43
18	30	0	−52	+330	−52
30	50	0	−62	+390	−62
50	80	0	−74	+460	−74
80	120	0	−87	+540	−87
120	180	0	−100	+630	−100
180	250	0	−115	+720	−115
250	315	0	−130	+810	−130
315	400	0	−140	+890	−140
400	500	0	−155	+970	−155
500	630	0	−175	+1100	−175
630	800	0	−200	+1250	−200
800	1000	0	−230	+1400	−230
1000	1250	0	−260	+1650	−260
1250	1600	0	−310	+1950	−310
1600	2000	0	−370	+2300	−370
2000	2500	0	−440	+2800	−440

Tapered bore, tapered of 1:12 and 1:30 (Figure 3 and Figure 4)

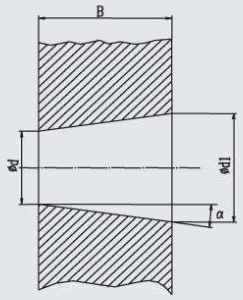


Figure 3: Theoretical tapered bore

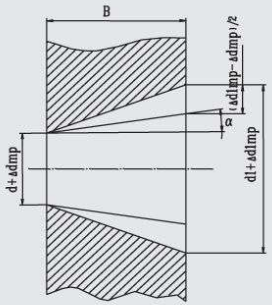


Figure 4: Tapered bore with actual mean diameter and its deviation

Tapered1: 12:

Nominal half tapered angle α=2° 23′ 9.4″ =2.38594° =0.041643 Radian

Basic diameter of theoretical large end of tapered bore

$$d1=d+\frac{1}{12}B$$

Tapered1: 30:

Nominal half tapered angle

α=0° 57′ 17.4″ =0.95484° =0.01667 Radian

$$d1=d+\frac{1}{30}B$$

Basic diameter of theoretical large end of tapered bore

The tolerance of tapered bore includes:

—— Mean diameter tolerance indicated by limit value of actual mean diameter deviation △dmp of theoretical small end of tapered bore.

—— Tapered tolerance indicated by limit value of the difference of actual mean diameter deviation of two ends of tapered bore.

—— Diameter variation tolerance indicated by maximum value of inner diameter variation Vdp on any radial plane of tapered bore.

Tolerance of P0 (Table 22, Table 23)

Table 22: Tapered bore (1:12) μm

d mm		△ d_{mp}		△ d_{1mp} - △ d_{mp}		V_{dp} 1)2)
Over	To	High	Low	High	Low	max
	10	+22	0	+15	0	9
10	18	+27	0	+18	0	11
18	30	+33	0	+21	0	13
30	50	+39	0	+25	0	16
50	80	+46	0	+30	0	19
80	120	+54	0	+35	0	22
120	180	+63	0	+40	0	40
180	250	+72	0	+46	0	46
250	315	+81	0	+52	0	52
315	400	+89	0	+57	0	57
400	500	+97	0	+63	0	63
500	630	+110	0	+70	0	70
630	800	+125	0	+80	0	–
800	1000	+140	0	+90	0	–
1000	1250	+165	0	+105	0	–
1250	1600	+195	0	+125	0	–

[Note]: 1). Suitable for any single radial plane of bore
2). Not suitable for diameter series 7 and 8

Table 23: Tapered bore (1:30) μm

d mm		△ d_{mp}		△ d_{1mp} - △ d_{mp}		V_{dp} 1)2)
Over	To	High	Low	High	Low	max
50	80	+15	0	+30	0	19
80	120	+20	0	+35	0	22
120	180	+25	0	+40	0	40
180	250	+30	0	+46	0	46
250	315	+35	0	+52	0	52
315	400	+40	0	+57	0	57
400	500	+45	0	+63	0	63
500	630	+50	0	+70	0	70

[Note]: 1). Suitable for any single radial plane of bore
2). Not suitable for diameter series 7 and 8

Tolerance values of inch tapered roller bearings are listed in from Table 24 to Table 26

Table 24: I.D. tolerance of bearing cone μm

d mm		△ d_s							
		CL4、CL2		CL3		CL0		CL00	
Over	To	High	Low	High	Low	High	Low	High	Low
–	76.200	+13	0	+13	0	+13	0	+8	0
76.200	101.600	+25	0	+13	0	+13	0	+8	0
101.600	266.700	+25	0	+13	0	+13	0	+8	0
266.700	304.800	+25	0	+13	0	+13	0	–	–
304.800	609.600	+51	0	+25	0	+25	0	–	–

Table 25: Bearing O.D. tolerance and radial runout of cone and cup μm

D mm		△ D_s						K_{ia}、K_{ea}、S_{ia}、S_{ea}、				
		CL4、CL2		CL3、CL0		CL00		CL4	CL2	CL3	CL2	CL00
Over	To	High	Low	High	Low	High	Low	max	max	max	max	max
–	266.700	+25	0	+13	0	+8	0	51	38	8	4	2
266.700	304.800	+25	0	+13	0	–	–	51	38	8	4	–
304.800	609.600	+51	0	+25	0	–	–	51	38	18	–	–

Table 26: Bearing's width tolerance μm

d mm		△ Ts					
		CL4、CL2		CL3、CL0		CL00	
Over	To	High	Low	High	Low	High	Low
—	101.600	+203	0	+203	−203	+203	−203
101.60	266.700	+356	−254	+203	−203	+203	−203
266.700	304.800	+356	−254	+203	−203	+203	−203
304.800	609.600	+381	−381	+203	−203	+203	−203

Tolerance of thrust bearings

Symbols

d: nominal bore diameter of single direction bearing shaft washer

d_2: nominal bore diameter of double direction bearing shaft washer

$\triangle_{dmp}$: Single radial plane mean bore diameter deviation of single direction bearing shaft washer

$\triangle_{d2mp}$: Single radial plane mean bore diameter deviation of double direction bearing shaft washer

V_{dp}: Single radial plane mean bore diameter variation of single direction bearing shaft washer

V_{d2p}: Single radial plane mean bore diameter variation of double direction bearing shaft washer

D: nominal outer diameter of housing washer

$\triangle_{Dmp}$: Single radial plane mean outer diameter deviation of housing washer

$\triangle_{Dp}$: Single radial plane mean outer diameter variation of housing washer

S_i: Variation of raceway thickness of shaft washer or central shaft washer

Remarks: only suitable for thrust ball bearing and thrust cylindrical roller bearing with contact angle of 90°

S_e: Variation of raceway thickness of housing washer

Remarks: only suitable for thrust ball bearing and thrust cylindrical roller bearing with contact angle of 90°

T: Nominal height of single direction bearing

T_1: Nominal height of double direction bearing

$\triangle_{Ts}$: Actual height deviation of single direction bearing

$\triangle_{T1S}$: Actual height deviation of double direction bearing

Tolerances of thrust bearings are listed in from Table 27 to Table 34

Table 27: Tolerance P0: Shaft washer and bearing height μm

d and d2/mm		Δd_{mp}, Δd_{2mp}		V_{dP} V_{d2p}	S_i	ΔT_s		ΔT_{1s}	
Over	To	High	Low	max	max	High	Low	High	Low
—	18	0	−8	6	10	+20	−250	+150	−400
18	30	0	−10	8	10	+20	−250	+150	−400
30	50	0	−12	9	10	+20	−250	+150	−400
50	80	0	−15	11	10	+20	−300	+150	−500
80	120	0	−20	15	15	+25	−300	+200	−500
120	180	0	−25	19	15	+25	−400	+200	−600
180	250	0	−30	23	20	+30	−400	+250	−600
250	315	0	−35	26	25	+40	−400		
315	400	0	−40	30	30	+40	−500		
400	500	0	−45	34	30	+50	−500		
500	630	0	−50	38	35	+60	−600		
630	800	0	−75	55	40	+70	−750		
800	1000	0	−100	75	45	+80	−1000		
1000	1250	0	−125	95	50	+100	−1400		
1250	1600	0	−160	120	60	+120	−1600		
1600	2000	0	−200	150	75	+140	−1900		
2000	2500	0	−250	190	90	+160	−2300		

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose $d_2 \leqslant 190$mm.

Table 28: Tolerance P0: housing washer

μm

D/mm		ΔDmp		VDp	Se
Over	To	High	Low	max	max
10	18	0	−11	8	
18	30	0	−13	10	
30	50	0	−16	12	
50	80	0	−19	14	
80	120	0	−22	17	
120	180	0	−25	19	
180	250	0	−30	23	Same as shaft washer's Si value of the same bearing
250	315	0	−35	26	
315	400	0	−40	30	
400	500	0	−45	34	
500	630	0	−50	38	
630	800	0	−75	55	
800	1000	0	−100	75	
1000	1250	0	−125	95	
1250	1600	0	−160	120	
1600	2000	0	−200	150	
2000	2500	0	−250	190	
2500	2850	0	−300	225	

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose D≤360mm.

Table 29: Tolerance P6: Shaft washer and bearing height

μm

d and d2/mm		Δdmp, Δd2mp		VdP Vd2p	Si	ΔTs		ΔT1s	
Over	To	High	Low	max	max	High	Low	High	Low
—	18	0	−8	6	5	+20	−250	+150	−400
18	30	0	−10	8	5	+20	−250	+150	−400
30	50	0	−12	9	6	+20	−250	+150	−400
50	80	0	−15	11	7	+20	−300	+150	−500
80	120	0	−20	15	8	+25	−300	+200	−500
120	180	0	−25	19	9	+25	−400	+200	−600
180	250	0	−30	23	10	+30	−400	+250	−600
250	315	0	−35	26	13	+40	−400		
315	400	0	−40	30	15	+40	−500		
400	500	0	−45	34	18	+50	−500		
500	630	0	−50	38	21	+60	−600		
630	800	0	−75	55	25	+70	−750		
800	1000	0	−100	75	30	+80	−1000		
1000	1250	0	−125	95	35	+100	−1400		
1250	1600	0	−160	120	40	+120	−1600		
1600	2000	0	−200	150	45	+140	−1900		
2000	2500	0	−250	190	50	+160	−2300		

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose D≤190mm.

Table 30: Tolerance P6: housing washer

μm

D/mm		ΔDmp		VDp	Se
Over	To	High	Low	max	max
10	18	0	−11	8	
18	30	0	−13	10	
30	50	0	−16	12	
50	80	0	−19	14	
80	120	0	−22	17	The same
120	180	0	−25	19	as Si value
					of shaft
180	250	0	−30	23	washer of
250	315	0	−35	26	the same
315	400	0	−40	30	bearing
400	500	0	−45	34	
500	630	0	−50	38	
630	800	0	−75	55	
800	1000	0	−100	75	
1000	1250	0	−125	95	
1250	1600	0	−160	120	
1600	2000	0	−200	150	
2000	2500	0	−250	190	
2500	2850	0	−300	225	

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose D≤360mm.

Table 31: Tolerance P5: Shaft washer and bearing height

μm

d and d2/mm		Δdmp, Δd2mp		VdP Vd2p	Si	ΔTs		ΔT1s	
Over	To	High	Low	max	max	High	Low	High	Low
—	18	0	−8	6	3	+20	−250	+150	−400
18	30	0	−10	8	3	+20	−250	+150	−400
30	50	0	−12	9	3	+20	−250	+150	−400
50	80	0	−15	11	4	+20	−300	+150	−500
80	120	0	−20	15	4	+25	−300	+200	−500
120	180	0	−25	19	5	+25	−400	+200	−600
180	250	0	−30	23	5	+30	−400	+250	−600
250	315	0	−35	26	7	+40	−400		
315	400	0	−40	30	7	+40	−500		
400	500	0	−45	34	9	+50	−500		
500	630	0	−50	38	11	+60	−600		
630	800	0	−75	55	13	+70	−750		
800	1000	0	−100	75	15	+80	−1000		
1000	1250	0	−125	95	18	+100	−1400		
1250	1600	0	−160	120	25	+120	−1600		
1600	2000	0	−200	150	30	+140	−1900		
2000	2500	0	−250	190	40	+160	−2300		

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose D≤190mm.

Table 32: Tolerance P5: housing washer μm

D/mm		ΔDmp		VDp	Se
Over	To	High	Low	max	max
10	18	0	−11	8	
18	30	0	−13	10	
30	50	0	−16	12	
50	80	0	−19	14	
80	120	0	−22	17	
120	180	0	−25	19	
180	250	0	−30	23	
250	315	0	−35	26	
315	400	0	−40	30	
400	500	0	−45	34	
500	630	0	−50	38	
630	800	0	−75	55	
800	1000	0	−100	75	
1000	1250	0	−125	95	
1250	1600	0	−160	120	
1600	2000	0	−200	150	
2000	2500	0	−250	190	
2500	2850	0	−300	225	

The same as Si value of shaft washer of the same bearing

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose D≤360mm.

Table 33: Tolerance P4: Shaft washer and bearing height μm

d and d2/mm		Δdmp, Δd2mp		VdP Vd2p	Si	ΔTs		ΔT1s	
Over	To	High	Low	max	max	High	Low	High	Low
—	18	0	−7	5	2	+20	−250	+150	−400
18	30	0	−8	6	2	+20	−250	+150	−400
30	50	0	−10	8	2	+20	−250	+150	−400
50	80	0	−12	9	3	+20	−300	+150	−500
80	120	0	−15	11	3	+25	−300	+200	−500
120	180	0	−18	14	4	+25	−400	+200	−600
180	250	0	−22	17	4	+30	−400	+250	−600
250	315	0	−25	19	5	+40	−400		
315	400	0	−30	23	5	+40	−500		
400	500	0	−35	26	6	+50	−500		
500	630	0	−40	30	7	+60	−600		
630	800	0	−50	40	8	+70	−750		

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose d2≤190mm.

Table 34: Tolerance P4: housing washer μm

D/mm		ΔDmp		VDp	Se
Over	To	High	Low	max	max
10	18	0	−7	5	
18	30	0	−8	6	
30	50	0	−9	7	
50	80	0	−11	8	
80	120	0	−13	10	
120	180	0	−15	11	
180	250	0	−20	15	
250	315	0	−25	19	
315	400	0	−28	21	
400	500	0	−33	25	
500	630	0	−38	29	
630	800	0	−45	34	
800	1000	0	−60	45	

The same as Si value of shaft washer of the same bearing

[Note]: For double direction bearings, the tolerances are only suitable for bearings whose D≤360mm.

Limit dimension of chamfer

(1)Radial bearings (except tapered roller bearings) Unit: mm

r (min.) or r1(min.)	Nominal bore diameter of the bearing d mm Over	To	Radial r(min.) or r1(min.)	Axial r(min.) or r1(min.)
0.05	–	–	0.1	0.2
0.08	–	–	0.16	0.3
0.1	–	–	0.2	0.4
0.15	–	–	0.3	0.6
0.2	–	–	0.5	0.8
0.3	–	40	0.6	1
	40	–	0.8	1
0.6	–	40	1	2
	40	–	1.3	2
1	–	50	1.5	3
	50	–	1.9	3
1.1	–	120	2	3.5
	120	–	2.5	4
1.5	–	120	2.3	4
	120	–	3	5
2	–	80	3	4.5
	80	220	3.5	5
	220	–	3.8	6
0.3	–	280	4	6.5
	280	–	4.5	7
0.3	–	100	3.8	6
	100	280	4.5	6
	280	–	5	7
0.3	–	280	5	8
	280	–	5.5	8
4	–	–	6.5	9
5	–	–	8	10
6	–	–	10	13
7.5	–	–	12.5	17
9.5	–	–	15	19
12	–	–	18	24
15	–	–	21	30
19	–	–	25	38

(2)Metric tapered roller bearing Unit: mm

r(min.) or r1(min.)	Bearing nominal bore[1] diameter d or outer diameter D mm Over	To	Radial r(min.) or r1(min.)	Axial r(min.) or r1(min.)
0.3	–	40	0.7	1.4
	40	–	0.9	1.6
0.6	–	40	1.1	1.7
	40	–	1.3	2
1	–	50	1.6	2.5
	50	–	1.9	3
1.5	–	120	2.3	3
	120	250	2.8	3.5
	250	–	3.5	4
2	–	120	2.8	4
	120	250	3.	4.5
	250	–	4	5
2.5	–	120	3.5	5
	120	250	4	5.5
	250	–	4.5	6
3	–	120	4	5.5
	120	250	4.5	6.5
	250	400	5	7
	400	–	5.5	7.5
4	–	120	5	7
	120	250	5.5	7.5
	250	400	6	8
	400	–	6.5	8.5
5	–	180	6.5	8
	180	–	7.5	9
6	–	180	7.5	10
	180	–	9	11

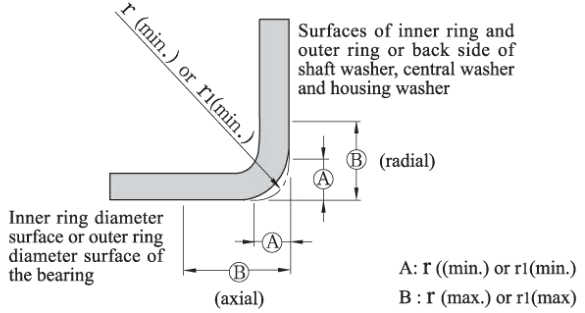
(3)Thrust bearing Unit: mm

r(min.) or r1(min.)	radial and axial r(min.) or r1(min.)
0.05	0.1
0.08	0.16
0.1	0.2
0.15	0.3
0.2	0.5
0.3	0.8
0.6	1.5
1	2.2
1.1	2.7
1.5	3.5
2	4
2.1	4.5
3	5.5
4	6.5
5	8
6	10
7.5	12.5
9.5	15
12	18
15	21
19	25

Basic tolerance

Unit: mm

Basic dimension mm Over	To	Basic tolerance class IT IT1	IT2	IT3	IT4	IT5	IT6	IT7	IT8	IT9	IT10
–	3	0.8	1.2	2	3	4	6	10	14	25	40
3	6	1	1.5	2.5	4	5	8	12	18	30	48
6	10	1	1.5	2.5	4	6	9	15	22	36	58
10	18	1.2	2	3	5	8	11	18	27	43	70
18	30	1.5	2.5	4	6	9	13	21	33	52	84
30	50	1.5	2.5	4	7	11	16	25	39	62	100
50	80	2	3	5	8	13	19	30	46	74	120
80	120	2.5	4	6	10	15	22	35	54	87	140
120	180	3.5	5	8	12	18	25	40	63	100	160
180	250	4.5	7	10	14	20	29	46	72	115	185
250	315	6	8	12	16	23	32	52	81	130	210
315	400	7	9	13	18	25	36	57	89	140	230
40	500	8	10	15	20	27	40	63	97	155	250
500	630	9	11	16	22	30	44	70	110	175	280
630	800	10	13	18	25	35	50	80	125	200	320
800	1000	11	15	21	29	40	56	90	140	230	360
1000	1250	13	18	24	34	46	66	105	165	260	420
1250	1600	15	21	29	40	54	78	125	195	310	500
1600	2000	18	25	35	48	65	92	150	230	370	600
2000	2500	22	30	41	57	77	110	175	280	440	700
2500	3150	26	36	50	69	93	135	210	330	540	860



Bearing clearance

Before mounting the bearing to the shaft or the housing, fix the inner ring or the outer ring and move the other unfixed ring in the radial or axial direction, the amount of movement is called bearing clearance. According to the direction, it can be either radial clearance or the axial clearance.

The amount of clearance while the bearing is rotating (the so-called working clearance) shall have effects on the rolling fatigue life, temperature rise, noise, vibration and other functions.

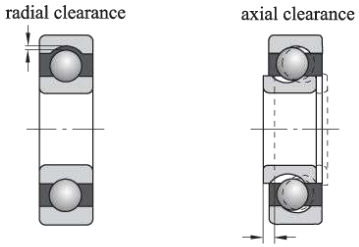


Figure 1 The clearance of the bearing

In order to get the stable value of the clearance, normally a required load is put on the bearing in order to measure the bearing clearance.

Therefore, the measured value is larger than the true clearance (called the theoretical clearance), which means the amount of the elastic deformation caused by the load is increased.

But for roller bearings, this elastic deformation can be ignored since it is comparatively small.

Before the mounting the internal clearance of the bearing, is expressed with theoretical clearance.

The selection of the clearance

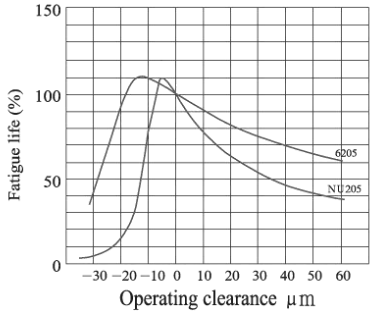
If the amount of expansion or contraction of the rings caused by the interference fit when mounting the bearing on the shaft or in the housing is deducted from the theoretical clearance, then we have the"Mounting Clearance".

Furthermore, the dimension variation caused by the temperature difference inside the bearing is added to or reduced from the mounting clearance, and then we have the so-called "effective Clearance".

When the bearing rotates while carrying a certain magnitude of load in the machine, if the elastic deformation caused by the load is added to the effective clearance, we then have the "Working Clearance".

As shown in Figure 2, when the working clearance is a slightly negative, the bearing has the longest service life. But with the negative clearance changing to be positive, the fatigue life shall decrease. Therefore, when choosing the clearance, it is preferred to choose the 0 or slightly positive working clearance.

Figure 2 The relations between the working clearance and the fatigue life.



In addition, when a higher rigidity or a lower noise is required, a further negative working clearance is preferred, and when the temperature increases inside the bearing, a bigger positive value of the working clearance will be better.

In these or many other cases, concrete analyses should be made according to the application conditions.

The values of clearance of the bearings are shown in Tale 1 to Table 9.

Table 1 Radial clearance of deep groove ball bearings (Cylindrical bore) μm

Nominal inner ring diameter mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max
2.5	6	0	7	2	13	8	23	–	–	–	–
6	10	0	7	2	13	8	23	14	29	20	37
10	18	0	9	3	18	11	25	18	33	25	45
18	24	0	10	5	20	13	28	20	36	28	48
24	30	1	11	5	20	13	28	23	41	30	53
30	40	1	11	6	20	15	33	28	46	40	64
40	50	1	11	6	23	18	36	30	51	45	73
50	65	1	15	8	28	23	43	38	61	55	90
65	80	1	15	10	30	25	51	46	71	65	105
80	100	1	18	12	36	30	58	53	84	75	120
100	120	2	20	15	41	36	66	61	97	90	140
120	140	2	23	18	48	41	81	71	114	105	160
140	160	2	23	18	53	46	91	81	130	120	180
160	180	2	25	20	61	53	102	91	147	135	200
180	200	2	30	25	71	63	117	107	163	150	230
200	225	2	35	25	85	75	140	125	195	175	265
225	250	2	40	30	95	85	160	145	225	205	300
250	280	2	45	35	105	90	170	155	245	225	340
280	315	2	55	40	115	100	190	175	270	245	370
315	355	3	60	45	125	110	210	195	300	275	410
355	400	3	70	55	145	130	240	225	340	315	460
400	450	3	80	60	170	150	270	250	380	350	510
450	500	3	90	70	190	170	300	280	420	390	570
500	560	10	100	80	210	190	330	310	470	440	630
560	630	10	110	90	230	210	360	340	520	490	690
630	710	20	130	110	260	240	400	380	570	540	760
710	800	20	140	120	290	270	450	430	630	600	840
800	900	20	160	140	320	300	500	480	700	670	940
900	1000	20	170	150	350	330	550	530	770	740	1040
1000	1120	20	180	160	380	360	600	580	850	820	1150
1120	1250	20	190	170	410	390	650	630	920	890	1260

Table 2 Radial clearance of self-aligning ball bearings

(1) Radial clearance of self-aligning ball bearings with cylindrical bore μm

Nominal inner ring diameter d mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max
2.5	6	1	8	5	15	10	20	15	25	21	33
6	10	2	9	6	17	12	25	19	33	27	42
10	14	2	10	6	19	13	26	21	35	30	48
14	18	3	12	8	21	15	28	23	37	32	50
18	24	4	14	10	23	17	30	25	39	34	52
24	30	5	16	11	24	19	35	29	46	40	58
30	40	6	18	13	29	23	40	34	53	46	66
40	50	6	19	14	31	25	44	37	57	50	71
50	65	7	21	16	36	30	50	45	69	62	88
65	80	8	24	18	40	35	60	54	83	76	108
80	100	9	27	22	48	42	70	64	96	89	124
100	120	10	31	25	56	50	83	75	114	105	145
120	140	10	38	30	68	60	100	90	135	125	175
140	160	15	44	35	80	70	120	110	161	150	210

(2) Radial clearance of self-aligning ball bearings with tapered bore μm

Nominal inner ring diameter d mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max
18	24	7	17	13	26	20	33	28	42	37	55
24	30	9	20	15	28	23	39	33	50	44	62
30	40	12	24	19	35	29	46	40	59	52	72
40	50	14	27	22	39	33	52	45	65	58	79
50	65	18	32	27	47	41	61	56	80	73	99
65	80	23	39	35	57	50	75	69	98	91	123
80	100	29	47	42	68	62	90	84	116	109	144
100	120	35	56	50	81	75	108	100	139	130	170
120	140	40	68	60	98	90	130	120	165	155	205
140	160	45	74	65	110	100	150	140	191	180	240

Table 3: Radial clearance of cylindrical roller bearings

(1) Radial clearance of cylindrical roller bearings with cylindrical bore μm

Nominal inner ring diameter d mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max
	10	0	25	20	45	35	60	50	75	–	–
10	24	0	25	20	45	35	60	50	75	65	90
24	30	0	25	20	45	35	60	50	75	70	95
30	40	5	30	25	50	45	70	60	85	80	105
40	50	5	35	30	60	50	80	70	100	95	125
50	65	10	40	40	70	60	90	80	110	110	140
65	80	10	45	40	75	65	100	90	125	130	165
80	100	15	50	50	85	75	110	105	140	155	190
100	120	15	55	50	90	85	125	125	165	180	220
120	140	15	60	60	105	100	145	145	190	200	245
140	160	20	70	70	120	115	165	165	215	225	275
160	180	25	75	75	125	120	170	170	220	250	300
180	200	35	90	90	145	140	195	195	250	275	330
200	225	45	105	105	165	160	220	220	280	305	365
225	250	45	110	110	175	170	235	235	300	330	395
250	280	55	125	125	195	190	260	260	330	370	440
280	315	55	130	130	205	200	275	275	350	410	485
315	355	65	145	145	225	225	305	305	385	455	535
355	400	100	190	190	280	280	370	370	460	510	600
400	450	110	210	210	310	310	410	410	510	565	665
450	500	110	220	220	330	330	440	440	550	625	735

Table 4: Radial clearance of Self-aligning roller bearings

(1) Self-aligning roller bearings with cylindrical bores μm

Nominal inner ring diameter d mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	TO	min.	max	min.	max	min.	max	min.	max	min.	max
14	18	10	20	20	35	35	45	45	60	60	75
18	24	10	20	20	35	35	45	45	60	60	75
24	30	15	25	25	40	40	55	55	75	75	95
30	40	15	30	30	45	45	60	60	80	80	100
40	50	20	35	35	55	55	75	75	100	100	125
50	65	20	40	40	65	65	90	90	120	120	150
65	80	30	50	50	80	80	110	110	145	145	180
80	100	35	60	60	100	100	135	135	180	180	225
100	120	40	75	75	120	120	160	160	210	210	260
120	140	50	95	95	145	145	190	190	240	240	300
140	160	60	110	110	170	170	220	220	280	280	350
160	180	65	120	120	180	180	240	240	310	310	390
180	200	70	130	130	200	200	260	260	340	340	430
200	225	80	140	140	220	220	290	290	380	380	470
225	250	90	150	150	240	240	320	320	420	420	520
250	280	100	170	170	260	260	350	350	460	460	570
280	315	110	190	190	280	280	370	370	500	500	630
315	355	120	200	200	310	310	410	410	550	550	690
355	400	130	220	220	340	340	450	450	600	600	750
400	450	140	240	240	370	370	500	500	660	660	820
450	500	140	260	260	410	410	550	550	720	720	900
500	560	150	280	280	440	440	600	600	780	780	1000
560	630	170	310	310	480	480	650	650	850	850	1100
630	710	190	350	350	530	530	700	700	920	920	1190
710	800	210	390	390	580	580	770	770	1010	1010	1300
800	900	230	430	430	650	650	860	860	1120	1120	1440
900	1000	260	480	480	710	710	930	930	1220	1220	1570

(2) Self-aligning roller bearings with tapered bores μm

Nominal inner ring diameter d mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max
18	24	15	25	25	35	35	45	45	60	60	75
24	30	20	30	30	40	40	55	55	75	75	95
30	40	25	35	35	50	50	65	65	85	85	105
40	50	30	45	45	60	60	80	80	100	100	130
50	65	40	55	55	75	75	95	95	120	120	160
65	80	50	70	70	95	95	120	120	150	150	200
80	100	55	80	80	110	110	140	140	180	180	230
100	120	65	100	100	135	135	170	170	220	220	280
120	140	80	120	120	160	160	200	200	260	260	330
140	160	90	130	130	180	180	230	230	300	300	380
160	180	100	140	140	200	200	260	260	340	340	430
180	200	110	160	160	220	220	290	290	370	370	470
200	225	120	180	180	250	250	320	320	410	410	520
225	250	140	200	200	270	270	350	350	450	450	570
250	280	150	220	220	300	300	390	390	490	490	620
280	315	170	240	240	330	330	430	430	540	540	680
315	355	190	270	270	360	360	470	470	590	590	740
355	400	210	300	300	400	400	520	520	650	650	820
400	450	230	330	330	440	440	570	570	720	720	910
450	500	260	370	370	490	490	630	630	790	790	1000
500	560	290	410	410	540	540	680	680	870	870	1100
560	630	320	460	460	600	600	760	760	980	980	1230
630	710	350	510	510	670	670	850	850	1090	1090	1360
710	800	390	570	570	750	750	960	960	1220	1220	1500
800	900	440	640	640	840	840	1070	1070	1370	1370	169
900	1000	490	710	710	930	930	1190	1190	1520	1520	1860

Table 5: Recommended radial clearance of double-row cylindrical roller bearings with cylindrical bores μm

Nominal inner ring diameter d mm		Clearance					
		Group 1		Group 2		Group 3	
Over	To	min.	max	min.	max	min.	max
	24	5	15	10	20	20	30
24	30	5	15	10	25	25	35
30	40	5	15	12	25	25	40
40	50	5	18	15	30	30	45
50	65	5	20	15	35	35	50
65	80	10	25	20	40	40	60
80	100	10	30	25	45	45	70
100	120	10	30	25	50	50	80
120	140	10	35	30	60	60	90
140	160	10	35	35	65	65	100
160	180	10	40	35	75	75	110
180	200	15	45	40	80	80	120
200	225	15	50	45	90	90	135
225	250	15	50	50	100	100	150
250	280	20	55	55	110	110	165
280	315	20	60	60	120	120	180
315	355	20	65	65	135	135	200
355	400	25	75	75	150	150	225
400	450	25	85	85	170	170	255
450	500	25	95	95	190	190	285

Table 6: Recommended radial clearance of double-row cylindrical roller bearings with tapered bores μm

Nominal inner ring diameter d mm		Clearance			
		Group 1		Group 2	
Over	To	min.	max	min.	max
	24	10	20	20	30
24	30	15	25	25	35
30	40	15	25	25	40
40	50	17	30	30	45
50	65	20	35	35	50
65	80	25	40	40	60
80	100	35	55	45	70
100	120	40	60	50	80
120	140	45	70	60	90
140	160	50	75	65	100
160	180	55	85	75	110
180	200	60	90	80	120
200	225	60	95	90	135
225	250	65	100	100	150
250	280	75	110	110	165
280	315	80	120	120	180
315	355	90	135	135	200
355	400	100	150	150	225
400	450	110	170	170	255
450	500	120	190	190	285

Table 7: Radial clearance of four-row cylindrical roller bearings μm

Nominal inner ring diameter d mm		Clearance									
		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max
80	100	15	50	50	85	75	110	105	140	155	190
100	120	15	55	50	90	85	125	125	165	180	220
120	140	15	60	60	105	100	145	145	190	200	245
140	160	20	70	70	120	115	165	165	215	225	275
160	180	25	75	75	125	120	170	170	220	250	300
180	200	35	90	90	145	140	195	195	250	275	330
200	225	45	105	105	165	160	220	220	280	305	365
225	250	45	110	110	175	170	235	235	300	330	395
250	280	55	125	125	195	190	260	260	330	370	440
280	315	55	130	130	205	200	275	275	350	410	485
315	355	65	145	145	225	225	305	305	385	455	535
355	400	100	190	190	280	280	370	370	460	510	600
400	450	110	210	210	310	310	410	410	510	565	665
450	500	110	220	220	330	330	440	440	550	625	735
500	560	120	240	240	360	360	480	480	600	–	–
560	630	140	260	260	380	380	500	500	620	–	–
630	710	145	285	285	425	425	565	565	705	–	–
710	800	150	310	310	470	470	630	630	790	–	–
800	900	180	350	350	520	520	690	690	860	–	–
900	1000	200	390	390	580	580	770	770	960	–	–
1000	1120	220	430	430	640	640	850	850	1060	–	–
1120	1250	230	470	470	710	710	950	950	1190	–	–
1250	1400	270	530	530	790	790	1050	1050	1310	–	–

Table 8: Radial clearance of double-row and four-row tapered roller bearings μm

Nominal inner ring diameter d mm		Clearance											
		Group 1		Group 2		Group 0		Group 3		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max	min.	max	min.	max
_	30	0	10	10	20	20	30	40	50	50	60	70	80
30	40	0	12	12	25	25	40	45	60	60	75	80	95
40	50	0	15	15	30	30	45	50	65	65	80	90	110
50	65	0	15	15	30	30	50	50	70	70	90	90	120
65	80	0	20	20	40	40	60	60	80	80	110	110	150
80	100	0	20	20	45	45	70	70	100	100	130	130	170
100	120	0	25	25	50	50	80	80	110	110	150	150	200
120	140	0	30	30	60	60	90	90	120	120	170	170	230
140	160	0	30	30	6	65	100	100	140	140	190	190	260
160	180	0	35	35	70	70	110	110	150	150	210	210	280
180	200	0	40	40	80	80	120	120	170	170	230	230	310
200	225	0	40	40	90	90	140	140	190	190	260	260	340
225	250	0	50	50	100	100	150	150	210	210	290	290	380
250	280	0	50	50	110	110	170	170	230	230	320	320	420
280	315	0	60	60	120	120	180	180	250	250	350	350	460
315	355	0	70	70	140	140	210	210	280	280	390	390	510
355	400	0	70	70	150	150	230	230	310	310	440	440	580
400	450	0	80	80	170	170	260	260	350	350	490	490	650
450	500	0	90	90	190	190	290	290	390	390	540	540	720
500	560	0	100	100	210	210	320	320	430	430	590	590	790
560	630	0	110	110	230	230	350	350	480	480	660	660	880
630	710	0	130	130	260	260	400	400	540	540	740	740	910
710	800	0	140	140	290	290	450	450	610	610	830	830	1100
800	900	0	160	160	330	330	500	500	670	670	920	920	1240
900	1000	0	180	180	360	360	540	540	720	720	980	980	1300
1000	1120	0	200	200	400	400	600	600	820				
1120	1250	0	220	220	450	450	670	670	900				
1250	1400	0	250	250	500	500	750	750	980				

Table 9: Radial clearance of four-point contact ball bearings μm

Nominal inner ring diameter d mm		Clearance							
		Group 2		Group 0		Group 4		Group 5	
Over	To	min.	max	min.	max	min.	max	min.	max
–	18	15	55	45	85	75	115	105	145
18	40	26	66	56	106	96	146	136	186
40	60	36	86	76	126	116	166	156	206
60	80	46	96	86	136	126	176	166	216
80	100	56	116	96	156	136	196	176	236
100	140	66	136	116	176	156	216	196	256
140	180	76	156	136	196	176	236	216	276
180	220	96	176	156	216	196	256	236	296
220	260	115	195	175	235	215	295	275	335
260	300	135	215	195	275	255	335	295	355
300	350	155	235	215	295	275	355	335	415
350	400	175	265	245	325	305	385	365	465
400	500	205	305	285	385	355	455	435	525
500	600	255	355	335	445	425	545	525	615

Bearing material

The performance and reliability of rolling bearings mostly depend on bearing material property. The rolling bearings are required to undergo large stress frequently on the interface between rings and rolling elements, meanwhile, to keep the high precision rotation. So it is required that the materials of the rings and the rolling elements possess the characteristics of hardness coinciding with loading capability, anti-fatigue and anti-wear, and dimension stability under different conditions of rolling contact and lubrication. Too much non-metallic impurity can cause fatigue and chapping easily. The less the impurity is, the cleaner the materials are and the longer life of rolling bearings is.

Rings and rolling elements

High carbon chrome bearing steel is generally used for the rolling bearing rings and the rolling elements. The carburizing steel is used for the bearings with high impact load and alternating bending stress.
High carbon chrome bearing steel is widely used for the rolling bearings, which are required to be through hardened, the surface and bore of the bearing both are hardened. Recently, the quality of the bearing steel is being improved, the material property is improved greatly by vacuumed degassed treatment, and the oxygen content and non-metal content are reduced. Electroslag refining bearing steel with higher clean degree is used for bearings with long service life and high liability.

WSW heat treatment technology for rolling bearing rings and rolling elements ensures the dimension steadublity when under 120℃. For higher operating temperature, special bearing heat treatment technology are demanded to ensure its dimensional steadublity. But this special technology will reduce bearing's material hardness and shorten bearing's fatigue life. For bearing whose operating temperature is more than 300℃, high temperature steel of hyperpyrexia hardness is used.

Cage

The cage is applied to embrace the rolling elements partially to ensure a distance between the two neighbor rollers to reduce operating friction and generated heat, to keep the same distance among rolling elements and distribute load equably, to prevent rolling elements from falling off from separable bearings, and to guide rolling elements. Cages can take functions in lubrication grease storage to improve bearings' lubrication. For cage material, it is required to undergo operating vibration and impacting strength and to ensure small friction with rolling elements. The material should be light and be suitable for bearing's operating temperature.

Pressed cage

WSW pressed cage is generally made out of cool-rolled and hot-rolled sheet steel which has light weight and takes small space in bearings so that lubricant can go inside easily.
Pressed cage is usually used in deep groove ball bearings, self-aligning roller bearings and most taper roller bearings.

Solid cage

WSWsolid cage is made out of metal, phenolic bakelite and plastic.
Metal solid cage is usually made out of brass, carbon steel etc. It is used in situations where cages of high strength are required and where the temperature is high.
Solid cage can be used where guide ring is needed. High speed bearing with guide ring is often made out of light material, such as light alloy, phenolic bakelite, and soon to endure its small inertia.
Plastic injection molding can be adopted when solid cage is made out of glass fiber reinforced nylon 66 according to its outline suitable for the highest load requirement. Glass fiber reinforced nylon 66 has big flexibility, light weight and is suitable for vibration impact stress, acceleration or deceleration or mutual clopping of inner ring and outer ring. This bearing cage holds property of well lubrication and self-aligning. Cages made out of glass fiber reinforced nylon 66 can be used in steady situations where the operating temperature is less than 120℃. Nylon will lost its flexibility under temperature lower than -40℃.

Pin cage

Linked by hollow roller, pin and gasket, pin

cage is mostly used in large size cylindrical roller bearings and taper roller bearings. The cage's weight is light and can admit more rollers and heavier load. Detailed instruction of cage material marking method is listed in bearing dimension table.

Bearing limit rotation speed

The rotation speed of the bearing is mainly restricted by the temperature increase due to the friction heat inside the bearing. When the rotation speed exceeds certain limit, the bearing shall fail to continue rotating due to burns.
Limit rotation speed of the bearing indicates the limit value of the rotation speed when there is no friction heat which leads to burns and the bearing can continuously rotate.
Therefore, the limit rotation speed of the bearing is subject to the bearing type, dimensions, precision, lubrication method, quality and amount of lubricant, material and design of retaining cage, loading conditions and other factors.
The limit rotation speed for different types of bearings using grease lubrication and oil lubrication are respectively given in the dimension tables of these bearings. These values indicate the limit values of rotation speed the bearings of normal design under normal loading conditions ($C/P \geqslant 13$, $Fa/Fr \leqslant 0.25$ or so).

In addition, the lubricant may be better than others in property, according to types and brand, but it may not be suitable for high speed rotation.

Correction of limit rotate speed

Correction must be with formula (1) on limit rotation speed, when the loading condition C/P<13 (ie.the equivalent dynamic load P exceeds basic dynamic load rating C by 8% or so), or the axial load exceeds the radial load by over 25% in the combined load.

$$na = f1 \cdot f2 \cdot n \quad \cdots\cdots\cdots\cdots\cdots\cdots \quad (1)$$

Where,
na: the corrected limit rotational speed, rpm
f1: the correction factor related to the loading condition (Figure 1)
f2: the correction factor related to the combined load (Figure 2)
n: the limit rotation speed under normal load conditions, rpm (see bearing dimension tables)
C: the basic dynamic load rating, N{kgf}
P: the equivalent dynamic load, N{kgf}
Fr: radial load, N{kgf}
Fa: axial load, N{kgf}

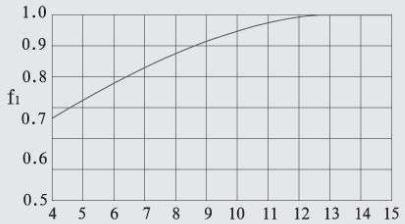


Figure 1: The correction factor fi relative to load condition

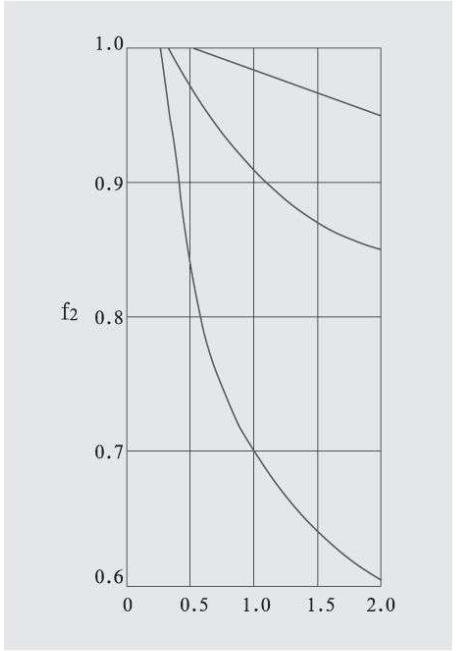


Figure 2: The correction factory f2 relative to the combined load

The limit rotation speed of ball bearings with seals

The limit rotation speed of the ball bearings with contact seals (RS type) is confined by the linear speed or the contact surface of the seals. The allowable linear speed depends on the rubber quality of seals.

Precautions for high-speed rotation

When the bearing rotates at high speed, especially at rotation speed approaching or exceeding the limit rotation speed given in the dimension tables, attention must be paid to the following issues:
(1). Apply precise bearings
(2). Analyze the internal clearance of the bearing (taking the reduction in internal clearance caused by temperature increase into consideration)
(3). Analyze the type of material of the cage (For high speed rotation, cages of copper alloy or PF resins are preferred. Cages of synthetic resigns are also workable.).
(4). Analyze the lubricating method (Circular lubrication, spurt lubrication, oil spray or gas lubrications are suitable for high-speed rotations.)

Friction

The friction factors of bearings (for reference)

In order to compare with the sliding bearings, the friction torque of rolling bearings can be calculated according to the bore diameter of the bearings:

$$M = \mu P \frac{d}{2}$$

Where,
M: Friction torque,mN.m {kgf.mm}
μ : friction factor (Table 1)
P: load of the bearing ,N {kgf}
d: nominal bore diameter of the bearing,mm
The friction factor μ is greatly influenced by the bearing type, load, rotation speed, lubrication and so on. The reference friction factor under normal stable rotational conditions is given in Table 1.

For sliding bearings, normally μ =0.01-0.02, sometimes 0.1-0.2.

Table 1
The friction factor μ for different bearings

Bearing type	Friction factor μ
Deep-groove ball bearings	0.0010–0.0015
Angular contact ball bearings	0.0012–0.0020
Self-aligning ball bearings Cylindrical roller bearings	0.0008–0.0012
Needle roller bearings with full complement	0.0025–0.0035
Caged needle roller bearings	0.0020–0.0030
Tapered roller bearings	0.0017–0.0025
Spherical roller bearings	0.0020–0.0025
Thrust ball bearings	0.0010–0.0015
Spherical roller thrust bearings	0.0020–0.0025

Fits of bearings

Purpose of fits

The purpose of fit is to make the inner ring or the outer ring fixed to the shaft or housing so that no bad circular slide shall happen on the fit surface.
The bad circular slide (called creep deformation) will bring about abnormal heat, scratches on the fit surface (hence making the ground iron power enter into the bearing), vibration and other problems, which cause the insufficient function of the bearing.
Therefore, since the bearing rotates with load, normally the rings must have interference fit so that they are fixed to the shaft or the house.

Dimension tolerances and fits of shaft and housing

The dimension tolerance of the metric shaft and housing bore have been standardized in the GB/T275-93． The fits of Rolling Bearings dimensional tolerances are available, we can define the fit of the bearing with the shaft or the housing.
The fit relations between the dimension tolerances of the shaft and housing bore and the bearings with PO class precision degree are given in Figure 1.

The selection of fit

The selection of fit is according to the following principles.
According to the direction and nature of applied load and which of the two rings rotates, the load carried by each of the rings can be divided into rotation load, static load or indeterminate direction load. The ring carring rotation load or indeterminate direction load should use static fit (interference fit), and the ring carrying static load should use transitional fit or dynamic fit (clearance fit).
If the bearing load is big or there is vibrating or shock load, the interference fit should be increased. When using hollow shaft, bearing box with thin wall or light alloy or plastic bearing box, the interference should also be increased.
If high rotation precision is required, the high precision bearing should be used, and the dimension precision of the shaft or bearing box should be increased to avoid much interference fit. If the interference is too big, the geometric precision of the shaft or bearing box shall affect the geometric shape of the bearing rings, and accordingly damage the bearing rotation precision.

If both inner ring and outer ring of non-separable bearing (such as deep groove ball bearing) adopt static fits, the mounting and dismounting of bearing is very inconvenient. It is better to adopt dynamic fit for inner ring or outer ring.

1) Effects of the load nature

According to its nature, bearing load can be divided into inner ring rotation load, outer ring rotation load and indeterminate direction load. The relations between them and the fit are shown in Figure 1.

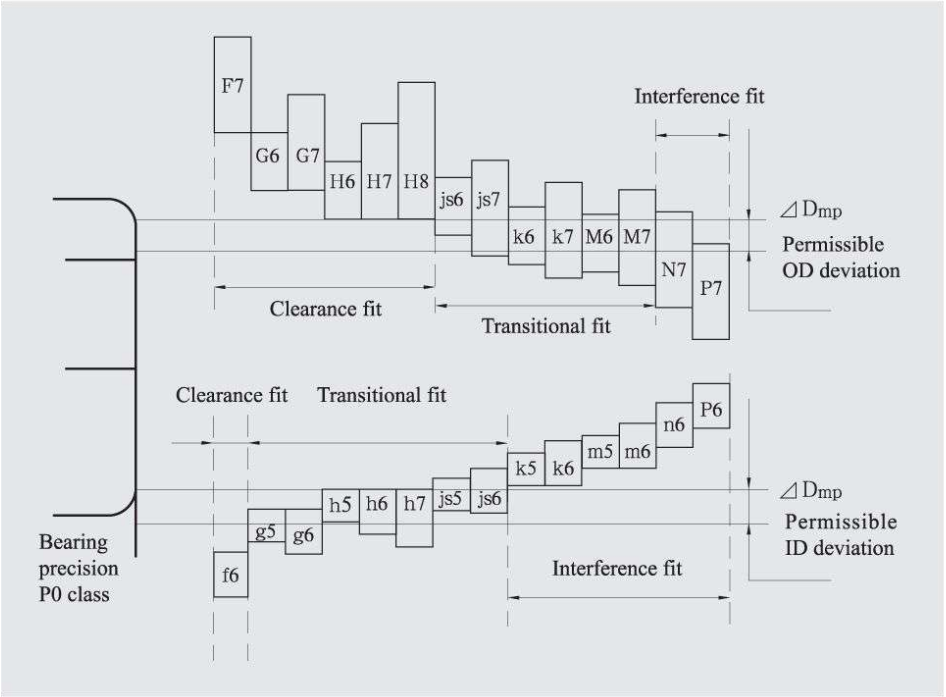
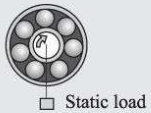
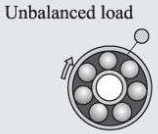
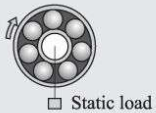
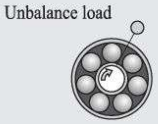


Figure1 Relations between dimension tolerances of shaft and housing bore and fit (bearings of PO class precision).

Table1. Nature of load and relations with fit

Bearing rotational conditions	Figure example	Nature of load	Fit choice
Inner ring: rotating Outer ring: static Direction of load: fixed		I.R. rotating load	I.R:. use static fit (interference fit)
Inner ring:: static Outer ring: rotating Direction of load: Rotating simultaneously with outer ring		O.R. static load	O.R.: use dynamic (clearance fit)
Inner ring: static Outer ring: rotating Direction of load: fixed		I.R. static load	I.R. use dynamic fit (clearance fit)
Inner ring: rotating Outer ring : static Direction of load: Rotating simultaneously with inner ring		O.R. rotating load	O.R. use static fit (interference fit)

2) Effects of load magnitude

For inner ring with radial load, it is both compressed and expanded in the radial direction, and the circumference tends to increase slightly, therefore the initial interference will decrease.

The amount of decrease can be calculated with the following formula:

[When $F_r \leqslant 0.25\ C_0$]

$$\triangle d_F = 0.08\sqrt{\frac{d}{B}\cdot F_r}\times 10^{-3} \quad \cdots\cdots (1)$$

[When $F_r > 0.25\ C_0$]

$$\triangle d_F = 0.02\ \frac{F_r}{B}\times 10^{-3} \quad \cdots\cdots (2)$$

Where,

△dF: a mount of decrease of the interference, mm

d: bearing nominal bore diameter, mm

B: nominal bore width, mm

Fr: radial load, N {kgf}

C0: basic static load rating, N{kgf}

Therefore, when the radial load is a heavy one (exceeding the value of Co by 25%), the fit must be tighter than with light load.
If there is the shock load, the fit must be even tighter.

3) Effects of the fit surface roughness

When taking the plastic deformation of the fit surface into consideration, the effective interference after fit is influenced by the processing quality of the fit surface. It can be approximately expressed with the following formula:

[ground shaft]

$$\triangle d_{eff} \fallingdotseq \frac{d}{d+2}\ \triangle d \quad \cdots\cdots (3)$$

[turned shaft]

$$\triangle d_{eff} \fallingdotseq \frac{d}{d+3}\ \triangle d \quad \cdots\cdots (4)$$

Where,

△deff: effective interference, mm

△d: apparent interference, mm

d: bearing nominal inner diameter, mm

4) Effects of temperature

Generally speaking, the bearing temperature in operation is higher than the surrounding temperature, and if the bearing rotates with load, the temperature of the inner ring is higher than that of the shaft, and the heat expansion shall reduce the effective interference.

Now assume the temperature difference between the inside of the bearing and the surrounding temperature of the housing is △t, we can presume that the temperature difference between the inner ring and the shaft on the fit surface is approximately (0.10~0.15)△t.

The reduced amount of interference caused by temperature change can be calculated with the following formula:

$$\triangle dt = (0.10\ \text{to}\ 0.15)\triangle t\cdot\alpha\cdot d \fallingdotseq 0.0015\triangle t\cdot d\times 10^{-3} \quad \cdots\cdots (5)$$

Where,

△dt: reduced amount of the interference caused by the temperature difference, mm

△t: temperature difference between that inside the bearing and the temperature surrounding housing,℃

a: linear expansion factor of bearing steel, (12.5 × 10-6)1/℃

d: bearing nominal inner diameter, mm

Therefore, when the temperature of the bearing is higher than that of the shaft, the fit must be very tight.

On the other hand, the interference between the outer ring and housing may increase due to the temperature difference or linear expansion factor difference. Hence it must be noted when considering using the slide in the fit surface between the outer ring and the housing to adapt to the expansion.

5) The maximum stress inside the bearing caused by the fit

When mounting the bearing with interference fit, the rings sometimes may expand or contact, bringing about stress.

If the stress is too big, the rings sometimes may break, to which attention must be paid.

The maximum stress inside the bearing caused by fit can be calculated with the formula in Table2. As the reference value, it is safe to let the maximum interference not exceed 1/1000 of the shaft radius, or the maximum stress should not exceed 120MPa{12kgf/mm2}.

6) Others

When a much higher accuracy is required, the precision level of the shaft and housing should be increased. Compared with shaft, it is more difficult to process the housing and the precision level is low. Therefore, the loosened fit between the shaft and the housing is recommended.

When using hollow shaft or thin wall-thickness, the fit must be higher than in normal.

When using two half housings, the fit with the outer ring must be loosened. For housing of cast aluminum or light alloy, the fit must be tighter than in normal.

Table2 the maximum stress inside the bearing caused by fit

Shaft and inner ring
(hollow shaft) $s=\frac{E}{2}\cdot\frac{\triangle d_{eff}}{d}\cdot\frac{\left[1-\frac{d_0^2}{d^2}\right]\left[1+\frac{d^2}{D_i^2}\right]}{\left[1-\frac{d_0^2}{D_i^2}\right]}$
(solid shaft) $s=\frac{E}{2}\cdot\frac{\triangle d_{eff}}{d}\cdot\left[1+\frac{d^2}{D_i^2}\right]$
Housing bore and outer ring
$(D_h\neq\infty)\quad s=E\cdot\frac{\triangle D_{eff}}{D}\cdot\frac{\left[1-\frac{D^2}{D_h^2}\right]}{\left[1-\frac{D_e^2}{D_h^2}\right]}$
$(D_h=\infty)\quad s=E\cdot\frac{\triangle D_{eff}}{D}$

Where

d: maximum stress, MPa{kgf/mm2}

d: nominal bore diameter (shaft diameter), mm

Di: inner ring raceway diameter, mm

Ball bearing·····Di=0.2(D+4d)

Roller bearing·····Di=0.25(D+3d)

△deff: effective interference of inner ring, mm

do: hollow shaft radius, mm

De: outer ring raceway diameter, mm

Ball bearing·····De=0.2.(4D+d)

Roller bearing·····De=0.25(3D+d)

D: bearing nominal outer diameter (housing bore diameter), mm

△Deff: effective interference of outer ring, mm

Dh: housing outer diameter

E: modulus of elasticity

2.08×10 MPa{21200 kgf/mm2}

Lubrication

Lubrication has important effects on the function of the bearing. Whether the lubricant and the method are suitable or not shall influence the bearing life. That is to say, the lubrication is a necessary condition to assure the normal operation of bearing and the lubrication plays an important role in improving load-carry capability and service life of bearing.

Purpose of lubrication

The purpose of bearing lubrication is to form a thin grease film on rolling or sliding surfaces in order to prevent the direct contact of the metals.

The function of lubrication:

Reducing the friction of metals and slow the wear.

The grease film formed expands the touching area and reduces the contacting stress.

Assure the rolling bearing can work normally under a high-frequency contact stress for a long time and elongates the bearing fatigue life.

Take away the heat generated by friction and reduce the temperature of bearing working surface in order to prevent burns.

Prevent the bearing from rust, dust and corrosion.

Methods of lubrication

The lubricating methods of rolling bearing include oil lubrication and grease lubrication.

Oil lubrication

Oil lubrication is applied to high-speed and heat-resistant bearings and is effective for reducing vibration and lowering noise.

Oil lubrication has the following methods:

1).Oil drip lubrication

Oil dirp lubrication can lubricate the bearing by dripping oil through the orifice of oil cup. The orifice of oil cup can be adjusted according to the magnitude of oil.

The advantage of lubrication method is the simple configuration and convenient use. But the viscidity degree of oil can not be too high. Or it can not go through smoothly and influence the lubrication effect.

2). Oil bath lubrication

Oil bath lubrication also can be called soak oil lubrication. A part of bearing is dipped into the lubricant and make sure that every rollers can be dipped into the lubricant when rolling the bearing. Then the lubricant with rollers can go around working parts of the bearing. Considering the churning waste and temperature increase, in order to slow down the aging of lubrication, oil bath lubrication should not be adopted when bearings at high rotate speed.

3) Splash lubrication

Splash lubrication is often adopted when rolling bearing works in closed gearing. It splashes the lubricant by using rotating parts, such as gear, swing oil plate and so on. The lubricant scatters on the bearing or flow into the rolling bearing through a designed oil sroove along the box wall to lubricate the rolling bearing. The used lubricant can mass again in the box for recycling. Since splash lubrication doesn't need any other accessorial equipment, it is normally adopted by the gearing with simple and compact configuration. But the following three points should be paid more attention when using splash lubrication:

(1). The of the lubricant should not be too much, or eles the wastage caused by oil churning will be overmuch. And it can also cause granule abrasion because of the sediment such as grinding scraps taken from oil pool to bearing part when churning oil.

(2). The lubricant in the box should be often kept clean. Magnetism adsorber should be used in the oil pool to clear away grinding scraps and eyewinker for reducing granule abrasion.

(3). When designing the configuration, an oil trough for storing and a throttle orifice towards bearing could be set up against box wall to make bearing in the similar situation where they are oil bath lubricated and dripping oil lubricated for supplying lubricant and preventing from the lack of oil.

4). Oil cycling lubrication

Oil cycling lubrication is a way of actively lubricating the part of rolling bearing. It pumps the lubricant from oil box using a lift pump and transmits the lubricant into the rolling bearing supporting through an oil pipe and an oil bore. Then the lubricant returns to the oil box through the orifice of the bearing housing for reusing after cooled and filtrated. Therefore, this method of lubrication can eliminate much more heat and simultaneously expel friction heat effectively. So it is applied to the bearing supporting with overload and high-speed rotation.

5). Oil jet lubrication

Oil jet lubrication is a kind of oil circulating lubrication. But in order to make the lubricant adequately enter into the inside relative motion surface of high-speed bearing and synchronously avoid overheating and overmuch friction due to the circulatory superfluous oil under the condition of high-speed rotation, a nozzle is mounted against the oil orifice of bearing support and augment the stress of oil supply to spurt oil onto the bearing by dint of the nozzle for bearing lubrication and cooling. Thus, oil jet lubrication is a favorable lubrication method mainly adopted in rolling bearings with high-speed rotation. It is also the same with the situation where the dmn of rolling bearings exceeds 2000000mm r/min. The oil pump stress of oil jet lubrication is about 3~5 bar. For overcoming and avoiding

clinging effect under the condition of high speed, what have to be done is to make sure that the speed of oil spurting from oil orifice is twenty percent larger than that of linear velocity of rolling bearing.

6). Oil mist lubrication

Oil mist lubrication is a kind of micro-lubricating. It meets the lubricating demand of rolling bearing with a spot of lubricant. Oil mist lubrication is to lubricate bearing with the oil mist that converted from lubricating oil in the oil mist generator. Actually, rolling bearing still keep the status of sparse lubricating since oil mist coagulate into oil drippings on the working surface of the rolling bearing. To avoid overmuch of oil supply and increase working temperaturel caused by the augment of friction inside the oil, oil mist lubrication is normally adopted when the linear velocity of roller is quite high. Generally, the stress of oil mist is around 0.05~0.1bar. But the following two points should be paid much attention when adopt this lubrication method:

(1). The viscosity degree of lubricant should not exceeds 340mm2/s (40℃) because exorbitant viscosity degree can not bring the effect of atomization.

(2). The oil mist after lubricating may spread with air partially and result in environmental pollution. The oil mist should be collected using oil-gas separator if necessary or eliminated by aerator.

7). Oil air lubrication

Transmit little oil to the constringent airflow inside the pipe every third moment or so using stopcock ration distributor to form a continuous flowing of oil against the wall of the pipe for supplying to bearing. The oil won't aging because of the new lubricant coming continuously.

Compressing the air can make the impurity outside not to break into the inside of bearing easily.

The little oil supplying can reduce the pollution to surrounding environment. Oil air lubrication use less oil than oil mist lubrication and has well stability, small friction moment, slowly temperature increasing. It is especially applied to high speed bearing.

Grease lubrication

Grease lubrication used inside the bearing can last a comparatively long time without replenishment, and the sealing device is very simple. Therefore, it is extensively applied.

There are two methods for grease lubrication: one is to fill grease inside the sealed bearings in advance. The other is to fill the grease of certain amount inside the housing and refill it or change the grease at intervals.

Moreover, for machines with several bearings requiried lubrication, the method of centralized greasing through pipes connecting the places to be lubricated is adopted.

The effect of grease lubrication is to put the grease onto every motional surface of rolling bearing directly. But when lubricating the raceway of rolling bearing and sliding surface, the principle below must be followed:

(1). To lubricate bearings adequately, the grease should impenetrate to the working surface and the interspace of bearing.

(2). Some of grease should be hold on the working surface of rolling bearings and last for a period of time. But overmuch loss of grease by flowing away should be prevented.

(3). The flowing direction of inputting and venting of grease should according to the seal for it is propitious to the venting of contamination.

(4). Reduce the amount of grease at full steam when making sure well lubricated.

(5). Set up an exit at the end of flowing direction of grease in order to the new grease can jostle the old one thereby making sure the bearings are well lubricated.

The selection principle of lubricant oil

From the invalidation instance of oil lubricated rolling bearing, we can see most of invalidations are caused by the low viscidity degree of lubricant. The lower viscidity degree of lubricant is, the smaller carrying capacity of oil film owns and the easier oil film breaks reswlted the metal material connect each other directly when doing relative motions inside the rolling bearing which shortened the bearing life for the increase of friction and abrasion or the burn and rupture accident occurs. But if the viscidity degree is overmuch, it can cause the increase of friction. So the quantity of heat increases when churning the lubricant, that is to say, the consumed energy of the system will increase. On the other hand, for working under the condition of high-speed, high load and high temperature, the rolling bearing may have special demand of antirust, antioxidant, wearability and the increase of lubricant adsorbability. Therefore, for selecting lubricant, it is mainly to ensure the viscidity degree and additive kind or different lubricant with some additive.

The following is a general principle for selecting lubricant:

(1) Operating temperature

Operating temperature influences the viscidity degree of lubricant and the lubricating effect.

So, when the operating temperature is lower, the low viscidity degree of lubricant should be selected; when the operating temperature is higher, the high viscidity degree of lubricant orthe lubricant with proper additive should beselected. For different temperature of surrounding, the viscidity degree of selected lubricant should varies synchronously. For example, much lower viscidity of degree lubricant should be selected when lubricating bearings in north area or winter than that of in south area or summer. When the operating temperature varies frequently, the lubricant with excellent viscidity temperature quality should be selected.

Namely, the viscidity degree of lubricant doesn't change a lot when the operating temperature ascending or descending to ensure the thickness of oil film in a certain range steadily.

(2) Motion Velocity

The higher rotation speed, the lower viscosity of lubricating oil should be selected, to avoid moving resistance and producing more heat. On the contrary, under the situation of the lower rotation speed, using the higher viscosity will be beneficial to improve the ability of load for bearings.

(3) Velocity Characteristic

In motion, there are pounding, vibration, frequent changes of load and speed, and starting. Stop motion, rolling back frequent and intercourse or intermittence moving, they are not beneficial to form the oil film. Sometimes, would rather adopt lubricating grease, even the solid lubricating, to make sure the reliable lubrication.

(4) Loading

The bigger load of rolling bearings, the higher viscosity, the better oiliness and extreme-pressure of lubricating oil should be selected, to avoid squeezing the lubricating oil from friction pair, or producing the direct contact of metal .

(5) Structure feature

The smaller roller bearing radial clearance is, the higher friction surface process precision, the lower the viscosity of oil lubrication.

(6) Circumstance condition

When the bearing works under the condition of moisture corrosive gas, lower temperature,

dust, radiation, the oil lubrication is easy to be polluted. Choosing the oil lubrication has feature of wearability, anti-corrosion, cold-resistant, anti-radiate. When the circumstance is water pollution, latex ejection, moisture or heavy dust, don't choose the oil lubrication but the grease lubrication.

(7) The precision of the bearing

When the friction surface is crudity, generally, the high viscosity of oil lubrication should be selected so that it can carry part pressure owing to the mal of contacting, but when the precision of motion friction is high, the low viscosity of lubricant should be chosen to reduce the unnecessary waste of energy and increase of temperature.

(8) Bearing hardness

When the hardness of bearing motion friction surface is low, the high viscidity degree of lubricant should be selected and the amount of oil should be rich. Contrarily, the viscidity degree of lubricant could be reduced.

The selection of grease

Grease is made by thickener, additive and base oil. Base oil shares 70-95%, thickener 30-50% and a dram of additive. The method of choosing grease and oil is the same. Different grease has different type, base oil viscosity and cone degree. We can chose different types, base oil viscosity and cone degree grease according to the working condition, for example the circumstance darkness, working temperature, speed parameter dmn, load and the way of lubrication. Meanwhile, we should consider about other points as below:

1) The dropping point of the grease should be 20-30 higher than the working temperature to assure the lubricating effect.

2) Grease can not be used as circulation lube, because the grease flowability is bad, friction drag is big, the torque efficiency is low and the heat conduction modulus is less. When the grease is used as dry oil for the concentrating lubrication, the cone degree should be above 300 (1/10mm).

3) For the grease will not be changed with normal temperature, but suitable for the different loads and high rotation speed, so mostly the grease are used in machine which is with high different temperature and speed or with reverse and intermission movement. And they can also used in the agriculture, architecture , mine field machine and so on.

4) Grease put inside the bearings are not easy to loose or be extruded, and needn't to be changed regularly. For these advantages they are easy way for seal and they can seal themselves. The grease are mostly suitable for some special place which are better not to put in oil regularly, install complicated seal, and the place which can't be contaminated by the grease as well as high dust environment.

The feature of grease normally used:

Appellation	Brand No.	Titration temperature ℃ not lower than	Cone degree 1/10mm	Operating temperature range ℃	Characteristic and primary purpose
General lithium radicle grease	1 2 3	170 175 180	310～340 265～295 220～250	-20～120	Having anti-water and mechanical security. Normally used in the rolling and sliding part of machinery equipment. Grease is often adopted when lubricating rolling bearings.
Electrode tension lithium grease	0 1 2	170	355～385 316～340 265～295	-20～120	Having well mechanical security, anti-water, anti-permeating, electrode tension, wearability, the speciality of pump transmit. Normally used in the lubrication of heavy load machinery equipment, gear and bearings.
Calcium radicle grease	1	80	310～340	Temperature<55	Often used in the bearing lubrication with small load and self-supporting lubricating. Also print-sized machine in the lower temperature area.
	2	85	265～295		Be applied to medium-size and print-sized rolling bearing and the friction part of small load, high-speed machine in equipment with the temperature within 55℃.
	3	90	220～250		Medium motor rolling bearings, motor and friction part of medium load and medium rotating speed machine with the temperature below 60℃.
	4	95	175～205		Adopted by automotive water pump bearing, heavy load automatic machine bearing and other heavy load, low-speed machinery with the temperature below 60℃.
Calcium-sodium radicle grease	ZGN-1 ZGN-2	120 135	250～290 200～240	80～100	Dissolving-resistant, water-resistant, with temperature 80～100℃ (can not be used under low temperature). Railway engine, train, small size motor and dynamo as well as other high-temperature bearings.

Bearing Applications

Precautions

Compared with normal mechanical parts, rolling bearings have high precision levels, and attention must be paid to their applications:
1) Keep the bearing and its surrounding room clean.
2) Apply the bearings carefully.
Carelessness may cause strong shock to the bearing and may lead to scratches and breaks to the bearing.
3) Use appropriate tools.
4) Pay attention to prevention from rusting.
The bearings should not be used in moist places. Gloves should be worn to prevent the sweat drops adhere to the bearing.
5) The operators must know bearings well.
6) Application instructions must be formulated for correct usage of the bearings.
The bearing preservation
The washing of the bearing and surroundings
Inspection on the mounting dimensions and the processing quality
Mounting operation
Inspection after mounting
Dismounting operation
Maintenance (regular inspection)
Replenishment of lubricate

Bearing preservation

The bearings are painted with rust-preventive oil and wrapped up with rust-preventive paper. The quality of the bearing can be ensured when the packaging is kept in good condition.

It is recommended that the bearings are kept under air moist of 65% and in temperature 20°C and on shelves of 30cm above the ground for long time storage. Besides, the storage should avoid direct sunshine and cold walls.

For the bearings with seals or shields, the characteristics of grease will be degraded after a long time storage. The bearings should be protected free of pollution and corrosion after they are taken out of original package.
The large size bearings should be placed horizontally and the whole side face of bearings shall be supported. If the bearings have a small thickness and are placed vertically, the weight of rings and rolling elements shall result in permanent bearing deformation.

Bearing mounting

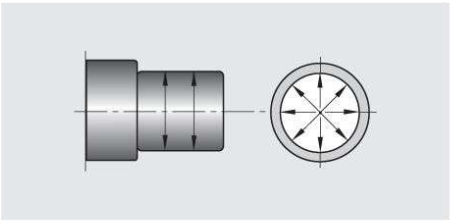
1. Preparation of the bearings
1.1 The ambient of bearing mounting
The mounting of bearing shall be done in dry and dust free room as possible and mounting work also shall be away from the equipments with metalworking or generating metal debris and dust. When the mounting must be done without any protections happens to (large size bearings always experience), proper measures must be taken to prevent the bearings from dust and humid air until the mounting is finished.

1.2 Preparation of the bearings
Do not open the packaging of the bearing until mounting operation since the bearing has received rust-prevention handling and been properly packaged. In addition, the rust-preventive on the bearing is a good lubricant, for bearings of general applications or filled with lubricating grease, there is no need of washing before using the bearings. But for bearings applied to instruments or rotating at high speed, washing with cleaning oil should be used to rid the bearings of the rust-preventive oil. In this case, the bearings may easily become rusty, therefore they should not be kept for a long time.

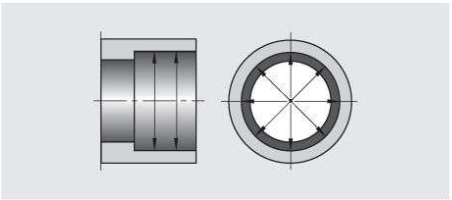
1.3 The preparation of mounting tools
The mounting tools should be made from wood or light metal and the materials, which can generate chips, shall be avoided to use. The mounting tools shall be kept clean.

1.4 The inspections on the shaft and housing
Wash the shaft and the housing to ensure that there are no burs or scratches from machining. In no way should there be grinding agents (SiC, Al2O3 and so on), foundry sand or smear metal. Then check if the dimensions, shape and processing quality of the shaft and housing are in conformity with the drawings.
As shown in Figure 1 and 2, measuring should be done at several places. Also it is necessary to inspect the dimensions of the fillet and the verticality of the abutment. Before mounting, lubricate the qualified shaft and housing on all the fit surfaces.

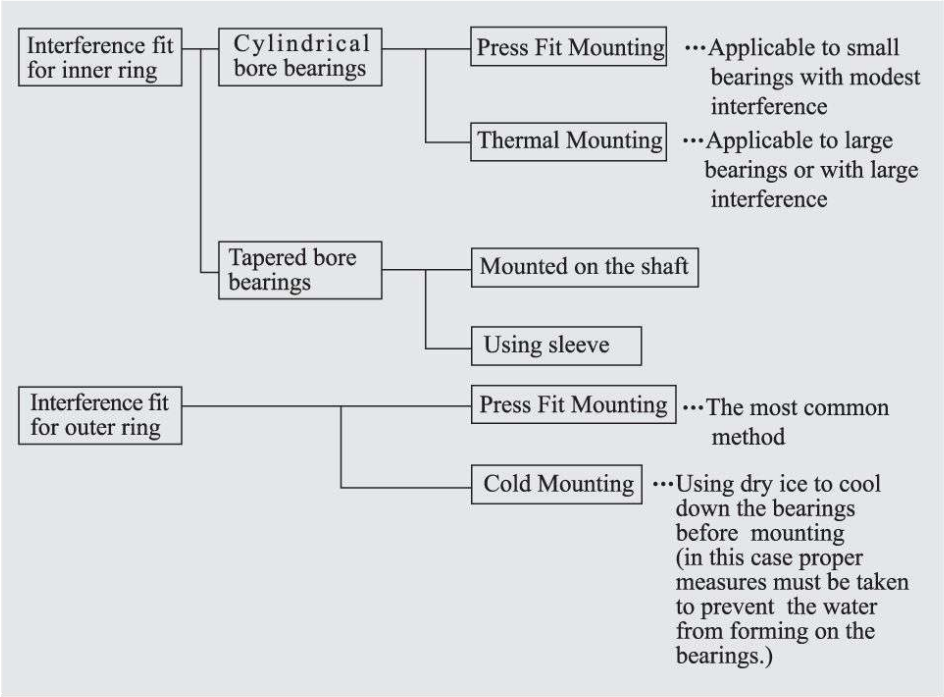
Picture 1 The measuring position of the shaft diameter



Picture 2 The measuring position of housing bore diameter



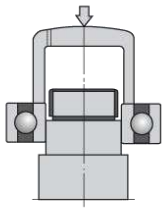
2. Classification of bearing mounting method
The mounting methods vary with the bearing types and fit conditions. Since in most cases it is the shaft that rotates, the inner ring and outer ring can use interference fit and clearance fit respectively. When the outer ring rotates, the interference fit should be used for it. The mounting methods can include the following types when using interference fit, the details of which are shown in the following Table.



3. The mounting of cylindrical bore bearing

3.1 Press fit mounting

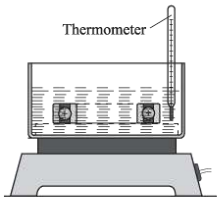
Hydraulic press is normally used, sometimes nuts and screws are also employed. Hammers can be used also when absolutely needed.



When the inner ring of the bearing is interference fit and need to be mounted on shaft, the pressure shall be applied on the inner ring. When the outer ring of bearing is interference fit and need to be mounted in housing, the pressure shall be applied on the outer ring. When both inner ring and outer ring is interference fit, a shim plate must be used to make sure pressure applied on both inner ring and outer ring simultaneously.

3.2 Thermal mounting

This method heats the bearings to make it expand and then mounts the bearing on the shaft. It can prevent the bearing from being affected by unnecessary external forces and finish the mounting within very short time. The heating methods mainly are oil bath and induction.



Heating by oil bath

The advantage of electric induction heating:

1) Clear, no pollution
2) Timing, constant temperature
3) Easy operation

When bearing is heated to the expected temperature (below 120℃), take it out and then mount it on the shaft quickly. Bearing will shrink along with cooling. Sometimes, the gap will occur between shaft shoulder and bearing end face, therefore the bearing should be pushed by tools towards shaft shoulder.

Due to the pre-lubricating grease or seal material has limitation with temperature, the heating temperature of the shielded or sealed bearing can not surpass 80℃ and also such bearings can not be heated by oil bath. Make sure temperature is distributed uniformly when heating the bearings and no overheated position.

4. The mounting of tapered bore bearing

Most of the tapered bore bearings are mounted with interference fit of inner ring. Tapered bore bearing can be directly mounted to tapered shaft or to cylindrical shaft through adapter sleeve and withdrawal sleeve.

Interference degree is defined by checking clearance decreased volume or the axial displacement of the inner ring on tapered shaft. On certain circumstances, it also can be defined by testing lock angle of the locknut or the expansion volume of inner ring.

As for the tapered bore bearing, when the inner ring is pressed on the tapered shaft, adapter sleeve or withdrawal sleeve, interference degree will be increased and the radial clearance will be decreased. The interference degree can be defined through checking the decreased volume.

4.1 Measure of the decreased clearance volume

The measure method of using feeler gauge to check the radial clearance before and after mounting is only suitable for medium size and extra large size bearings. The measured clearance must be at the position between the unloaded rollers and the raceway of outer ring. Before measuring, running the outer ring for several revolutions, and make sure the central lines of the outer ring and roller group are overlapped.

In the first measure, feeler gauge should has a measuring value lower than the minimum value of the clearance, and then choose a thicker feeler gauge to measure the clearance for several times till feeler gauge meets resistance in the following situation when being moved.

Before mounting----measuring place is between outer ring and the highest roller;

After mounting-----measuring place is between inner ring (outer ring) and the lowest roller, according to different cages.

5. The mounting of outer ring

When mounting the outer ring to bearing box with interference fit, for the small size bearing, the outer ring can be pressed in normal temperature. When interference is big, the outer ring can be pressed through heating bearing box

or cooling outer ring. When applying the dry ice or other refrigerant, the moisture in the air will agglomerate on the bearing, it is a must to take the anti-rust measures.

The dismounting of bearing

Dismounting of bearing is necessary for purposes of regular check and replacement of parts. Normally, the bearing shall be further used, as well as the shaft and bearing box. Therefore, dismounting must be considered during design in order to not damage bearing, shaft, bearing box or other parts. Tools for dismounting must be properly prepared. When dismounting the rings with static fit, the withdrawal force can only be applied to the said ring and should not work on the rings through rolling elements.

The dismounting tools of bearing

The most proper dismounting tool for bearing is press machine. When it is applied, it is necessary to check if the axial lines of lift part of press machine and the dismounted bearing are perpendicular with each other. In addition, there are some other simple manual dismounting tools for bearings and they are also useful and convenient.

The dismounting method of cylindrical bore bearing

As for non-separable bearing, it should be dismounted firstly from the looser fit position (it is usual the fit between outer ring and housing bore diameter), then pressed it out from the tight fit position by press machine.

Provided the dismounted bearings would be used once again, it is not allowed to pass the dismounting force through rolling elements. Otherwise the rolling elements and raceway of ring will be damaged.

The dismounting of tapered bore bearing

The medium size and small size bearings mounted on the tapered shaft neck can be easily dismounted through pulling the inner ring with normal puller. If applying the automatical aligning puller, damage on the shaft neck can be avoided when pulling out the bearing.

The bearings dismounted from the tapered shaft neck become loose in short time; therefore, certain equipment should be added to prevent the bearings dropping from the shaft.

The medium size and small size bearings, which are mounted on the cylindrical vertical shaft with adapter sleeve, can be dismounted firstly to loosen the nut, and then strike the side of bearing through punch in hammer.

The medium size and small size bearings, which lean against the supporting ring on multi-diameter shaft fitted with adapter sleeve, can be dismounted by striking the smaller end face of adapter through a special made sleeve in hammer. In addition, the nut should be loosened firstly.

It is a simple and practical method to dismount the large size bearings on the adapter sleeve by the hydraulic nut, but the bearing should be leaned against a supporting ring. Filling oil is a more simple way to dismount, but the adapter sleeve must have oil raceway and oil slot. When dismounting the bearings on the withdrawal sleeve, it is a must to dismount some axial lock equipment firstly, such as locknut, end cap. As for the medium size and small size bearings, they can be dismounted by locknut, hook type wrench or punch wrench.

Bearing maintenance

Regular maintenance (regular check) must be carried out to ensure the play of the functions within a long time period.

Regular check is very important to improvethe productivity and economy by finding the trouble or problem before such occurrence.

Washing

Make appearance records of the bearings by photo before dismounting and check.

In addition, determine the amount of lubricant left inside the bearing and analyze the lubricant by sampling before washing the bearing.

The bearing can be washed roughly or carefully, and a metal net or rack can be used in the bottom of container.

For rough washing, use a brush in the oil to clean away the lubricant or any adhesive. Rotating the bearing at this moment may damage the bearing surface due to the foreign matter inside.

For careful washing, rotate the bearing in the oil slowly and carefully.

The normally used cleaning agent is of neural nature, without water, diesel oil or kerosene. Sometimes lukewarm alkali liquid is used upon necessity.

Filtering of the cleaning agent is required to keep clean no matter which agent is used. Paint immediately the rust-preventing oil or grease on the bearing after washing.

Check and make judgement

In order to judge whether the dismounted bearing can be reused or not, the dimensional precision, rotational precision, internal clearance should be especially checked, as well as the interference fit surface, raceway surface, rolling surface, cage and seals and so on. Concerning the results of such checks, please consult the bearing specialist for judgement.
The criteria for judgement vary with the mechanical functions and importance and the regularities of the checks. Replacement of the bearing must be done in case of the following damages:
There are cracks or defects on the bearing parts
There are peelings-off from the raceways or the rolling surface.

Identification of bearing problems

It is important for improvement in productivity and economy to identify or predict if there areany problems or troubles inside the bearing without dismounting it for check purposes.

The main identification methods are as the following:

1) Identification through sound
Rich experience is required to identify the bearing problems or troubles by listening to the sound of the bearing. Much training in this respect is entailed to tell the sound of the bearing or that of other parts.
It is recommended that a special worker should be responsible for this job. The sound of the bearings can be heard clearly when putting a stethoscope or the rod on the housing.

2) Identification through working temperature
This method uses comparisons, and is applied only in cases without big changes when the bearing is rotating. Therefore, continuous records of the temperature must be kept.
The temperature not only increases but also presents irregular changes in case of trouble.
It is preferred to use these two methods together.

3) Identification through the status of the lubricant
Identify the trouble by taking samples of the lubricant and analyzing the dirty level and if there is any foreign matter or metal particles inside.
This method is especially effective for bearings that can not be approached for inspection or the large bearings.

Bearing damages and solutions

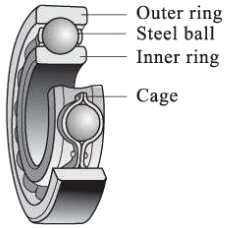
There is no method to view directly when the bearing is operating, but it can be known abnormity by the status of noise, vibration, temperature and lubricant. Typical bearing injury examples are listed in following table:

Item	Appearances	Possible reasons	Solutions
Peeling off	Peeling off and deformation of the rotational surface	Too heavy load or improper applications Mal-mounting Poor precision of the shaft or bearing box Clearance too small Intrusion of foreign matter Rusting Hardness decrease caused by a bnormal high temperature	Re-consider the application condition Consider other bearing specifications Re-consider the clearance Check the processing precision of the shaft and the bearing box Consider the surrounding design Check the mounting method Check the lubricant and lubricating method
Burns	Overheat color varying, then burning, leading to failure to rotate	Clearance too small (including clearance for the deforming part) Insufficient lubrication or inappropriate lubricant Load too heavy (pre-load too heavy) Skewing rollers	Choose proper clearance (increasing clearance) Check lubricant type and ensu the amount Check application condition Avoid positioning error Check surrounding design (including the heat to bearings) Improve the mounting method
Cracks	Partial breach and even cracks	Too big shock load Interference too heavy Big peeling off and frictional cracks Poor precision of the mounting side (corner circle too big) Frictional cracks Mal-applications (using copper hammer, intrusion of big foreign matter)	Check the application condition Set proper interference and check material quality Improve mounting and application method Prevent frictional cracks (check lubricants) Check bearing surrounding design
Cage damage	Loosening or broken rivet Broken cage	Too big torque load High speed rotation or speed changing frequent Poor lubrication Intrusion of foreign matter Yoo big vibration Bad mounting (mounting in leaning condition) Abnormal increase in temperature (resin cage)	Check application conditions Check lubrication conditions Re-consider choice of cage Pay attention to application Consider rigidity of the shaft and the bearing box
Scratches	Rough surface with small deposit Scratches between the flanges of rings and the side surfaces of the rollers	Poor lubrication Intrusion of foreign matter Skewing rollers caused by leaning Too big axial load leading to no lubricant on flange surface Bad surface roughness Big sliding of the rolling elements	Re-consider lubricant and lubricating method Check application method Set proper pre-load Reinforce the sealing function Use bearings correctly
Rusting corrosion	Rusting on all or part of the surface Rust on rolling elements in pitch shape	Poor maintenance Improper packaging Insufficient rust-preventive Intrusion of moist acid liquid Taking the bearing by hands	Maintenance to prevent rusting Reinforcing the sealing function Check the lubricant regularly Pay attention to bearing application
Corrosion	Red corroded particles in the fit surface	Insufficient amount of interference Small bearing oscillating angle Insufficient lubrication (or without lubrication) Not stable load Vibration in the transit	Check the interference and the condition of the lubricant Separable packing of inner rings and outer rings when in transit, pre-load shall prevail if the bearings are un-separable Re-consider choice of lubricant Re-consider choice of bearings
Wear	Surface worn, with scratches and traces leading to dimension changes	Foreign matters in the lubricant Poor lubrication Rollers skewing	Check lubricant and lubrication method Reinforce sealing function Prevent positioning error
Electric corrosion	Crater-like pits on the rolling surface and to be corrugation shape	Electrical current in the rolling surface	Use current by-pass value Adopt insulation to avoid current passing through inside of the bearing
Dent and bruise	Intrusion of solid foreign matter or pits in the surface caused by shock or scratches from mounting	Solid foreign matter intrusion Peels inside the bearing Shock from mal-mounting Peeling off Mounting in learning conditions	Improve mounting and application methods Prevent foreign matter from intruding Check other parts if caused by metal pieces
Creep deformation	Slippery ID surface and OD surface leading to mirror surface and sometimes blocking	Insufficient interference at the fit surface Sleeve not fastened enough Abnormal increase in temperature Too heavy load	Re-consider the interference amount Consider the application condition Check precision of shaft and bearing box

Deep Groove Ball Bearing

Product Characteristics

Deep groove ball bearing consists of four basic parts, which are an inner raceway (inner ring), an outer raceway (outer ring), steel balls and a cage. With normal rotation, inner raceway, outer raceway and steel balls accommodate the load while the cage plays a role in separating the balls and keeping stable. Single-row deep groove ball bearing has a simple structure, non-split inner ring and outer ring and easy to be used so it is widely used in machinery industry such as precision meter, low noise electric motor, automobile, motorcycle, woodworker, transmission shaft of textile machinery, mining machinery, electromechanical equipments, plastic machinery, office equipments, medical equipments, fitness equipments, national defense industry, aeronautic industry, aerospace industry, excise equipments and other general machinery.



(Deep groove ball bearing)

Single-row deep groove ball bearing is mainly used for accommodating radial load and certain axial load. When this bearing is given a larger radial clearance, this bearing will have a feature as radial thrust bearing to carry larger axial load and also can limit the axial movement in two direction. Different clearances allow a relative misalignment of inner ring and outer ring ranging from 8' to 16'.

Types of bearing

WSW manufactures following categories of deep groove ball bearing currently:

- Single-row deep groove ball bearing
- Single-row deep groove ball bearing with shield(s)
- Single-row deep groove ball bearing with seal(s)
- Single-row deep groove ball bearing with snap groove or snap ring on the outer ring

Single-row deep groove ball bearing is used for the applications without special requirements for mounting, sealing and interface.

Single-row deep groove ball bearing with shield(s) is used for the applications with difficulties in lubricating and checking lubrication or special situations. There is gap between shield(s) and inner ring. Single-row deep groove ball bearing with two shields has been filled with lubricant when manufacturing, so it is unnecessary to wash and fill lubricant before mounting. It is also unnecessary to add lubricant within lubricating period during operating.

Single-row deep groove ball bearing with seal(s) has a seal or seals with steel frame. The seal is contact type and has a more superior waterproof property than single-row deep groove ball bearing with shield(s). However, the rotation speed of this bearing is lower than single-row deep groove ball bearing with shield (s) due to the larger friction force.

Single-row deep groove ball bearing with snap groove or snap ring on the outer ring simplifies the mounting in housing as a result of positioning with snap ring in axial direction.

Dimension scope

The basic dimensions of deep groove ball bearing manufactured by **WSW** are listed in the dimension table.

Dimension range of bore diameter: 10mm~1320mm
Dimension range of outer diameter: 30mm ~1600mm
Dimension range of overall width: 9mm ~300mm

Tolerance

The standard tolerance of deep groove ball bearing manufactured by **WSW** is Normal class, which conforms to GB307.1. Please refer to tolerance value listed in the table of preface pages.

Radial Clearance

The standard internal clearances of deep groove ball bearing manufactured by **WSW** are C2, normal (C0), C3, C4 and C5, which conforms to GB4604. Please refer to radial clearances listed in the table of preface pages. The values are available for the bearings before mounting or without load.
The bearings with internal clearance large or lower than standard values also can be developed.

Cage

Deep groove ball bearing has stamped steel cageor solid brass cage. When outer diameter is lower than 400mm, stamped steel cage is adoptedwithout suffix after basic bearing number. When outer diameter is larger than 400mm, solid brass cage is adopted without suffix after basic bearing number.

Allowable Angle Error

Deep groove ball bearing allows different relative misalignments of inner ring with outer ring by radial clearance as follows:

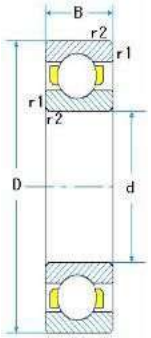
Radial clearance	Allowable angle error
Normal	8'
C 3	12'
C 4	16'

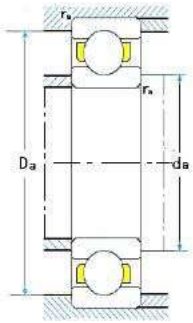
Dynamic Equivalent Load:
P=XFr+YFa [KN]
Where,
Fr: Radial load KN
Fa: Axial load KN

$\frac{Fa}{Co}$	Normal					C3					C4				
	$\frac{Fa}{Fr} \leqslant e$		$\frac{Fa}{Fr} > e$		e	$\frac{Fa}{Fr} \leqslant e$		$\frac{Fa}{Fr} > e$		e	$\frac{Fa}{Fr} \leqslant e$		$\frac{Fa}{Fr} > e$		e
	X	Y	X	Y		X	Y	X	Y		X	Y	X	Y	
0.025	1	0	0.56	2.0	0.22	1	0	0.46	1.74	0.31	1	0	0.44	1.42	0.39
0.04	1	0	0.56	1.8	0.24	1	0	0.46	1.61	0.33	1	0	0.44	1.36	0.41
0.07	1	0	0.56	1.6	0.27	1	0	0.46	1.46	0.36	1	0	0.44	1.27	0.44
0.13	1	0	0.56	1.4	0.31	1	0	0.46	1.30	0.41	1	0	0.44	1.17	0.46
0.25	1	0	0.56	1.2	0.37	1	0	0.46	1.14	0.47	1	0	0.44	1.05	0.53
0.5	1	0	0.56	1.0	0.44	1	0	0.46	1.00	0.54	1	0	0.44	1.00	0.56

Static Equivalent Load:
P0=Fr [KN] Fa/Fr≥0.8
P0=0.6Fr+0.5 FaFa [KN] Fa/Fr>0.8

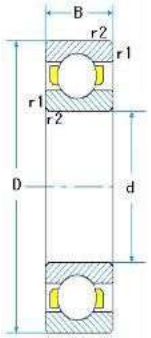
Deep Groove Ball Bearing

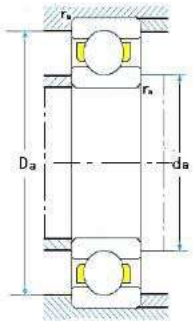




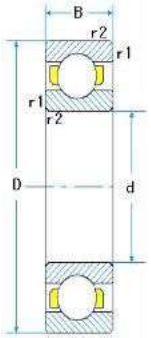
基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
100	140	20	1.1	42	41	4500	5300	61920M	1000920H	106	133	1	16	0.96
	150	24	1.5	60	54	4500	5300	6020M	120H	108	142	1.5	16	1.40
	180	28	2.5	89	92	3400	4000		720	108	142	2	15	2.70
	180	34	2.1	122	93	3400	4000	6220M	220H	111	169	2	14	4.08
	215	47	3.0	173	141	3000	3600	6320	320K	113	202	2.5	13	7.01
	215	47	3.0	173	141	3000	3600	6320M	320H	113	202	2.5	13	8.89
	250	58	4.0	224	195	2600	3400	6420M	420H	116	234	3	12	15.4
105	160	26	2.0	72.5	66	4000	4800	6021M	121H	114	151	2	16	1.92
	190	36	2.1	133	105	3200	3800	6221	221	116	179	2	14	3.66
	225	49	3.0	184	154	2800	3400	6321	321	118	212	2.5	13	8.25
110	140	16	1.0	28.1	26	4300	5000	61822	1000822	115	135	1	14	0.60
	150	20	1.1	43	45	4000	4800	61922	1000922	117	144	1	17	0.90
	170	19	1.0	57	57	3800	4500	16022	7000122	115	165	1	16	1.45
	170	28	2.0	82	73	3800	4500	6022M	122H	119	161	2	16	2.72
	170	28	2.0	82	73	3800	4500	6022	122	119	161	2	16	2.09
	200	38	2.1	144	117	3000	3600	6222M	222H	121	189	2	14	5.45
	240	50	3.0	205	179	2600	3200	6322	322	123	227	2.5	13	9.49
	280	65	4.0	267	226	2200	3000	6422M	422H	156	265	3	13	19.0
120	165	22	1.1	53	54	3600	4300	61924M	1000924H	127	158	1	17	1.54
	180	19	1.0	60	64	3400	4000	16024M	7000124H	125	175	1	17	1.82
	180	28	2.0	88	80	3400	4000	6024M	124H	129	171	2	16	2.68
	215	40	2.1	145	118	2800	3400	6224M	224H	131	204	2	14	6.33
	215	40	2.1	145	118	2800	3400	6224	224	131	204	2	14	5.26
	260	55	3.0	208	186	2400	3000	6324	324K	133	247	2.5	13	12.2
130	180	24	1.5	65	67	3400	4000	61926M	1000926H	138	172	1.5	16	1.92
	190	19	1.0	43	60	3400	4000		726H	134	186	0.7	16	1.91
	200	22	1.1	76	80	3200	3800	16026M	7000126H	136	193	1	16	2.32
	200	33	2.0	106	101	3200	3800	6026M	126H	139	191	2	16	3.96

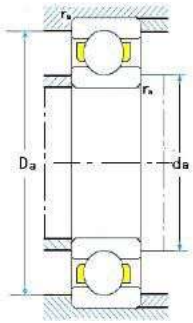
Deep Groove Ball Bearing



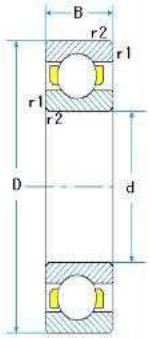


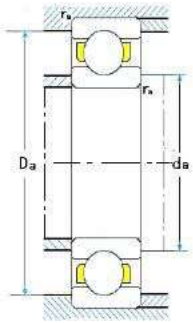
基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号					
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
130	230	40	3.0	167	146	2600	3200	6226M	226H	143	217	2.5	15	7.62
	280	58	4.0	228	214	2200	2800	6326M	326H	146	264	3	14	18.3
140	175	18	1.1	39	48	3400	4000	61828M	1000828H	148	165	1	16	0.93
	190	24	1.5	66	72	3200	3800	61928MA	1000928H	148	182	1.5	17	1.7
	210	22	1.1	78	83	3000	3600	16028M	7000128H	148	203	1	17	3.08
	210	33	2.0	110	109	3000	3600	6028M	128H	149	201	2	16	3.89
	210	33	2.0	110	109	3000	3600	6028	128	149	201	2	16	3.25
	250	42	3.0	166	150	2400	3000	6228M	228H	153	237	2.5	15	9.44
	300	62	4.0	253	246	2000	2600	6328M	328H	156	284	3	14	22.0
150	190	20	1.1	48	59	3000	3600	61830MA	1000830H	157	183	1	17	1.4
	210	28	2.0	85	91	2800	3400	61930	1000930	159	201	2	16	3.05
	225	24	1.1	84	98.5	2600	3200	16030M	7000130H	156	218	1	16	3.63
	225	35	2.1	128	126	2600	3200	6030M	130H	161	214	2	16	5.01
	224.5	35	2.1	128	126	2600	3200	6030X1M		161	214	2	16	4.98
	270	45	3.0	176	168	2000	2600	6230M	230H	163	257	2.5	15	11.8
	320	65	4.0	274	284	1900	2400	6330M	330H	166	304	3	14	26.0
160	200	20	1.1	48.4	61	2800	3400	61832MA	1000832H	167	193	1	17	1.45
	220	28	2.0	87	96	2600	3200	61932MA	1000932H	169	211	2	16	3.25
	240	25	1.5	99	108	2400	3000	16032M	7000132H	168	232	1.5	17	4.61
	240	38	2.1	136	135	2400	3000	6032M	132H	171	229	2	16	6.41
	240	38	2.1	136	135	2400	3000	6032	132	171	229	2	16	5.63
	290	48	3.0	200	200	1900	2400	6232M	232H	173	277	2.5	15	14.9
	340	68	4.0	300	323	1800	2200	6332M	332H	176	324	3	14	31.9
165	250.5	35	2.5	125	156	2200	2600		733H	177	238	2	16	6.44
170	215	22	1.1	60	78	2600	3200	61834M	1000834H	177	209	1	17	1.87



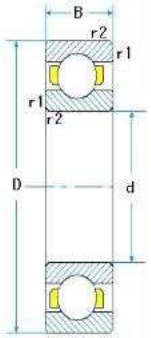


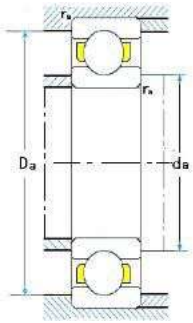
基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号					
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
170	230	28	2.0	89	100	2400	3000	61934MA	1000934H	179	221	2	17	5.19
	230	38	2.0	89	100	2400	3000		734H	179	221	1.5	16	4.40
	260	28	1.5	119	129	2200	2800	16034M	7000134H	178	252	1.5	16	5.83
	260	42	2.5	161	170	2200	2800	6034M	134H	189	244	2	16	8.23
	260	42	2.5	161	170	2200	2800	6034	134	189	244	2	16	6.78
	265	42	2.5	161	170	2200	2800	6034M/YAI	134KH	189	245	2	16	8.60
	310	52	4.0	212	224	1900	2400	6234M	234H	186	294	3	15	18.4
	360	72	4.0	312	340	1700	2000	6334M	334H	186	344	3	14	34.9
180	225	22	1.1	61	79	2400	3000	61836MA	1000836H	187	218	1	17	2.00
	250	33	2.0	119	128	2200	2800	61936MA	1000936H	189	241	2	16	5.27
	259.5	33	2.7	140	146	2200	2800		736KH	193	247	2.5	16	6.01
	259.5	52	2.7	140	146	2200	2800	63936X2M	736H	193	247	2.5	16	8.66
	280	31	2.0	145	157	2000	2600	16036M	7000136H	189	271	2	16	7.5
	280	46	2.1	180	185	2000	2600	6036M	136H	199	263	2	16	10.7
	280	46	2.1	180	185	2000	2600	6036	136	199	263	2	16	8.83
	320	52	4.0	227	241	1800	2200	6236M	236H	204	297	3	15	17.8
190	380	75	4.0	355	405	1700	2000	6336M	336H	204	356	3	14	43.1
	240	24	1.5	73	94	2200	2800	61838MA	1000838H	202	227	1.5	17	2.60
	260	33	2.0	113	127	2200	2800	61938MA	1000938H	207	245	2	17	5.25
	269.5	33	2.0	127	138	2200	2800	61938X1M	738H	190	260	2	16	6.87
	290	31	2.0	149	168	2000	2600	16038M	7000138H	207	275	2	16	8.11
	290	46	2.1	188	201	2000	2600	6038M	138H	210	273	2	16	11.1
	289.5	46	2.1	188	201	2000	2600	6038X1M	138KH	210	273	2	16	11.1
	290	46	2.1	188	201	2000	2600	6038	138	210	273	2	16	9.58
	340	55	4.0	255	282	1700	2000	6238M	238H	215	317	3	15	23.0
200	340	55	4.0	255	282	1700	2000	6238	238	215	317	3	15	18.9
	230	22	1.0	55	80	2400	3000	6640M-2		207	226	0.7	16	1.51





基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
200	250	24	1.5	74	98	2200	2800	61840MA	1000840H	212	237	1.5	17	2.70
	250	33	1.5	110	140	2200	2800	6640M-1		214	245	1.5	16	3.92
	280	38	2.1	143	158	2000	2600	61940MA	1000940H	220	263	2	16	7.40
	279.5	38	2.1	143	158	2000	2600	61940X1M-1	740H	220	263	2	16	7.25
	289.5	38	2.1	163	180	1900	2400	61940X1M-2	840H	211	279.5	2	16	8.70
	310	34	2.0	168	190	1900	2400	16040M	7000140H	218	294	2	16	10.0
	310	51	2.1	216	245	1900	2400	6040M	140H	220	293	2	16	14.4
	309.5	51	2.1	216	245	1900	2400	6040X1M		220	293	2	16	14.3
	360	58	4.0	269	310	1700	2000	6240M	240H	225	337	3	15	26.7
	360	58	4.0	269	310	1700	2000	6240	240	225	337	3	15	22.6
	420	80	5.0	380	445	1500	1800	6340	340H	229	392	4	14	55.3
220	270	24	1.5	77	107	1900	2400	61844MA	1000844H	232	256	1.5	17	3.05
	300	25	1.5	82.2	118	1900	2400	60944MA		228	292	1.5	17	5.0
	300	38	2.1	146	169	1900	2400	61944MA	1000944H	241	283	2	17	7.96
	300	60	2.1	136	162	1900	2400	63944M	944H	241	283	2	16	11.7
	309.5	38	3.0	151	180	1900	2400	61944X1M	744H	231	298	2	17	9.3
	340	37	2.1	180	217	1800	2200	16044M	7000144H	241	322	2	16	13.4
	340	56	3.0	245	293	1800	2200	6044M	144H	243	320	2.5	16	18.8
	400	65	4.0	310	375	1500	1800	6244M	244H	246	376	3	15	37.4
	460	88	5.0	410	520	1300	1600	6344	344H	250	431	4	14	73.9
230	329.5	40	2.1	190	228	1800	2200	61946X3M	746H	241	318	2	16	11.6
240	300	28	2.0	99	137	1800	2200	61848MA	1000848H	251	309	2	17	4.50
	320	38	2.1	154	190	1800	2200	61948MA	1000948H	262	302	2	17	8.57
	360	37	2.1	196	243	1700	2000	16048MA	7000148H	262	342	2	17	14.5
	359.5	56	3.0	244	296	1700	2000	6048X1M	748H	264	340	2.5	16	20.7
	360	56	3.0	244	296	1700	2000	6048M	148H	264	340	2.5	16	20.7
	440	72	4.0	340	430	1300	1600	6248	248H	267	415	3	15	51.0
	500	95	5.0	470	625	1100	1400	6348	348H	271	470	4	14	92.5

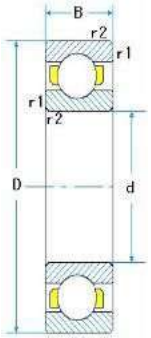


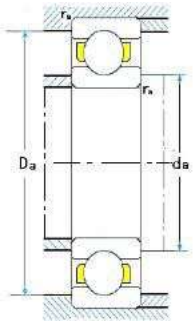


基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
260	320	28	2.0	101	148	1700	2000	61852MA	1000852H	274	304	2	17	5.23
	360	46	2.1	204	255	1600	1900	61952M	1000952H	282	342	2	16	14.5
	369.5	46	2.1	212	270	1600	1900	61952X1M-2	952H	271	358.5	2	16	16.5
	370	46	2.1	212	270	1600	1900	61952X1M-1	752KH	271	358.5	2	16	16.6
	369.5	60	4.7	224	288	1600	1900	62952X1M-1	752H	271	358.5	2	16	19.5
	379.5	60	4.7	253	320	1600	1900	62952X1M-2	852H	288	356	3	16	22.0
	400	44	3.0	237	310	1500	1800	16052MA	7000152H	284	379	2.5	16	21.5
	400	46	3.0	237	310	1500	1800	6052X2M		284	379	2.5	16	32.2
	400	65	4.0	291	375	1500	1800	6052M	152H	288	376	3	16	29.4
	399.5	65	4.0	291	375	1500	1800	6052X1M	152KH	288	376	3	16	28.8
	480	80	5.0	400	540	1100	1400	6252	252H	292	450	4	15	67.0
	540	102	6.0	505	710	1000	1300	6352	352H	298	503	5	15	118
280	350	33	2.0	133	191	1600	1900	61856M	1000856H	301	334	2	17	7.89
	375	65	2.1	187	265	1500	1800	62956X3M	956H	302	357	2	17	16.2
	380	46	2.1	209	272	1500	1800	61956MA	1000956H	303	361	2	17	15.6
	389.5	46	4.0	216	285	1500	1800	61956X1M-2	756KH	291	378.5	2	17	17.6
	390	46	4.0	216	285	1500	1800	61956X1M-1	756H	291	378.5	2	17	17.6
	420	44	3.0	243	330	1400	1700	16056	7000156H	305	398	2.5	17	23.0
	420	65	4.0	300	410	1400	1700	6056	156H	308	395	3	16	32.2
	500	80	5.0	400	550	1100	1400	6256	256H	312	470	4	15	71.0
	580	108	6.0	570	840	950	1200	6356	356H	319	542	5	15	140
300	380	38	2.1	166	233	1400	1700	61860MA	1000860H	324	361	2	17	10.4
	420	56	3.0	270	375	1300	1600	61960	1000960H	326	398	2.5	16	24.5
	419.5	56	3.0	270	375	1300	1600	61960X1	1000960KH	326	398	2.5	16	20.6
	460	50	4.0	285	405	1200	1500	16060	7000160H	329	435	3	16	32.0
	460	68	4.0	256	474	1200	1500	6060X2	160K1H	329	435	3	16	49.0
	460	74	4.0	355	500	1200	1500	6060	160H	329	435	3	16	45.0
	459.5	74	4.0	355	500	1200	1500	6060X1	160KH	329	435	3	16	45.0

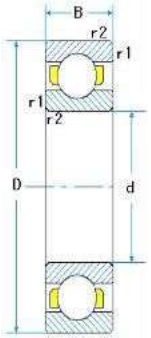
Deep Groove Ball Bearing

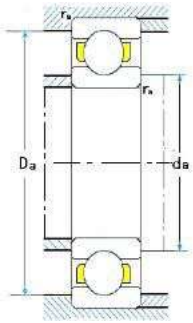
WSW



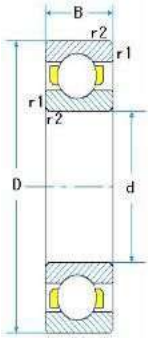


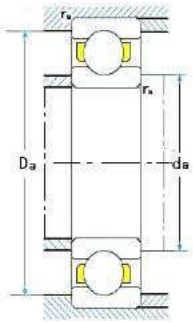
基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
300	540	85	5.0	465	670	1000	1300	6260	260H	333	509	4	15	87.8
320	400	38	2.1	168	244	1300	1600	61864MA	1000864H	331	389	2	17	11.0
	440	56	3.0	266	375	1200	1500	61964	1000964H	333	427	2.5	17	25.7
	440	65	4.0	278	390	1200	1500	62964X2	764H	333	427	2.5	17	27.5
	480	50	4.0	293	430	1100	1400	16064	7000164H	336	464	3	17	34.0
	480	74	4.0	390	570	1100	1400	6064	164H	350	454	3	16	46.0
	580	92	5.0	530	805	950	1200	6264	264H	354	548	4	15	110
340	420	38	2.1	175	265	1200	1500	61868	1000868H	358	400	2	17	11.6
	460	56	3.0	280	425	1100	1400	61968	1000968H	368	438	2.5	17	27.1
	480	60	4.0	290	430	1100	1400		768H	356	464	3	17	36.0
	520	57	4.0	345	520	1000	1300	16068	7000168H	356	504	3	16	45.0
	520	82	5.0	440	660	1000	1300	6068	168H	375	490	4	16	62.0
	620	92	6.0	530	820	900	1100	6268	268H	368	592	5	15	110
360	440	38	2.1	192	290	1100	1400	61872	1000872H	377	420	2	17	12.0
	480	56	3.0	280	425	1100	1400	61972	1000972H	388	457	2.5	17	29.3
	540	57	4.0	365	585	1000	1300	16072	7000172H	376	524	3	16	49.0
	540	82	5.0	460	720	1000	1300	6072	172H	396	509	4	16	64.7
	650	95	6.0	555	905	900	1100	6272	272H	402	611	5	15	145
380	480	46	2.1	238	375	1000	1300	61876	1000876H	407	459	2	17	19.5
	520	65	4.0	325	510	1000	1300	61976	1000976H	412	493	3	17	40.0
	560	57	4.0	375	620	950	1200	16076	7000176H	394.6	545.4	3	17	51.0
	560	82	5.0	455	725	950	1200	6076	176H	416	529	4	16	68.5
400	500	46	2.1	241	390	1000	1300	61880	1000880H	428	479	2	17	20.5
	540	65	4.0	335	540	950	1200	61980	1000980H	433	513	3	17	42.0
	600	90	5.0	510	825	900	1100	6080	180H	437	568	4	16	90.5
420	520	46	2.1	245	410	950	1200	61884	1000884H	449	498	2	17	21.5
	560	65	4.0	340	570	900	1100	61984	1000984H	454	533	3	17	43.0
	620	90	5.0	530	895	900	1100	6084	184	458	588	4	16	91.5





基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors	质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
440	540	46	2.1	249	425	900	1100	61888	1000888H	470	518	2	17	21.4
	600	74	4.0	395	680	900	1100	61988	1000988H	475	512	3	17	60.2
	650	94	6.0	550	965	850	1000	6088F1	188W1	485	611	5	16	105
460	580	56	3.0	310	550	900	1100	61892	1000892H	492	555	2.5	17	33.2
	620	74	4.0	405	720	850	1000	61992	1000992H	496	591	3	17	68.3
	680	100	6.0	605	1080	800	950	6092F1	192W1	506	640	5	16	120
480	600	56	3.0	315	575	850	1000	61896	1000896H	513	575	2.5	17	35.4
	650	78	5.0	450	815	800	950	61996	1000996H	520	617	4	17	80.0
	700	100	6.0	605	1090	750	900	6096F1	196W1	527	660	5	16	125
500	620	56	3.0	332	620	800	950	618/500F1	10008/500	534	594	2.5	17	37.2
	670	78	5.0	460	865	750	900	619/500F1	10009/500	541	637	4	17	77.0
	720	100	6.0	630	1170	750	900	60/500F1	1/500	548	680	5	16	131
530	650	56	3.0	325	625	750	900	618/530F1	10008/530	565	624	2.5	17	39.5
	710	82	5.0	455	870	700	850	619/530F1	10009/530	572	676	4	17	89.8
	780	112	6.0	680	1300	670	800	60/530F1		579	738	5	16	184
560	680	56	3.0	330	650	700	850	618/560F1	10008/560	596	653	2.5	17	41.5
	750	85	5.0	525	1040	670	800	619/560F1	10009/560	604	715	4	17	105
	820	115	6.0	663	1470	630	750	60/560F1		586	794	5	16	210
600	730	60	3.0	355	735	670	800	618/600F1	10008/600	638	702	2.5	18	50.9
	800	90	5.0	550	1160	630	750	619/600F1	10009/600	645	764	4	17	120
	819	90	5.0	590	1200	630	750	B600-17/HC		665	806		17	135.4
	870	118	6.0	790	1640	600	700	60/600F1		652	827	5	16	236
630	780	69	4.0	420	890	630	750	618/630F1	10008/630	672	748	3	17	71.3
	850	100	6.0	625	1350	600	700	619/630F1	10009/630	683	807	5	17	163
	920	128	7.5	750	1620	560	670	60/630F1		689	870	6	16	285
670	820	69	4.0	435	965	560	670	618/670F1	10008/670	714	787	3	17	75.4
	900	103	6.0	675	1460	530	630	619/670F1	10009/670	724	856	5	17	181
	980	136	7.5	765	1730	500	600	60/670F1		731	929	6	17	351





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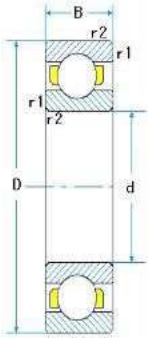
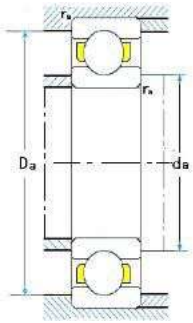
						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
710	870	74	4.0	480	1100	530	630	618/710F1	10008/710	756	836	3	17	92.6
	950	106	6.0	715	1640	500	600	619/710F1	10009/710	766	905	5	17	208
	1030	140	7.5	1020	2310	480	560	60/710F1		772	978	6	16	386
750	920	78	5.0	525	1260	500	600	618/750F1	10008/750	801	882	4	17	110
	1000	112	6.0	785	1840	480	560	619/750F1	10009/750	808	954	5	17	245
	1090	150	7.5	995	2360	450	530	60/750F1		783	1057	6	16	485
800	980	82	5.0	530	1310	450	530	618/700F1	10008/800	853	940	4	17	132
	1060	115	6.0	825	2050	430	500	619/800F1	10009/800	860	1013	5	17	275
	1150	155	7.5	1010	2550	400	480	60/800F1		826	1054	5	16	540
850	1030	82	5.0	559	1430	430	500	618/850F1	10008/850	870	1010	4	17	140
	1120	118	6.0	832	2160	400	480	619/850F1	10009/850	876	1094	5	17	310
	1220	165	7.5	1120	2900	360	430	60/850F1		883	1187	6	16	630
900	1090	85	5.0	618	1600	380	450	618/900F1	10008/900	920	1070	4	18	160
	1180	122	6.0	852	2280	380	430	619/900F1	10009/900	926	1154	5	17	350
	1280	170	7.5	1140	3100	340	400	60/900F1		933	1247	6	17	720
950	1150	90	5.0	637	1730	360	430	618/950F1	10008/950	970	1130	4	18	190
	1250	132	7.5	1010	2800	340	400	619/950F1	10009/950	983	1217	6	17	390
	1360	180	7.5	1170	3250	320	380	60/950F1		983	1327	6	17	860
1000	1220	100	6.0	637	1800	340	400	618/1000F1	10008/1000	1026	1194	5	17	245
	1320	140	7.5	1010	2800	320	380	619/1000F1	10009/1000	1033	1287	6	17	515
	1420	185	7.5	1350	3900	280	340	60/1000F1		1033	1387	6	17	930
1060	1280	100	6.0	728	2120	300	360	618/1060F1	10008/1060	1086	1254	5	18	260
	1400	150	7.5	1010	3000	280	340	619/1060F1	10009/1060	1093	1367	6	17	620
	1500	195	9.5	1350	3900	260	320	60/1060F1		1100	1460	8	17	1080
1120	1360	106	6.0	741	2200			618/1120F1	10008/1120	1146	1334	5	18	315
	1460	150	7.5	1040	3100			619/1120F1	10009/1120	1153	1427	6	17	650
	1580	200	9.5	1460	4400			60/1120F1		1160	1540	8	17	1250
1180	1420	106	6.0	710	2580			618/1180F1	10008/1180	1206	1394	5	16	310





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						脂润滑	油润滑	新代号	旧代号					参考
d	D	B	r 1、2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	ra max	fo	Refer.
1180	1420	106/166	6.0	890	3650			D 1 11 F1 [1]					16	450
	1540	160	7.5	1140	3600			619/1180F1	10009/1180	1213	1507	6	17	775
1250	1500	112	6.0	852	2750			618/1250F1	10008/1250	1276	1474	5	18	385
1320	1600	122	6.0	956	3150			618/1320F1	10008/1320	1346	1574	5	18	500
	1720	128	7.5	1210	4050			619/1320F1	10009/1320	1353	1687	6	17	830
1400	1700	132	7.5	1120	4000			618/1400F1	10008/1400	1433	1667	6	18	615
	1820	185	9.5	1590	5500			619/1400F1	10009/1400	1440	1780	8	17	1250
1500	1820	140	7.5	1210	4400			618/1500F1	10008/1500	1533	1787	6	18	745
	1950	195	9.5	1720	6100			619/1500F1	10009/1500	1540	1910	8	17	1500
1600	1950	155	7.5	1270	4800			618/1600F1	10008/1600	1633	1917	6	18	965
1600	2060	200	9.5	1860	6950			619/1600F1	10009/1600	1640	2020	8	17	1650
1700	2060	160	7.5	1270	4900			618/1700F1	10008/1700	1733	2070	6	18	1100
	2180	212	9.5	1990	7650			619/1700F1	10009/1700	1740	2140	8	17	1950

1) D618/1180F1 为剖分式深沟球轴承.

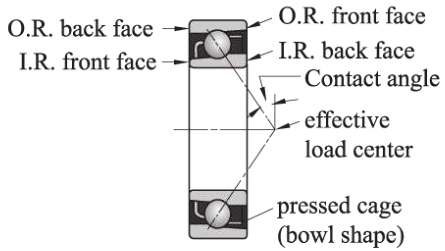
Single Row Angular Contact Ball Bearing and Paired Double Row Angular

Product Characteristics

Single-row angular contact ball bearing consists of a outer ring, a inner ring, one-row balls and a cage. This bearing can carry radial load and axial load simultaneously, even pure axial load operating with higher rotation speed. However, this bearing only can carries axial load in one direction. When this bearing carry radial load, an additional axial force will occur and can only limit the axial movement of shaft and housing in one direction. Although this bearing only can carry axial load in one direction, yet it can be mounted with the other bearing carrying a load in contrary direction. If paire mounted, make the end faces of outer rings of two bearings face to face, i.e. wide end face to wide end face (DB type) and narrow end face to narrow end face (DF type). This arrangement can avoid the occurrence of additional axial force and limit the movement of shaft and housing within axial end play of bearing in two directions.

Single-row angular contact ball bearing has more balls than that of deep groove ball bearing with the same boundary dimensions and therefore this kind of bearing has the highest load rating among ball bearings, strong rigidity and steadily operation. The radial clearance can be adjusted by the relative movement of the inner ring and the outer ring. The rigidity of system can be improved by pre-interference amount generated by placing several bearings in tandem arrangement. Angular contact ball bearing can not be separated and has poor self-aligning property.

The contact angle of this bearing is not zero. The contact angle of single-row angular contact ball bearing can be 15° 、25° 、 30° or 40° . Contact angle determines how big radial load and axial load the bearing can carry. The bigger the contact angle is, the bigger axial load is. But the smaller contact angle is positive to high speed rotation.



Single-row angular contact ball bearing doesn't have clearance. Internal clearance can only be achieved through stack mounting. According to applications, stack-mounting bearings are preloaded or have pre-clearance. The internal clearance of preloaded stack mounting bearings is zero or negative. This bearing is often used on main shaft of machine tool to improve the rigidity and rotation precision of main shaft. The clearance or preload of matched pair bearing has been set in **WSW** and it is unnecessary for customers to adjust. The width tolerance and end face projection of an individual single-row angular contact ball bearings is produced as per normal class so these bearings can not be stack-mounted in random.

WSW also can produce universal stack mounting angular-contact ball bearings with DB, DF or in tandem arrangement. The universal stack mounting bearings have two types, which are preloaded or have pre-clearance. Except universal stack mounting bearings, all individual bearings of other kinds of stack mounting bearings are not interchangeable.

This bearing is most used in applications with high rotation speed, high precision and small axial load such as main shaft of airplane motor, main shaft of machine tool and other main shafts of high speed and precision machinery. It is also used on high frequency motor, gas turbine, oil pump, air compressor, printing machines etc. It's a most widely used bearing in machinery industry.

Types of bearing

WSW can manufacture four types of angular contact ball bearing:

- Single-row angular contact ball bearing

  7000C、7000AC、7000A 、7000B

- Stack mounting angular contact ball bearing

Face to Face(DB)、Back to Back(DF)、Tandem(DT)、Triplet

- Double-row angular contact ball bearing

Two-raceway inner ring and two outer rings

Two-raceway outer ring and two inner rings

Two outer rings and two inner rings

- Four-point contact ball bearing

QJ0000、QJF0000

Single-row angular contact ball bearing and stack mounting angular contact ball bearing

In order to improve the rigidity and load-carry property, the same angular contact ball bearings are often stack mounted in twosome (DB, DF, DT), triplet (TBT, TFT, TT), quaternion (QBC, QFC, QT) and even quintuplet (PBC, PFC, PT, PBT, PFT). For twosome bearings, the type of matched pair can be back to back (DB), face to face (DF) or tandem (DT).

Stack mounting bearings in DB type is suitable for carrying individual or combined radial load and axial load. These bearings can also carry axial loads in two direction and have, larger tilting moment and strong rigidity. These bearings can be preloaded properly according to working conditions.

While Stack mounting bearings in DF type only can carry smaller tilting moment and provide inferior system rigidity. But the advantage of these bearings is not sensible to concentricity error of bearing housing.

Stack mounting bearings in tandem arrangement only can carry a larger axial load in one direction. In most occasions, these bearings need to be preloaded by spring and the preload value is associated with the value of radial load and bearing rigidity.

Stack mounting bearings have two types, which are preloaded or have pre-clearance.

Preload type:

GA-- Light preload

GB-- Moderate preload

GC-- Heavy preload

Pre-clearance:

CA-- Small axial clearance

CB-- Moderate axial clearance

CC-- Large axial clearance

Preload

The preload value of DB or DF pair matched bearings is listed in the below table:

Contact angle 15°

ID Code	(B)71900C			(B)7000C			(B)7200C		
	A	B	C	A	B	C	A	B	C
00	10	20	40	15	30	60	20	40	80
01	10	20	40	15	30	60	20	40	80
02	15	30	60	20	40	80	30	60	120
03	15	30	60	25	50	100	35	70	140
04	25	50	100	35	70	140	45	90	180
05	25	50	100	35	70	140	50	100	200
06	25	50	100	50	100	200	90	180	360
07	35	70	140	60	120	240	120	240	480
08	45	90	180	60	120	240	150	300	600
09	50	100	200	110	220	440	160	320	640
10	50	100	200	110	220	440	170	340	680
11	70	140	280	150	300	600	210	420	840
12	70	140	280	150	300	600	250	500	1000
13	80	160	320	160	320	640	290	580	1160
14	130	260	520	200	400	800	300	600	1200
15	130	260	520	200	400	800	310	620	1240
16	140	280	560	240	480	960	370	740	1480
17	170	340	680	250	500	1000	370	740	1480
18	180	360	720	300	600	1200	480	960	1920
19	190	380	760	310	620	1240	520	1040	2080
20	230	460	920	310	620	1240	590	1180	2360
21	230	460	920	360	720	1440	650	1300	2600
22	230	460	920	420	840	1680	670	1340	2680
24	290	580	1160	430	860	1720	750	1500	3000
26	350	700	1400	560	1120	2240	800	1600	3200
28	360	720	1440	570	1140	2280			
30	470	940	1880	650	1300	2600			
32	490	980	1960	730	1460	2920			
34	500	1000	2000	800	1600	3200			
36	630	1260	2520	900	1800	3600			
38	640	1280	2560	950	1900	3800			
40	800	1600	3200	1100	2200	4400			
44	850	1700	3400	1250	2500	5000			
48	-	-	-	1300	2600	5200			

Contact angle25° 、Contact angle40°

ID Code	(B)71900C			(B)7000AC			(B)7200AC			7200B、7300B		
	A	B	C	A	B	C	A	B	C	A	B	C
00	15	30	60	25	50	100	35	70	140	80	330	660
01	15	30	60	25	50	100	35	70	140	80	330	660
02	25	50	100	30	60	120	45	90	180	80	330	660
03	25	50	100	40	80	160	60	120	240	80	330	660
04	35	70	140	50	100	200	70	140	280	120	480	970
05	40	80	160	60	120	240	80	160	320	120	480	970
06	40	80	160	90	180	360	150	300	600	120	480	970
07	60	120	240	90	180	360	190	380	760	160	630	1280
08	70	140	280	100	200	400	240	480	960	160	630	1280
09	80	160	320	170	340	680	260	520	1040	160	630	1280
10	80	160	320	180	360	720	260	520	1040	160	630	1280
11	120	240	480	230	460	920	330	660	1320	380	1500	3050
12	120	240	480	240	480	960	400	800	1600	380	1500	3050
13	120	240	480	240	480	960	450	900	1800	380	1500	3050
14	200	400	800	300	600	1200	480	960	1920	380	1500	3050
15	210	420	840	310	620	1240	500	1000	2000	380	1500	3050
16	220	440	880	390	780	1560	580	1160	2320	380	1500	3050
17	270	540	1080	400	800	1600	600	1200	2400	410	1600	3250
18	280	560	1120	460	920	1840	750	1500	3000	410	1600	3250
19	290	580	1160	480	960	1920	850	1700	3400	410	1600	3250
20	360	720	1440	500	1000	2000	950	1900	3800	410	1600	3250
21	360	720	1440	560	1120	2240	1000	2000	4000	410	1600	3250
22	370	740	1480	650	1300	2600	1050	2100	4200	410	1600	3250
24	450	900	1800	690	1380	2760	1200	2400	4800	410	1600	3250
26	540	1080	2160	900	1800	3600	1250	2500	5000	540	2150	4300
28	560	1120	2240	900	1800	3600				540	2150	4300
30	740	1480	2960	1000	2000	4000				540	2150	4300
32	800	1600	3200	1150	2300	4600				540	2150	4300
34	800	1600	3200	1250	2500	5000				540	2150	4300
36	1000	2000	4000	1450	2900	5800				540	2150	4300
38	1000	2000	4000	1450	2900	5800				940	3700	7500
40	1250	2500	5000	1750	3500	7000				940	3700	7500
44	1300	2600	5200	2000	4000	8000				940	3700	7500
48				2050	4100	8200				940	3700	7500

For stacking mounting bearings, preload value is the product of following coefficient with the preload value of DB or DF matched pair bearings.

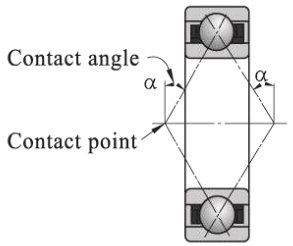
Stack mounting type		Coefficient
TBT	TFT	1.35
QBT	QFT	1.60
QBC	QFC	2
DBT	DFT	1.75
PBC	PFC	2.45

Pre-clearance

Axial clearance in micron of 7200B series and 7300B series pair matched bearing

d mm		CA		CB		CC	
Over	Up to	min	max	min	max	min	max
-	10	4	12	14	22	22	30
10	18	5	13	15	23	24	32
18	30	7	15	18	26	32	40
30	50	9	17	22	30	40	48
50	80	11	23	26	38	48	60
80	120	14	26	32	44	55	67
120	180	17	29	35	47	62	74
180	250	21	37	45	61	74	90

Four-point contact ball bearing



Four-point contact ball bearing is a Single-row angular contact ball bearing and can be separated. The ball and raceway contact at four points and contact angle is 35° This bearing can carry radial load and axial load in any direction or combined radial and axial loads. This bearing can limit the axial movement of shaft and housing in two direction within axial clearance. In comparison to other bearings, when they have the same radial clearance, this bearing has small axial clearance, carries larger loads and has high limit speed. Axial clearance is listed in the table of preface page.

This bearing is mainly used for carrying axial load and in most applications; this bearing is mounted in bearing box being used as thrust bearing. Except for normal four-point contact ball bearings, there are other four-point contact ball bearings with a suffix of N2. The outer ring of this bearing has two locating slots, which is convenient for locating and preventing from the rotation of outer ring.

Double-row angular contact ball Bearing

● Two-raceway inner ring and two outer rings 0000/DC type

This bearing has a contact angle of 40° , which is used to carrying radial load, axial load and the combination of them. This bearing is used on the component to limit axial movement of shaft or housing. It has high limit speed.

● Two-raceway outer ring and two inner rings 0000D type

The old designation is 86000 type. This bearing has a contact angle of 45° 、 or 26° 、 32° and 40° .in special occasions. This bearing is used to carry larger radial load, axial load or the combination of them. This bearing is used on the component to limit axial movement of shaft or housing. It has high limit speed.

● Two-raceway outer rings and two-raceway inner rings 0000 and 000A

The old designation is 56000 type. This bearing has a contact angle of 30° , 26° or 35° in special occasions. This bearing has a similar structure with DB pair matched angular-contact ball bearings but the width is smaller. This bearing can carry larger combined axial load and radial load, or axial load in any direction and larger tilting moment. This bearing is used on the component to limit axial movement of shaft or housing. It has high limit speed. Generally, this bearing has a filling slot at one side. The cage is brass. If a bearing with a suffix TN, the material of cage is nylon and there is no filling slot on rings.

Dimension range:

The following dimension data table is about the basic dimensions of **WSW** angular contact ball bearing,

Single-row angular contact ball bearing

Dimension range of bore diameter: 25mm～1180mm

Dimension range of outer diameter: 62mm～1420mm

Dimension range of overall width: 16mm～106mm

Matched pair angular contact ball bearing

Dimension range of bore diameter: 30mm～1320mm

Dimension range of outer diameter: 62mm ～1600mm

Dimension range of overall width: 32mm ～244mm

Double-row angular contact ball Bearing

Dimension range of bore diameter: 35mm～320mm

Dimension range of outer diameter: 72mm～460mm

Dimension range of overall width: 27mm～160mm

Four-point contact ball bearing

Dimension range of bore diameter: 30mm～560mm

Dimension range of outer diameter: 72mm～780mm

Dimension range of overall width: 19mm～90mm

Tolerance

The standard tolerance of single-row angular-contact ball bearing is manufactured by Class P0 but **WSW** can also supply the bearings meeting precision Class P6 or higher. For a single bearing with contact angle α of 15° and 25° used for paired mounting, the precision class meets P5. For a single bearing with contact angle α of 40° used for paired mounting, the precision class meets P6. **WSW** also can supply the bearings with precision 4A, 2A or other precision requirements. Please refer to tolerance standard listed in the table of preface pages.

Tolerance

Self-aligning ball bearing has stamped steel cage, solid brass cage or nylon cage. The material of cage is sheet steel, brass or synthetic resin.

Four-point angular contact bearing has solid brass cage without suffix after basic bearing code.

For a single bearing, the bearings in matched pair: when outside diameter is less than 250mm and contact angle is 15° or 25° , the material of cage is cotton fabric phenolic laminate; when outside diameter is more than 250mm, the material of cage is solid brass or hard aluminum.

Cotton fabric phenolic laminate cage is adopted for the bearings meeting precision P5, P4 and P2. And there is no suffix following basic bearing code.

Cotton fabric phenolic laminate cage is also adopted for angular contact ball bearings with locking slot on inner ring or any changed bearings based on them. And there is no suffix following basic bearing code.

Stamped sheet (strip) steel cage is adopted for double-row angular contact ball bearings and there is no suffix following basic bearing number.

The bearing with nylon cage can operate under ambient temperature of 120 or higher. The solid brass cage is considered when the bearing is used under high temperature or critical conditions.

Please contact with **WSW** if request for the bearing with non-standard cage.

Dynamic Equivalent Load

Single-row angular contact ball bearing with contact angle of 15°

Single bearing or two bearings in tandem arrangement

P=Fr [kN] when Fa/Fr≤e

P=0.44Fr+YFa [kN] when Fa/Fr>e

Two bearings in back-to-back arrangement or face-to-face arrangement

P=Fr +Y1Fa [kN] when Fa/Fr≤e

P=0.72Fr+Y2Fa [kN] when Fa/Fr>e

The values of e, Y, Y1 and Y2 are as follows:

Fa/C0	e	Y	Y1	Y2
0.015	0.38	1.47	1.65	2.39
0.029	0.40	1.40	1.57	2.28
0.058	0.43	1.30	1.46	2.11
0.087	0.46	1.23	1.38	2.00
0.12	0.47	1.19	1.34	1.93
0.17	0.50	1.12	1.26	1.82
0.29	0.55	1.02	1.14	1.66
0.44	0.56	1.00	1.12	1.63
0.58	0.56	1.00	1.12	1.63

Note: C0 is basic static load rating of a single bearing.

Single-row angular contact ball bearing with contact angle of 25°

Single bearing or two bearings in tandem arrangement

P=Fr [kN] when Fa/Fr≤0.68

P=0.41Fr+0.87Fa [kN] when Fa/Fr>0.68

Two bearings in back-to-back arrangement or face-to-face arrangement

P=Fr +0.92Fa [kN] when Fa/Fr≤0.68

P=0.67Fr+1.41Fa [kN] when Fa/Fr>0.68

Single-row angular contact ball bearing with contact angle of 40°

Single bearing or two bearings in tandem arrangement

P=Fr [kN] when Fa/Fr≤1.14

P=0.35Fr+0.57Fa [kN] whenFa/Fr>1.14

Two bearings in back-to-back arrangement or face-to-face arrangement

P=Fr +0.55Fa [kN] when Fa/Fr≤1.14

P=0.57Fr+0.93Fa [kN] when Fa/Fr>1.14

Double-row angular contact ball bearing

When contact angle is 30°

P=Fr +0.78 Fa [kN] when Fa/Fr≤0.8

P=0.63Fr+1.24Fa [kN] when Fa/Fr>0.8

When contact angle is 45°

P=Fr +0.47Fa [kN] when Fa/Fr≤1.34

P=0.54Fr+0.81Fa [kN] when Fa/Fr>1.34

Four-point contact ball bearing

P=Fr +0.66 Fa [kN] when Fa/Fr≤0.95

P=0.6Fr+1.07Fa [kN] when Fa/Fr>0.95

Static Equivalent Load

Single-row angular contact ball bearing with contact angle of 15°

Single bearing or two bearings in tandem arrangement

P0=0.5Fr +0.46Fa [kN]

When F0<Fr Choose P0= Fr

Two bearings in back-to-back arrangement or face-to-face arrangement

P0=Fr +0.92Fa [kN]

Single-row angular contact ball bearing with contact angle of 25°

Single bearing or two bearings in tandem arrangement

P0=0.5Fr +0.38Fa [kN]

When F0<Fr Choose Po= Fr

Two bearings in back-to-back arrangement or face-to-face arrangement

P0=Fr +0.76Fa [kN]

Single-row angular contact ball bearing with contact angle of 40°

Single bearing or two bearings in tandem arrangement

P0=0.5Fr +0.26Fa [kN]

When F0<Fr Choose P0= Fr

Two bearings in back-to-back arrangement or face-to-face arrangement

P0=Fr +0.52Fa [kN]

Four-point contact ball bearing

P0=Fr +0.58Fa [kN]

Double-row angular contact ball bearing

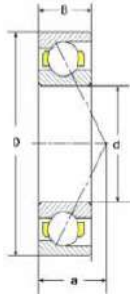
When contact angle is 30°

P0=Fr +0.66Fa [kN]

When contact angle is 45°

P0=Fr +0.44Fa [kN]

Single Row Angular Contact Ball Bearing and Paired Double Row Angular Contact Ball Bearing



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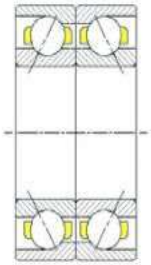
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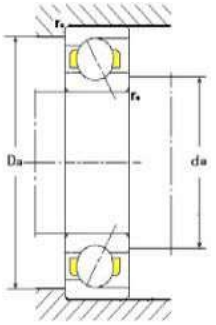
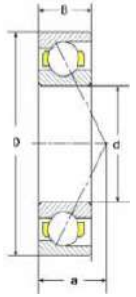


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers			作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
							脂润滑	油润滑	新代号	旧代号	组合									参考
d	D	B	r1、2min	r3、4min	Cr	Cor	Grease	Oil	New	Old	Duplex	a	damin	Damax	ramax	e	x	y	yo	Refer.
100	180	34	2.1	1.1	120	136	3000	4000	7220CM	36220	DT/DB/DF	35.8	112	168	2	*				3.71
	180	34	2.1	1.1	114	130	3000	4000	7220ACM	46220	DT/DB/DF	49.6	112	168	2	0.68	0.42	0.87	0.38	3.74
	180	34	2.1	1.1	100	114	3000	4000	7220BM	66220	DT/DB/DF	75.7	112	168	2	1.14	0.35	0.57	0.26	4.00
	215	47	3	1.1	164	199	2600	3600	7320ACM	46320	DT/DB/DF	49.6	114	201	2.5	0.68	0.42	0.87	0.38	9.61
	215	47	3	1.1	146	178	2600	3600	7320BM	66320	DT/DB/DF	89.6	114	201	2.5	1.14	0.35	0.57	0.26	8.41
110	170	28	2	1	100	101	3000	4000	7022ACM	46122	DT/DB/DF	46.7	120	160	2	0.68	0.42	0.87	0.38	2.41
	200	38	2.1	1.1	142	171	2600	3600	7222CM	36222	DT/DB/DF	39.8	122	188	2	*				5.03
	200	38	2.1	1.1	135	164	2600	3600	7222ACM	46222	DT/DB/DF	55.1	122	188	2	0.68	0.42	0.87	0.38	4.89
	200	38	2.1	1.1	147	135	2600	3600	7222BM	66222	DT/DB/DF	84.0	122	188	2	1.14	0.35	0.57	0.26	5.18
	240	50	3	1.1	184	231	2200	3200	7322ACM	46322	DT/DB/DF	65.8	124	226	2.5	0.68	0.42	0.87	0.38	9.97
	240	50	3	1.1	164	212	2200	3200	7322BM	66322	DT/DB/DF	98.4	124	226	2.5	1.14	0.35	0.57	0.26	11.5
120	180	28	2	1	77	107	2600	3600	7024ACM	46124	DT/DB/DF	49.0	130	170	2	0.68	0.42	0.87	0.38	2.62
	215	40	2.1	1.1	146	184	2200	3200	7224ACM	46224	DT/DB/DF	59.1	132	203	2	0.68	0.42	0.87	0.38	6.04
	260	55	3	1.1	193	262	1900	2800	7324BM	66324	DT/DB/DF	107.2	134	246	2.5	1.14	0.35	0.57	0.26	14.6
	260	55	3	1.1	204	269	1900	2800	7324ACM	46324	DT/DB/DF	71.8	134	246	2.5	0.68	0.42	0.87	0.38	14.1
130																				
	230	40	3	1.1	165	210	1900	2800	7226CM	36226	DT/DB/DF	44.1	144	216	2.5	*				7.28
	230	40	3	1.1	155	200	1900	2800	7226ACM	46226	DT/DB/DF	62.0	144	216	2.5	0.68	0.42	0.87	0.38	7.26
	230	40	3	1.1	135	175	1900	2800	7226BM	66226	DT/DB/DF	95.5	144	216	2.5	1.14	0.35	0.57	0.26	7.56
	280	58	4	1.5	251	270	1800	2600	7326BM	66326	DT/DB/DF	115.0	148	262	3	1.14	0.35	0.57	0.26	17.5
140																				
	210	33	2	1	98	137	2000	3000	7028ACM	46128	DT/DB/DF	57.3	150	200	2	0.68	0.42	0.87	0.38	4.14
	250	42	3	1.1	180	243	1800	2600	7228CM	36228	DT/DB/DF	47.1	154	236	2.5	*				8.83
	250	42	3	1.1	170	237	1800	2600	7228ACM	46228	DT/DB/DF	66.5	154	236	2.5	0.68	0.42	0.87	0.38	8.71
	250	42	3	1.1	147	207	1800	2600	7228BM	66228	DT/DB/DF	102.9	154	236	2.5	1.14	0.35	0.57	0.26	8.59
	300	62	4	1.5	212	310	1700	2400	7328BM	66328	DT/DB/DF	123.3	158	282	3	1.14	0.35	0.57	0.26	21.6
150	225	35	2.1	1.1	137	154	1900	2800	7030ACM	46130	DT/DB/DF	61.2	162	213	2	0.68	0.42	0.87	0.38	4.80
	270	45	3	1.1	248	280	1700	2400	7230ACM	46230	DT/DB/DF	71.5	164	256	2.5	0.68	0.42	0.87	0.38	12.6
	270	45	3	1.1	225	254	1700	2400	7230BM	66230	DT/DB/DF	110.6	164	256	2.5	1.14	0.35	0.57	0.26	11.2

Single Row Angular Contact Ball Bearing and Paired Double Row Angular Contact Ball Bearing



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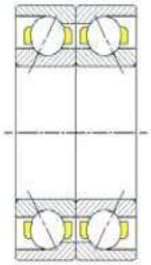
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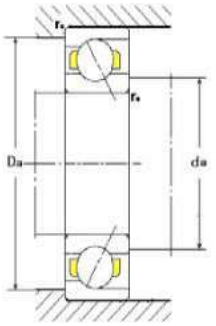
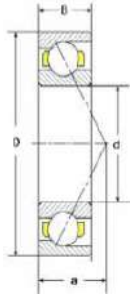


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers			作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
							脂润滑	油润滑	新代号	旧代号	组合									参考
d	D	B	r1、2min	r3、4min	Cr	Cor	Grease	Oil	New	Old	Duplex	a	damin	Damax	ramax	e	x	y	yo	Refer.
150	320	65	4	1.5	315	370	1600	2200	7330ACM	46330	DT/DB/DF	87.6	168	302	3	0.68	0.42	0.87	0.38	26.0
	320	65	4	1.5	289	340	1600	2200	7330BM	66330	DT/DB/DF	87.3	168	302	3	1.14	0.35	0.57	0.26	26.7
160	240	38	2.1	1.1	155	176	1800	2600	7032ACM	46132	DT/DB/DF	65.6	172	228	2	0.68	0.42	0.87	0.38	5.95
	290	48	3	1.1	263	305	1600	2200	7232ACM	46232	DT/DB/DF	76.5	174	276	2.5	0.68	0.42	0.87	0.38	14.5
	290	48	3	1.1	279	324	1600	2200	7232CM	36232	DT/DB/DF	54.1	174	276	2.5	*				14.5
	340	68	4	1.5	315	385	1400	2000	7332BM	66332	DT/DB/DF	138.9	178	322	3	1.14	0.35	0.57	0.26	30.8
170	260	42	2.1	1.1	186	214	1700	2400	7034ACM	46134	DT/DB/DF	71.1	182	248	2	0.68	0.42	0.87	0.38	8.27
	310	52	4	1.5	295	360	1600	2200	7234CM	36234	DT/DB/DF	58.2	188	292	3	*				18.3
	310	52	4	1.5	266	325	1600	2200	7234ACM	46234	DT/DB/DF	82.0	188	292	3	0.68	0.42	0.87	0.38	18.3
180	320	52	4	1.5	244	399	1500	2000	7236ACM	46236	DT/DB/DF	84.3	198	302	3	0.68	0.42	0.87	0.38	18.7
	320	52	4	1.5	256	418	1500	2000	7236CM	36236	DT/DB/DF	59.5	198	302	3	*				18.7
	380	75	4	1.5	375	490	1300	1800	7336BM	66336	DT/DB/DF	155.0	206	354	3	1.14	0.35	0.57	0.26	42.6
190	290	46	2.1	1.1	176	265	1600	2200	7038ACM	46138	DT/DB/DF	79.0	202	278	2	0.68	0.42	0.87	0.38	11.3
	340	55	4	1.5	284	375	1400	1900	7238BM	66238	DT/DB/DF	138.7	217	315	3	1.14	0.35	0.57	0.26	22.5
	400	78	5	2	410	550	1200	1700	7338BM	66338	DT/DB/DF	162.8	221	370	4	1.14	0.35	0.57	0.26	47.2
200	310	51	2.1	1.1	203	330	1500	2000	7040ACM	46140	DT/DB/DF	85.0	212	298	2	0.68	0.42	0.87	0.38	15.7
	360	58	4	1.5	265	462	1300	1800	7240ACM	46240	DT/DB/DF	94.3	218	342	3	0.68	0.42	0.87	0.38	26.5
	360	58	4	1.5	238	417	1300	1800	7240BM	66240	DT/DB/DF	146.5	218	342	3	1.14	0.35	0.57	0.26	26.6
	420	80	5	2	430	600	1100	1600	7340BM	66340	DT/DB/DF	170.1	231	390	4	1.14	0.35	0.57	0.26	55.3
220	400	65	4	1.5	325	605	1100	1600	7244ACM	46244	DT/DB/DF	104.7	238	382	3	0.68	0.42	0.87	0.38	37.5
	400	65	4	1.5	370	530	1100	1600	7244BM	66244	DT/DB/DF	162.6	248	374	3	1.14	0.35	0.57	0.26	37.1
	460	88	5	2	450	665	1000	1500	7344BM	66344	DT/DB/DF	186.6	252	429	4	1.14	0.35	0.57	0.26	72.9
240	440	72	4	1.5	322	626	1000	1500	7248BM	66248	DT/DB/DF	178.6	258	411	3	1.14	0.35	0.57	0.26	52.3
	500	95	5	2	475	670	900	1300	7348BM	66348	DT/DB/DF	203	262	478	5	1.14	0.35	0.57	0.26	88.5
260	360	46	2.1	1.1	200	380	1300	1800	71952ACM		DT/DB/DF	95.3	272	348	2	0.68	0.42	0.87	0.38	14.5
	480	80	5	2	507	780	900	1300	7252BM	66252	DT/DB/DF	195	282	458	4	1.14	0.35	0.57	0.26	66

Single Row Angular Contact Ball Bearing and Paired Double Row Angular Contact Ball Bearing

WSW



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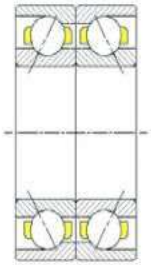

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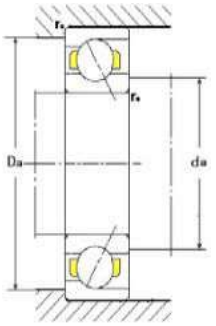
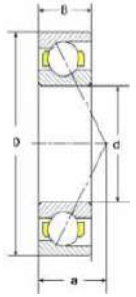


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers			作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass 参考
							脂润滑	油润滑	新代号	旧代号	组合									
d	D	B	r1、2min	r3、4min	Cr	Cor	Grease	Oil	New	Old	Duplex	a	damin	Damax	ramax	e	x	y	yo	Refer.
280	380	46	2.1	1.1	206	405	1100	1600	71956ACM		DT/DB/DF	99.9	292	368	2	0.68	0.42	0.87	0.38	16.7
	500	80	5	2	520	850	850	1200	7256BM	66256	DT/DB/DF	204	302	478	4	1.14	0.35	0.57	0.26	69.5
300	460	74	4	1.5	345	545	950	1400	7060BM	66160	DT/DB/DF	196.4	331	433	3	1.14	0.35	0.57	0.26	44.5
	540	85	5	2.1	553	930	850	1200	7260BM	66260	DT/DB/DF	219	322	518	4	1.14	0.35	0.57	0.26	86.5
320	480	74	4	1.5	390	670	850	1200	7064BM	66164	DT/DB/DF	205	338	462	3	1.14	0.35	0.57	0.26	44.5
	580	82	5	2	624	1120	750	1000	7264BM	66264	DT/DB/DF	236	342	558	4	1.14	0.35	0.57	0.26	110
340	460	56	3	1.1	296	530	850	1200	71968BM		DT/DB/DF	196	354	446	2.5	1.14	0.35	0.57	0.26	27.0
	520	82	5	2	465	820	800	1100	7068BM	66168	DT/DB/DF	221.4	377	488	4	1.14	0.35	0.57	0.26	61.8
360	480	56	3	1.1	302	550	800	1100	71972BM		DT/DB/DF	204	374	466	2.5	1.14	0.35	0.57	0.26	28.5
360	540	82	5	2	409	960	800	1100	7072CM	36172	DT/DB/DF	101.3	382	518	4	*				65.4
	540	82	5	2	462	850	800	1100	7072BM	66172	DT/DB/DF	230	382	518	4	1.14	0.35	0.57	0.26	62.5
	650	95	6	3	650	1250	700	950	7272BF1	66272	DT/DB/DF	261	388	622	5	1.14	0.35	0.57	0.26	145.0
380	520	65	4	1.5	345	650	800	1000	71976BM		DT/DB/DF	221.3	398	502	3	1.14	0.35	0.57	0.26	42.1
	560	82	5	2	468	880	750	1000	7076BM	66176	DT/DB/DF	238	402	538	4	1.14	0.35	0.57	0.26	65.5
400	600	90	5	2	527	1020	700	950	7080BF1	66180	DT/DB/DF	255	422	578	4	1.14	0.35	0.57	0.26	85.0
	720	103	6	3	728	1500	600	800	7280BF1	66280	DT/DB/DF	287	428	692	5	1.14	0.35	0.57	0.26	190
420	560	65	4	1.5	364	670	700	950	71984BM		DT/DB/DF	238	438	542	3	1.14	0.35	0.57	0.26	44.5
420	620	90	5	2	550	1070	600	800	7084BF1	66184	DT/DB/DF	263.2	460	586	4	1.14	0.35	0.57	0.26	90.6
	760	109	7.5	4	695	1460	600	800	7284BF1	66284	DT/DB/DF	302	475	709	6	1.14	0.35	0.57	0.26	220
440	650	94	6	3	572	1180	630	850	7088BF1	66188	DT/DB/DF	276	468	622	5	1.14	0.35	0.57	0.26	100
460	620	74	4	2	507	1040	850	1200	71992ACF1		DT/DB/DF	163	478	602	3	0.68	0.42	0.87	0.38	58.0
	680	100	6	3	618	1290	600	800	7092BF1	66192	DT/DB/DF	289	488	652	5	1.14	0.35	0.57	0.26	120
480	700	100	6	3	624	1340	560	750	7096BF1	66196	DT/DB/DF	298	508	672	5	1.14	0.35	0.57	0.26	125
500	720	100	6	3	637	1400	560	750	70/500BF1		DT/DB/DF	306	528	692	5	1.14	0.35	0.57	0.26	130

Single Row Angular Contact Ball Bearing and Paired Double Row Angular Contact Ball Bearing

WSW



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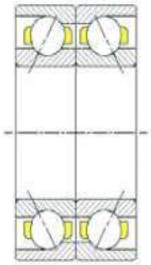
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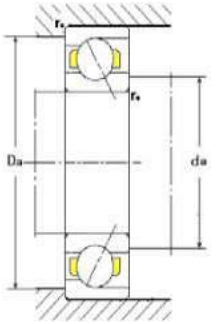
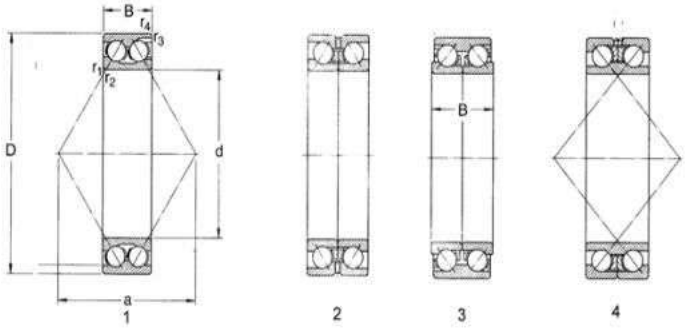


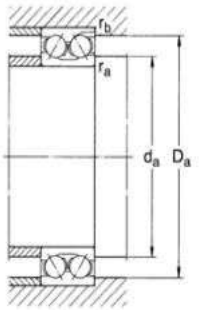
基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers			作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass 参考
							脂润滑	油润滑	新代号	旧代号	组合									
d	D	B	r1、2min	r3、4min	Cr	Cor	Grease	Oil	New	Old	Duplex	a	damin	Damax	ramax	e	x	y	yo	Refer.
530	650	56	3	1.5	410	930	1100	1600	718/530AC1		DT/DB/DF	166	544	636	2.5	0.68	0.42	0.87	0.38	39.5
	710	82	5	2	610	1320	1000	1500	719/530ACF1		DT/DB/DF	186	552	682	4	0.68	0.42	0.87	0.38	92.0
	780	112	6	3	741	1700	500	670	70/530BF1		DT/DB/DF	332	558	752	5	1.14	0.35	0.57	0.26	180
600	730	60	3	1.1	468	11600	560	750	718/600ACF1		DT/DB/DF	185	614	716	2.5	0.68	0.42	0.87	0.38	47.0
670	820	69	4	1.5	553	1290	850	1200	718/670ACF1		DT/DB/DF	208	688	802	3	0.68	0.42	0.87	0.38	80.0
710	870	74	4	1.5	600	1600	800	1100	718/710ACF1		DT/DB/DF	221	728	852	3	0.68	0.42	0.87	0.38	93.5
	950	106	6	3	850	2200	800	1100	719/710ACF1		DT/DB/DF	247	738	922	5	0.68	0.42	0.87	0.38	195
750	920	78	5	2	650	1800	400	530	718/750ACF1		DT/DB/DF	234	772	898	4	0.68	0.42	0.87	0.38	100
1180	1420	106	6	6	865	3650	200	300	SN718/1180ACF1		DT/DB/DF	356	1200	1380	5	0.68	0.42	0.87	0.38	326

Double Row Angular Contact Ball Bearing

Double Row Angular Contact Ball Bearing

WSW

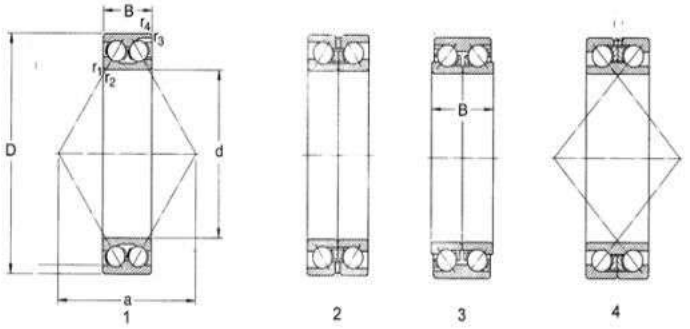


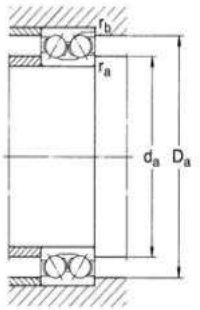


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		接触角 Angle	轴承代号 Bearing Numbers		结构	作用点 Load Center Spacings	计算系数 Calculation Factors					质量(kg) Mass	相当于国外轴承代号		
							脂润滑	油润滑		新代号	旧代号								参考			
d	D	B/C	r 1.2min	r 3.4min	Cr	Cor	Grease	Oil	α	New	Old	Design	a	e	x	Y1	Y2	Y0	Refer.	SKF	FAG	NSK
100	170	60.3	2.1	2.1	135	145	2200	3200	40	3220X1	4086920H	2	144	1.14	0.57	0.55	0.93	0.52	5.35	305397 D	511044A	100BDZ1701E4
	180	60.3	2.1	2.1	157	220	2000	3000	32	3220		1	118	0.86	0.62	0.73	1.17	0.63	6.10	3220		
	215	82.6	3	3	255	355	1800	2600	32	3320		1	139	0.86	0.62	0.73	1.17	0.63	13.50	3320		
105	190	65.1	2.1	2.1	168	186	1900	2800	32	3221		1	124	0.86	0.62	0.73	1.17	0.63	7.40	3221		
110	200	69.8	2.1	2.1	190	270	1900	2800	32	3222M		1	132	0.86	0.62	0.73	1.17	0.63	8.80	3222		
	240	92.1	3	3	292	355	1700	2400	32	3322		1	153	0.86	0.62	0.73	1.17	0.63	19.0	3322		
120	180	56	2.1	2.1	148	192	1900	2800	32	4024X2D		2	153.9	0.86	0.62	0.73	1.17	0.63	5.64		541983	120BDZ10E4
	180	60	2.1	2.1	148	192	1900	2800	32	4024DM	4086124H	2	124	0.86	0.62	0.73	1.17	0.63	6.10			
	190	66	2.1	2.1	182	230	1900	2800	32	4024X3DM	4086124KH	2	130	0.86	0.62	0.73	1.17	0.63	6.65	305256 D	517458A	
	190	66	2.1	2.1	190	240	1900	2800	32		156724H	4	64	0.86	0.62	0.73	1.17	0.63	6.60	309733		
	260	106	3	3	314	390	1700	2400	45	3324		1	243	1.34	0.54	0.47	0.81	0.44	27.0	3324		
130	200	75	2.1	2.1	121	208	1700	2400	45	4026X2DM	4086726H	2	203	1.34	0.54	0.47	0.81	0.44	8.06			
140	209.5	66	2.1	2.1	174	239	1700	2400	40	4028X3DM	86728H	2	182	1.14	0.57	0.55	0.93	0.52	7.4	309515D	538854	
	210	66	2.1	2.1	174	239	1700	2400	40	4028X2DM	156928H	2	179.8	1.14	0.57	0.55	0.93	0.52	8.0			140BDZ10E4
	210	69	2.1	2.1	174	239	1700	2400	40	4028DM	4086128H	2	182	1.14	0.57	0.55	0.93	0.52	8.0			
150	225	73	2.1	2.1	199	277	1600	2200	40	4030X2DM	86730H	2	194	1.14	0.57	0.55	0.93	0.52	9.5	305286D	510776A	150BDZ2201E4
	225	75	2.1	2.1	199	277	1600	2200	40	4030DM	4086130H	2	194	1.14	0.57	0.55	0.93	0.52	9.7			
	230	70	2.1	2.1	221	300	1600	2200	40	4030X3DM	86830H	2	194	1.14	0.57	0.55	0.93	0.52	10.0	305283D	506963	150BDZ2301E4
	240	84	2.1	2.1	258	345	1600	2200	40	305248	156730H	4	122	1.14	0.57	0.55	0.93	0.52	16.0	305248	504083	150BDY2401E
160	215	56/50	1.1	2	128	213	1600	2200	40	305608A	156932H	3	186	1.14	0.57	0.55	0.93	0.52	5.45	305608A	514478	160BDZ2101E4
	239.5	76	2	2	225	320	1600	2200	40		156132KH	2	205.8	1.14	0.57	0.55	0.93	0.52	11.0		537406	160BDZ10XE4
	240	58	2	2	146	255	1600	2200	40	3032X2DM	4086132KH	2	197	1.14	0.57	0.55	0.93	0.52	8.6			
	240	76	2.1	2.1	225	320	1600	2200	40	4032X2DM	156132H	4	130	1.14	0.57	0.55	0.93	0.52	11.0	305183	507511	160BDY10E
	240	80	2.1	2.1	161	289	1600	2200	45	4032DM	4086132H	2	240	1.34	0.54	0.47	0.81	0.44	12.2			
170	259.5	84	2.1	2.1	270	385	1500	2000	40	4934X3DM	40886734H	2	222.4	1.14	0.57	0.55	0.93	0.52	17.0	305180	538853	170BDZ10XE4
	260	84	2.1	2.1	270	385	1400	1900	40	305180	156134H	4	138	1.14	0.57	0.55	0.93	0.52	17.0		503288	170BDY10E

Double Row Angular Contact Ball Bearing

WSW

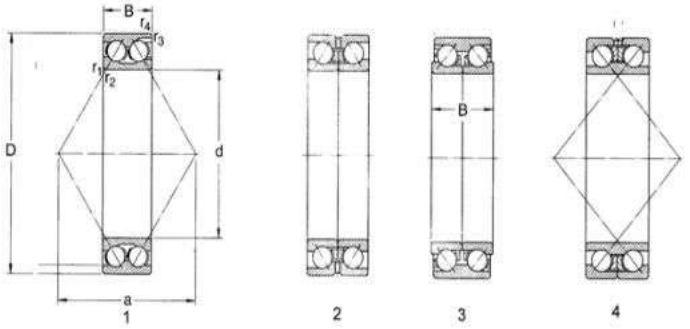


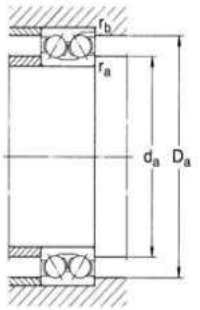


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		接触角 Angle	轴承代号 Bearing Numbers		结构	作用点 Load Center Spacings	计算系数 Calculation Factors					质量(kg) Mass	相当于国外轴承代号		
							脂润滑	油润滑		新代号	旧代号								参考			
d	D	B/C	r 1.2min	r 3.4min	Cr	Cor	Grease	Oil	α	New	Old	Design	a	e	x	Y_1	Y_2	Y_0	Refer.	SKF	FAG	NSK
170	260	90	2.1	2.1	270	385	1500	2000	40	4034DM	4086134H	2	260	1.14	0.57	0.55	0.93	0.52	17.4			
175	280	92	2.1	2.1	293	435	1300	1800	40	4635DM		4	147	1.14	0.57	0.55	0.93	0.52	21.0	305351	506872	175BDY2801E
180	250	66	2.1	2.1	190	300	1500	2000	40	4936X2DM		4	147.4	1.14	0.57	0.55	0.93	0.52	9.83		528711A	180BDY09E
	249.5	70	2.1	2.1	185	285	1500	2000	40	4936DM		2	215	1.14	0.57	0.55	0.93	0.52	10.8			
	249.5	70	2.5	2.5			1400	1900	40		156936KH	3	145	1.14	0.57	0.55	0.93	0.52				
	250	70	2.1	2.1	190	300	1400	1900	40		156936H	3	145	1.14	0.57	0.55	0.93	0.52	11.0	305455B	508893	180BDY2501E
	259.5	66	2.1	2.1	262	390	1400	1900	40	4936X3DM	86736H	2	170	1.14	0.57	0.55	0.93	0.52	10.8	305262D	509059A	180BDZ2501E4
	280	92	2.1	2.1	300	455	1300	1800	32	4036X2DM		4	147						21.9	305172B	503739	180BDY10E
	280	100	2.1	2.1	300	455	1300	1800	40	4036DM	4086136H	2	243	1.14	0.57	0.55	0.93	0.52	23.4			
190	255	66/58	1.1	1.1	170	280	1300	1800	40	4938X3-1DM	86738H	3	220	1.14	0.57	0.55	0.93	0.52	9.0	305609A	514479	190BDZ2501E4
	269.5	66	2.1	2.1	267	405	1300	1800	32	4938X3DM		2	132	0.86	0.62	0.73	1.17	0.63	11.0	305338D	508658A	190BDZ2601E4
	290	92	2.1	1.1	325	505	1200	1700	32	4038X2DM		4	104	0.86	0.62	0.73	1.17	0.63	21.9		507510A	190BDY10E
	290	100	2.1	1.1	363	516	1200	1700	40	4038DM	4086138H	2	251	1.14	0.57	0.55	0.93	0.52	23.0			
200	279.5	76	2.1	2.1	240	378	1200	1700	40	4940X3DM	86740H	2	240	1.14	0.57	0.55	0.93	0.52	14.3	305428D	508733A	200BDZ09XE4
	280	76	2.1	2.1	226	360	1200	1700	40	4940X2DM		4	163	1.14	0.57	0.55	0.93	0.52	14.4	305237A		200BDY09E
	280	80	2.1	2.1	240	378	1200	1700	40		156940H	4	161	1.14	0.57	0.55	0.93	0.52	15.2	305393	507629	200BDY2801E
	289.5	76	2.1	2.1	299	465	1200	1700	32	4940X3D-1M	86840H	2	192	0.86	0.62	0.73	1.17	0.63	16.5	305263D	509590A	200BDZ2801E4
	309.5	96	3	3	355	560	1100	1600	40	4040X3DM		4	166	1.14	0.57	0.55	0.93	0.52	26.5			200BDZ3001E4
	310	96	3	3	355	560	1100	1600	40	305352	156140H	4	166	1.14	0.57	0.55	0.93	0.52	26.6	305352	506871	200BDY3101E
	310	109	3	3	364	592	1100	1600	40	4040DM	4086140H	2	268	1.14	0.57	0.55	0.93	0.52	28.6			
220	300	76/70	1.1	2	231	405	1100	1600	40	4944X2DM		3	256	1.14	0.57	0.55	0.93	0.52	14.5	305610A	514480	220BDZ09E4
	309.5	76	3	3	335	545	1000	1500	32	4944X3D	86744H	2	204	0.86	0.62	0.73	1.17	0.63	18.0	305272D	511045A	220BDZ3001E4
	340	118	3	3	377	599	1000	1500	40	4044DM	4086144H	2	294	1.14	0.57	0.55	0.93	0.52	26.0			
230	329.5	80	3	3	360	615	950	1400	32	4946X1DM	86746H	2	214	0.86	0.62	0.73	1.17	0.63	21.0	305264D	508732A	230BDZ3201E4
240	359.5	118	3	3	361	651	900	1300	40	4048X1DM	4086148KH	2	311	1.14	0.57	0.55	0.93	0.52	44.9			

Double Row Angular Contact Ball Bearing

WSW





基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		接触角 Angle	轴承代号 Bearing Numbers		结构	作用点 Load Center Spacings	计算系数 Calculation Factors					质量(kg) Mass	相当于国外轴承代号		
							脂润滑	油润滑		新代号	旧代号								参考			
d	D	B/C	r 1.2min	r 3.4min	Cr	Cor	Grease	Oil	α	New	Old	Design	a	e	x	Y_1	Y_2	Y_0	Refer.	SKF	FAG	NSK
240	360	118	3	3	361	651	900	1300	40	4048DM	4086148H	2	311	1.14	0.57	0.55	0.93	0.52	44.9			
	370	112	3	3	389	650	900	1300	40	4048X3DM	86748KH	2	312	1.14	0.57	0.55	0.93	0.52	45.0			
	440	144	3	3	421	1008	850	1200	40	3248X2DM	86748H	2	357	1.14	0.57	0.55	0.93	0.52	65.4			
250	340	76/70	2.1	2.1	274	515	950	1400	40	305611A	86750H	3	286	1.14	0.57	0.55	0.93	0.52	19.0	305611A	514481	250BDZ3401E4
260	369.5	92	4	4	375	670	850	1200	32	4952X3DM	86752H	2	246	0.86	0.62	0.73	1.17	0.63	34.1	305270D	508731	260BDZ3601E4
	400	130	4	4	505	945	850	1200	40	305174B	156152H	4	212	1.14	0.57	0.55	0.93	0.52	56.0	305174B	505057	260BDY10E
	400	140	4	4	455	835	850	1200	40	4052DM	4086152H	2	347	1.14	0.57	0.55	0.93	0.52	61.5			
280	389.5	92	4	4	380	740	850	1200	32	4956X3D-1M	86756KH	2	258	0.86	0.62	0.73	1.17	0.63	32.0	305269D	508730	280BDZ3801E4
	390	92	4	4	380	740	850	1200	40	4956X3DM	86756H	2	258	1.14	0.57	0.55	0.93	0.52	32.0			
	420	140	4	4	426	867	800	1100	40	4056DM	4086156H	2	364	1.14	0.57	0.55	0.93	0.52	58.9			
300	419.5	112	4	4	409	800	800	1100	40		86760H	2	358	1.14	0.57	0.55	0.93	0.52	52.3			
	460	160	4	4	485	860	800	1100	40	4060DM	4086160H	2	399	1.14	0.57	0.55	0.93	0.52	92.4			
320	459.5	140	4	4	400	530	700	1000	40	4064X3DM	86764H	2	397	1.14	0.57	0.55	0.93	0.52	80.8			
	480	160	4	4	510	910	700	1000	40	4064DM	4086164H	2	416	1.14	0.57	0.55	0.93	0.52	94			
340	520	180	5	5	610	1040	600	900	40	4068DM	4086168H	2	451	1.14	0.57	0.55	0.93	0.52	126			
360	540	164	5	5	625	1180	500	800	40	4072X2DM	4086172K	2	460	1.14	0.57	0.55	0.93	0.52	131			
650	780	84	5	5	598	1530	360	480	30	309984		2	455	0.8	0.63	0.78	1.24	0.66	81.0	BA2B 309984		
900	1030	135	5	4	650	2400	220	320	30	311631		2	629	0.8	0.63	0.78	1.24	0.66	150	BA2B 311631		
1000	1170	140	5	2.5	820	3100	190	280	30	311495		2	698	0.8	0.63	0.78	1.24	0.66	255	BA2B 311495		

Four-point Contact Ball Bearing

Four-point Contact Ball Bearing

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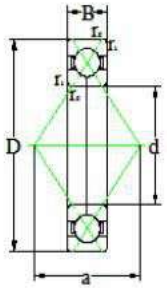

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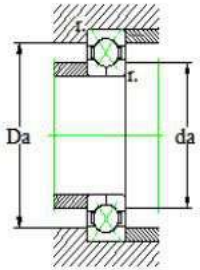

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
100	150	24	1.5	106	134	3200	4300	QJ1020MA	176120	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.60
	149.5	24	1.5	106	134	3200	4300	QJF1020MB	116120	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.63
	149.5	24	1.5	106	134	3200	4300	QJ1020X1MA	176720	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.60
	149.5	24	1.5	106	134	3200	4300	QJF1020X1MB	116720	88	109	141	1.5	0.95	0.6	0.66	1.07	0.58	1.60
	180	34	2.1	225	240	2800	3800	QJ220N2MA	176220K	98	112	168	2	0.95	0.6	0.66	1.07	0.58	4.05
	180	34	2.1	225	240	2800	3800	QJF220MB	116220	98	112	168	2	0.95	0.6	0.66	1.07	0.58	4.06
	215	47	3.0	307	340	2400	3400	QJ320N2MA	176320K	110	114	201	2.5	0.95	0.6	0.66	1.07	0.58	9.30
	215	47	3.0	307	340	2400	3400	QJF320MB	116320	110	114	201	2.5	0.95	0.6	0.66	1.07	0.58	9.31
105	160	26	2.0	124	156	3000	4000	QJ1021N2MA	176121K	93	115	150	2	0.95	0.6	0.66	1.07	0.58	2.0
	160	26	2.0	124	156	3000	4000	QJF1021MB	116121	93	115	150	2	0.95	0.6	0.66	1.07	0.58	2.1
	190	36	2.1	242	270	2600	3600	QJ221N2MA	176221K	103	117	178	2	0.95	0.6	0.66	1.07	0.58	4.8
	190	36	2.1	242	270	2600	3600	QJF221MB	116221	103	117	178	2	0.95	0.6	0.66	1.07	0.58	4.9
110																			
	170	28	2.0	146	186	2800	3800	QJ1022N2MA	176122K	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.50
	170	28	2.0	146	186	2800	3800	QJ1022MA	176122	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.68
	170	28	2.0	146	186	2800	3800	QJF1022MB	116122	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.70
	169.5	28	2.0	146	186	2800	3800	QJ1022X1MA	176722	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.65
	169.5	28	2.0	146	186	2800	3800	QJF1022X1MB	116722	98	120	160	2	0.95	0.6	0.66	1.07	0.58	2.65
	200	38	2.1	265	305	2400	3400	QJ222N2MA	176222K	109	122	188	2	0.95	0.6	0.66	1.07	0.58	5.6
	200	38	2.1	265	305	2400	3400	QJ222MA	176222	109	122	188	2	0.95	0.6	0.66	1.07	0.58	5.71
	200	38	2.1	265	305	2400	3400	QJF222MB	116222	109	122	188	2	0.95	0.6	0.66	1.07	0.58	5.73
	240	50	3.0	364	430	2000	3000	QJ322N2MA	176322K	123	124	226	2.5	0.95	0.6	0.66	1.07	0.58	12.0
	240	50	3.0	364	430	2000	3000	QJ322MA	176322	123	124	226	2.5	0.95	0.6	0.66	1.07	0.58	12.5
	240	50	3.0	364	430	2000	3000	QJF322MB	116322	123	124	226	2.5	0.95	0.6	0.66	1.07	0.58	12.5
120	180	28	2.0	148	196	2600	3600	QJ1024N2MA	176124K	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.65
	180	28	2.0	148	196	2600	3600	QJF1024MB	116124	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.65
	179.5	28	2.0	148	196	2600	3600	QJ1024X1MA	176724	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.62
	179.5	28	2.0	148	196	2600	3600	QJF1024X1MB	116724	105	130	170	2	0.95	0.6	0.66	1.07	0.58	2.62

Four-point Contact Ball Bearing

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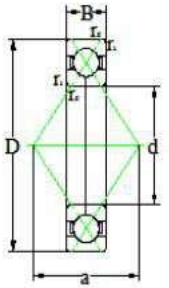

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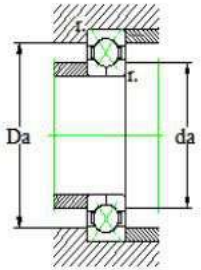

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
120	215	40	2.1	286	340	2200	3200	QJ224N2MA	176224K	117	132	203	2	0.95	0.6	0.66	1.07	0.58	6.95
	215	40	2.1	286	340	2200	3200	QJF224MB	116224	117	132	203	2	0.95	0.6	0.66	1.07	0.58	6.95
	260	55	3.0	390	490	1900	2800	QJ324N2MA	176324K	133	134	246	2.5	0.95	0.6	0.66	1.07	0.58	15.3
	260	55	3.0	390	490	1900	2800	QJ324MA	176324	133	134	246	2.5	0.95	0.6	0.66	1.07	0.58	16.0
	260	55	3.0	390	490	1900	2800	QJF324MB	116324	133	134	246	2.5	0.95	0.6	0.66	1.07	0.58	16.0
130	200	33	2.0	182	240	2200	3200	QJ1026N2MA	176126K	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.05
	200	33	2.0	182	240	2200	3200	QJF1026MB	116126	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.05
	199.5	33	2.0	182	240	2200	3200	QJ1026X1MA	176726	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.02
	199.5	33	2.0	182	240	2200	3200	QJF1026MB	116726	116	140	190	2	0.95	0.6	0.66	1.07	0.58	4.02
	230	40	3.0	296	365	1900	2800	QJ226N2MA	176226K	126	144	216	2.5	0.95	0.6	0.66	1.07	0.58	7.75
	230	40	3.0	296	365	1900	2800	QJF226MB	116226	126	144	216	2.5	0.95	0.6	0.66	1.07	0.58	7.75
	280	58	4.0	423	560	1800	2600	QJ326N2MA	176326K	144	148	262	3	0.95	0.6	0.66	1.07	0.58	19.5
	280	58	4.0	423	560	1800	2600	QJF326MB	116326	144	148	262	3	0.95	0.6	0.66	1.07	0.58	20.7
140	210	33	2.0	190	265	2000	3000	QJ1028N2MA	176128K	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.3
	210	33	2.0	190	265	2000	3000	QJF1028MB	116128	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.2
	209.5	33	2.0	190	265	2000	3000	QJ1028X1MA	176728	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.1
	209.5	33	2.0	190	265	2000	3000	QJF1028MB	176728	123	150	200	2	0.95	0.6	0.66	1.07	0.58	4.1
	250	42	3.0	325	440	1800	2600	QJ228N2MA	176228K	137	154	236	2.5	0.95	0.6	0.66	1.07	0.58	9.85
	250	42	3.0	325	440	1800	2600	QJ228MA	176228	137	154	236	2.5	0.95	0.6	0.66	1.07	0.58	9.85
	250	42	3.0	325	440	1800	2600	QJF228MB	116228	137	154	236	2.5	0.95	0.6	0.66	1.07	0.58	10.4
	300	62	4.0	468	640	1700	2400	QJ328N2MA	176328K	154	158	282	3	0.95	0.6	0.66	1.07	0.58	23.0
	300	62	4.0	468	640	1700	2400	QJ328MA	176328	154	158	282	3	0.95	0.6	0.66	1.07	0.58	23.3
	300	62	4.0	468	640	1700	2400	QJF328MB	116328	154	158	282	3	0.95	0.6	0.66	1.07	0.58	23.3
150	225	35	2.1	216	305	1900	2800	QJ1030N2MA	176130K	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.25
	225	35	2.1	216	305	1900	2800	QJ1030MA	176130	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.29
	224.5	35	2.1	220	300	1900	2800	QJ1030X1MA	176730	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.27
	225	35	2.1	220	300	1900	2800	QJF1030	116130	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.29
	224.5	35	2.1	220	300	1900	2800	QJF1030X1MB	116730	131	162	213	2	0.95	0.6	0.66	1.07	0.58	5.27

Four-point Contact Ball Bearing

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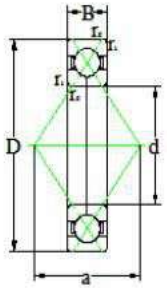

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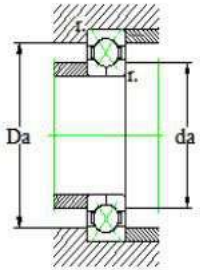

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
150	270	45	3.0	338	465	1700	2400	QJ230N2MA	176230K	147	164	256	2.5	0.95	0.6	0.66	1.07	0.58	12.5
	270	45	3.0	338	465	1700	2400	QJF230MB	116230	147	164	256	2.5	0.95	0.6	0.66	1.07	0.58	12.5
	320	65	4.0	494	710	1600	2200	QJ330N2MA	176330K	165	168	302	3	0.95	0.6	0.66	1.07	0.58	29.0
	320	65	4.0	494	710	1600	2200	QJF330MB	116330	165	168	302	3	0.95	0.6	0.66	1.07	0.58	29.4
160	240	38	2.1	247	355	1800	2600	QJ1032N2MA	176132K	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.45
	240	38	2.1	250	355	1800	2600	QJF1032MB	116132	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.54
	239.5	38	2.1	250	355	1800	2600	QJF1032X1MB	116732	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.50
	239.5	38	2.1	250	355	1800	2600	QJ1032X1MA	176732	140	172	228	2	0.95	0.6	0.66	1.07	0.58	6.50
	290	48	3.0	390	570	1600	2200	QJ232N2MA	176232K	158	174	276	2.5	0.95	0.6	0.66	1.07	0.58	15.2
	290	48	3.0	390	570	1600	2200	QJ232MA	176232	158	174	276	2.5	0.95	0.6	0.66	1.07	0.58	15.5
	290	48	3.0	390	570	1600	2200	QJF232MB	116232	158	174	276	2.5	0.95	0.6	0.66	1.07	0.58	15.5
	340	68	4.0	540	815	1500	2000	QJ332N2MA	176332K	175	178	322	3	0.95	0.6	0.66	1.07	0.58	34.5
	340	68	4.0	540	815	1500	2000	QJF332MB	116332	175	178	322	3	0.95	0.6	0.66	1.07	0.58	34.5
170	260	42	2.1	286	405	1700	2400	QJ1034N2MA	176134K	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.23
	260	42	2.1	292	410	1700	2400	QJ1034MA	176134	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.23
	260	42	2.1	290	410	1700	2400	QJF1034MB	116134	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.82
	259.5	42	2.1	290	410	1700	2400	QJ1034X1MA	176734	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.80
	259.5	42	2.1	290	410	1700	2400	QJF1034X1MB	116734	151	182	248	2	0.95	0.6	0.66	1.07	0.58	8.80
	310	52	4.0	397	600	1600	2200	QJ234N2MA	176234K	168	188	292	3	0.95	0.6	0.66	1.07	0.58	19.5
	310	52	4.0	397	600	1600	2200	QJ234MA	176234	168	188	292	3	0.95	0.6	0.66	1.07	0.58	19.5
	310	52	4.0	397	600	1600	2200	QJF234MB	116234	168	188	292	3	0.95	0.6	0.66	1.07	0.58	19.5
	360	72	4.0	618	965	1400	1900	QJ334N2MA	176334K	186	188	342	3	0.95	0.6	0.66	1.07	0.58	41.5
	360	72	4.0	618	965	1400	1900	QJF334MB	116334	186	188	342	3	0.95	0.6	0.66	1.07	0.58	41.5
180	280	46	2.1	338	510	1600	2200	QJ1036N2MA	176136K	161	192	268	2	0.95	0.6	0.66	1.07	0.58	11.0
	280	46	2.1	338	510	1600	2200	QJ1036MA	176136	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.7
	280	46	2.1	340	510	1600	2200	QJF1036MB	116136	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.9
	279.5	46	2.1	340	510	1600	2200	QJ1036X1MA	176737	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.7
	279.5	46	2.1	340	510	1600	2200	QJF1036X1MB	116736	161	192	268	2	0.95	0.6	0.66	1.07	0.58	10.7
	320	52	4.0	436	680	1500	2000	QJ236N2MA	176236K	175	198	302	3	0.95	0.6	0.66	1.07	0.58	20.5

Four-point Contact Ball Bearing

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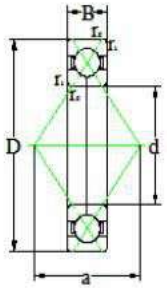

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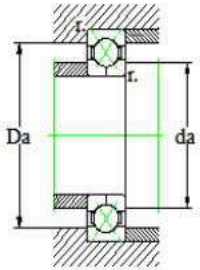
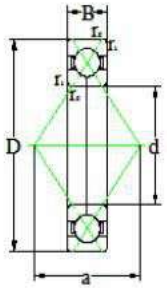


基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
180	320	52	4.0	460	710	1500	2000	QJ236MA	176236	175	198	302	3	0.95	0.6	0.66	1.07	0.58	17.7
	320	52	4.0	460	710	1500	2000	QJF236MB	116236	175	198	302	3	0.95	0.6	0.66	1.07	0.58	18.0
	380	75	4.0	637	1020	1300	1800	QJ336N2MA	176336K	196	198	362	3	0.95	0.6	0.66	1.07	0.58	47.5
	380	75	4.0	637	1020	1300	1800	QJ336MA	176336	196	198	362	3	0.95	0.6	0.66	1.07	0.58	47.5
	380	75	4.0	637	1020	1300	1800	QJF336MB	116336	196	198	362	3	0.95	0.6	0.66	1.07	0.58	47.5
190	290	46	2.1	338	510	1600	2200	QJ1038N2MA	176138K	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.5
	290	46	2.1	340	510	1600	2200	QJF1038MB	116138	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.4
	289.5	46	2.1	340	510	1600	2200	QJ1038X1MA	176738	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.4
	289.5	46	2.1	340	510	1600	2200	QJF1038X1MB	116738	168	202	278	2	0.95	0.6	0.66	1.07	0.58	11.4
	340	55	4.0	488	780	1400	1900	QJ238N2MA	176238K	186	208	322	3	0.95	0.6	0.66	1.07	0.58	24.5
	340	55	4.0	488	780	1400	1900	QJF238MB	116238	186	208	322	3	0.95	0.6	0.66	1.07	0.58	24.5
	400	78	5.0	735	1250	1200	1600	QJ338N2MA	176338K	207	210	380	4	0.95	0.6	0.66	1.07	0.58	52.1
	400	78	5.0	735	1250	1200	1600	QJF338MB	116338	207	210	380	4	0.95	0.6	0.66	1.07	0.58	52.1
200	310	51	2.1	390	620	1500	2000	QJ1040N2MA	176140K	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	310	51	2.1	390	620	1500	2000	QJ1040MA	176140	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	310	51	2.1	390	620	1500	2000	QJF1040MB	116140	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	309.5	51	2.1	390	620	1500	2000	QJ1040X1MA	176740	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	309.5	51	2.1	390	620	1500	2000	QJF1040X1MB	116740	179	212	298	2	0.95	0.6	0.66	1.07	0.58	14.7
	360	58	4.0	507	850	1300	1800	QJ240N2MA	176240K	196	218	342	3	0.95	0.6	0.66	1.07	0.58	28.5
	360	58	4.0	507	850	1300	1800	QJF240MB	116240	196	218	342	3	0.95	0.6	0.66	1.07	0.58	28.5
	420	80	5.0	570	1270	1200	1600	QJ340N2MA	176340K	217.1	222	398	4	0.95	0.6	0.66	1.07	0.58	55.3
	420	80	5.0	570	1270	1200	1600	QJF340MB	116340	217.1	222	398	4	0.95	0.6	0.66	1.07	0.58	55.3
220	309.5	60	3.0	442	750	1400	1900	QJ1944X1MA	176944		212	298	2	0.95	0.6	0.66	1.07	0.58	13.6
	309.5	60	3.0	442	750	1400	1900	QJF1944X1MB	116944		212	298	2	0.95	0.6	0.66	1.07	0.58	13.6
	340	56	3.0	442	750	1300	1800	QJ1044N2MA	176144K	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	340	56	3.0	442	750	1300	1800	QJ1044MA	176144	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	339.5	56	3.0	442	750	1300	1800	QJ1044X1MA	176744	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8
	339.5	56	3.0	442	750	1300	1800	QJF1044X1MA	116744	196	234	326	2.5	0.95	0.6	0.66	1.07	0.58	17.8

Four-point Contact Ball Bearing

WSW



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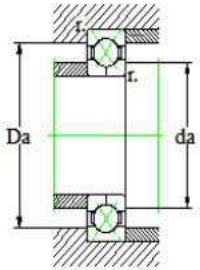
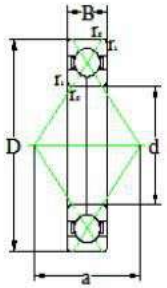


基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
220	400	65	4.0	553	980	1100	1600	QJ244N2MA	176244K	217	238	382	3	0.95	0.6	0.66	1.07	0.58	39.5
	400	65	4.0	553	980	1100	1600	QJF244MB	116244	217	238	382	3	0.95	0.6	0.66	1.07	0.58	39.5
	460	88	5.0	780	1400	1000	1500	QJ344N2MA	176344K	238	242	438	4	0.95	0.6	0.66	1.07	0.58	78.0
	460	88	5.0	780	1400	1000	1500	QJF344MB	116344	238	242	438	4	0.95	0.6	0.66	1.07	0.58	78.0
240	360	56	3.0	449	780	1200	1700	QJ1048N2MA	176148K	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	21.0
	360	56	3.0	449	780	1200	1700	QJ1048MA	176148	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	360	56	3.0	449	780	1200	1700	QJF1048MB	116148	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	359.5	56	3.0	449	780	1200	1700	QJ1048X1MA	176748	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	359.5	56	3.0	449	780	1200	1700	QJF1048X1MB	116748	210	254	346	2.5	0.95	0.6	0.66	1.07	0.58	20.9
	440	72	4.0	650	1200	1000	1500	QJ248N2MA	176248K	238	258	422	3	0.95	0.6	0.66	1.07	0.58	53.0
	440	72	4.0	650	1200	1000	1500	QJF248MB	116248	238	258	422	3	0.95	0.6	0.66	1.07	0.58	53.0
	500	95	5.0	1020	1960	800	1200	QJ348N2MA	176348K	259	260	480	4	0.95	0.6	0.66	1.07	0.58	98.2
	500	95	5.0	1020	1960	800	1200	QJF348MB	116348	260	260	480	4	0.95	0.6	0.66	1.07	0.58	98.2
260	360	46	2.1	390	710	1100	1600	QJ1952N2MA	176952K	218	271	349	2	0.95	0.6	0.66	1.07	0.58	15.0
	400	65	4.0	540	1000	1000	1500	QJ1052N2MA	176152K	231	278	382	3	0.95	0.6	0.66	1.07	0.58	31.5
	400	65	4.0	540	1000	1000	1500	QJ1052MA	176152	231	278	382	3	0.95	0.6	0.66	1.07	0.58	31.5
	399.5	65	4.0	550	1000	1000	1500	QJ1052X1MA	176752	231	278	383	3	0.95	0.6	0.66	1.07	0.58	31.3
	399.5	65	4.0	550	1000	1000	1500	QJF1052X1MB	116752	231	278	383	3	0.95	0.6	0.66	1.07	0.58	31.3
	480	80	5.0	728	1430	900	1300	QJ252N2MA	176252K	259	282	458	4	0.95	0.6	0.66	1.07	0.58	68.0
	480	80	5.0	728	1430	900	1300	QJF252MB	116252	370	282	458	4	0.95	0.6	0.66	1.07	0.58	78.0
280	420	65	4.0	553	1060	950	1400	QJ1056N2MA	176156K	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.5
	420	65	4.0	553	1060	950	1400	QJF1056MB	116156	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.8
	419.5	65	4.0	553	1060	950	1400	QJ1056X1MA	176756	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.6
	419.5	65	4.0	553	1060	950	1400	QJF1058MB	116756	245	298	402	3	0.95	0.6	0.66	1.07	0.58	33.6
	500	90	5.0	728	1460	900	1300	QJ1256N2MA		390	302	478	4	1.34	0.54	0.47	0.81	0.44	82.0
300																			
	460	74	4.0	650	1340	900	1300	QJ1060N2MA	176160K	266	318	442	3	0.95	0.6	0.66	1.07	0.58	47.5
	460	74	4.0	650	1340	900	1300	QJF1060MB	116160	266	318	442	3	0.95	0.6	0.66	1.07	0.58	48.5
	459.5	68	4.0	600	1250	900	1300	QJ1060X3MA	176860	266	318	442	3	0.95	0.6	0.66	1.07	0.58	48.2

Four-point Contact Ball Bearing

WSW



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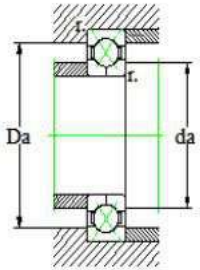
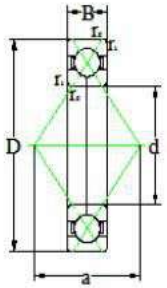


基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
300	459.5	68	4.0	600	1250	900	1300	QJF1060X3MB	116860	266	318	442	3	0.95	0.6	0.66	1.07	0.58	48.2
	540	98	5.0	832	1760	850	1200	QJ1260N2MA		420	322	518	4	1.34	0.54	0.47	0.81	0.44	105
320	480	74	4.0	663	1400	850	1200	QJ1064N2MA	176164K	280	338	462	3	0.95	0.6	0.66	1.07	0.58	50.0
	480	74	4.0	663	1400	850	1200	QJF1064MB	116164	280	338	462	3	0.95	0.6	0.66	1.07	0.58	51.8
	479.5	74	4.0	660	1400	850	1200	QJ1064X1MA	176764	280	338	462	3	0.95	0.6	0.66	1.07	0.58	51.8
320	479.5	74	4.0	660	1400	850	1200	QJF1064X1MB	116764	280	338	462	3	0.95	0.6	0.66	1.07	0.58	51.8
	580	105	5.0	923	2040	800	1100	QJ1264N2MA		450	342	558	4	1.34	0.54	0.47	0.81	0.44	130
340	520	82	5.0	780	1700	800	1100	QJ1068N2MA	176168K	301	362	498	4	0.95	0.6	0.66	1.07	0.58	66.3
	520	82	5.0	780	1700	800	1100	QJF1068MB	116168	301	362	498	4	0.95	0.6	0.66	1.07	0.58	68.8
	620	118	6.0	1060	2450	750	1000	QJ1268N2MA		480	368	592	5	1.34	0.54	0.47	0.81	0.44	165
360	540	82	5.0	793	1800	800	1100	QJ1072N2MA	176172K	315	382	518	4	0.95	0.6	0.66	1.07	0.58	70.5
	540	82	5.0	793	1800	800	1100	QJF1072MB	116172	315	382	518	4	0.95	0.6	0.66	1.07	0.58	73.5
	650	122	6.0	1110	2600	700	950	QJ1272N2MA		505	388	622	5	1.34	0.54	0.47	0.81	0.44	190
380	560	82	5.0	819	1900	750	1000	QJ1076N2MA	176176K	329	402	538	4	0.95	0.6	0.66	1.07	0.58	73.5
	560	82	5.0	819	1900	750	1000	QJF1076MB	116176		402	538	4	0.95	0.6	0.66	1.07	0.58	75.0
	680	132	6.0	1170	2850	670	900	QJ1276N2MA		530	408	652	5	1.34	0.54	0.47	0.81	0.44	220
400	600	90	5.0	904	2160	700	950	QJ1080N2MA	176180K	350	422	578	4	0.95	0.6	0.66	1.07	0.58	95.5
	600	90	5.0	904	2160	700	950	QJF1080MB	116180	350	422	578	4	0.95	0.6	0.66	1.07	0.58	98.5
	720	140	6.0	1300	3250	600	800	QJ1280N2MA		560	428	692	5	1.34	0.54	0.47	0.81	0.44	265
420	560	65	4.0	637	1600	700	950	QJ1984MA	176984	343	438	542	3	0.95	0.6	0.66	1.07	0.58	51.0
	560	65	4.0	637	1600	700	950	QJF198MB	116984	343	438	542	3	0.95	0.6	0.66	1.07	0.58	51.0
	620	90	5.0	923	2280	670	900	QJ1084N2MA	176184K	364	442	598	4	0.95	0.6	0.66	1.07	0.58	99.5
	620	90	5.0	923	2280	670	900	QJF1084MB	116184	364	442	598	4	0.95	0.6	0.66	1.07	0.58	100.5
	760	150	7.5	1430	3750	560	750	QJ1284N2MA		590	456	724	6	1.34	0.54	0.47	0.81	0.44	315
440	600	74	4.0	761	1900	670	900	QJ1988N2MA	176988K	364	458	582	3	0.95	0.6	0.66	1.07	0.58	65.0
	600	74	4.0	761	1900	670	900	QJF1988MB	116988	364	458	582	3	0.95	0.6	0.66	1.07	0.58	67.0
	650	94	6.0	995	2500	630	850	QJ1088N2MA	176188K	382	468	622	5	0.95	0.6	0.66	1.07	0.58	115

Four-point Contact Ball Bearing

WSW



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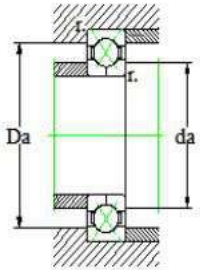


基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		作用点 Load Center Spacings	相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors					质量(kg) Mass 参考
						脂润滑	油润滑	新代号	旧代号										
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	a	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	e	X	Y_1	Y_2	Y_0	Refer.
440	650	94	6.0	995	2500	630	850	QJF1088MB	116188	382	468	622	5	0.95	0.6	0.66	1.07	0.58	118
	790	155	7.5	1400	3750	560	750	QJ1288N2MA		615	476	754	6	1.34	0.54	0.47	0.81	0.44	350
460	680	100	6.0	1040	2650	600	800	QJ1092N2MA	176192K	399	488	652	5	0.95	0.6	0.66	1.07	0.58	130
	680	100	6.0	1040	2650	600	800	QJF1092MB	116192	399	488	652	5	0.95	0.6	0.66	1.07	0.58	132
	830	165	7.5	1530	4250	530	700	QJ1292N2MA		645	496	794	6	1.34	0.54	0.47	0.81	0.44	415
480	700	100	6.0	1060	2800	560	750	QJ1096N2MA	176196K	413	508	672	5	0.95	0.6	0.66	1.07	0.58	135
	700	100	6.0	1060	2800	560	750	QJF1096MB	116196	413	508	672	5	0.95	0.6	0.66	1.07	0.58	137
	870	170	7.5	1680	4750	500	670	QJ1296N2MA		675	516	834	6	1.34	0.54	0.47	0.81	0.44	470
560	780	60	5.0	530	1840	600	800	QJF9/560X1	1168/560	469	582	758	4	0.95	0.6	0.66	1.07	0.58	100

Single-row Cylindrical Roller Bearing

Product Characteristics

The cylindrical rollers linear contact with raceway, and the bearings can carry heavier radial load. They can be applied to the situation not only with heavy load and shock load but also with high rotation speed.

Cylindrical roller bearings have bigger load-carry capacity after amending the raceway and the geometry of rolling elements, and the new design of ribs and roller end surfaces improves lubricating conditions of contact area between roller end surface and ribs, increases bearings service life.

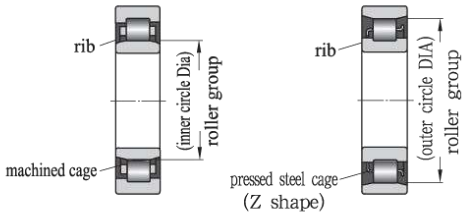
These bearings are mainly used in medium and large size motors, electricity generators, internal combustion engines, gas turbines, machine tool spindles, deceleration devices, unloading and lifting machines and other industrial machinery.

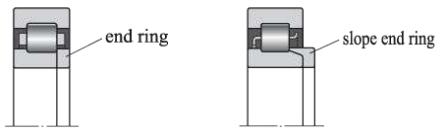
Types of bearing

WSW cylindrical roller bearings can be classified into following types:

- Sing -row cylindrical roller bearings
- Double -row cylindrical roller bearings
- Four -row cylindrical roller bearings

Single-row cylindrical roller bearings





NU Type and N Type

NU type cylindrical roller bearings have double ribs on the outer ring. The outer ring, rollers and the cage can be separated from inner ring.

N type cylindrical roller bearings have double ribs on the inner ring. The inner ring, rollers and the cage can be separated from the outer ring.

NU and N type cylindrical roller bearings permit the shaft move relatively to housing in axial direction. They can adapt to the position changes between the shaft and housing caused by the thermal expansion or the mounting error and is most suitable for free end shafts. They can only carry radial load and do not limit the axial displacement of shaft and housing.

NJ Type and NF Type

NJ type cylindrical roller bearings have double ribs on the outer ring, and single rib on the inner ring.

NF type cylindrical roller bearings have double ribs on inner ring and single rib on outer ring. They can carry a certain axial load in single direction.

NUP type and NH type

NUP type cylindrical roller bearings have double ribs on the outer ring and single rib and loose rib on inner ring .NH type cylindrical roller bearings have double ribs on the outer ring, single rib and angular ring on the inner ring. Their inner rings and outer rings can be mounted separately (with complete roller and cage assembly).These bearings can limit the axial movement of shaft and housing in double direction within the bearing axial clearance. Besides radial load, this type bearing can carry small axial load in two directions so they can be used on the fixed end of the shaft.

NCL ··· VType

NCL...V type V type cylindrical roller brearings do not have ribs and cage, but they have double snap rings on the outer ring.

This type bearing can carry heavier radial load with lower limit rotation speed in comparing with others cylindrical roller bearings with the same dimensions. Their outer ring and inner ring are not separable, can not be mounted separately.

These bearings can limit the axial displacement of shaft and housing in double direction within the bearing axial clearance.

NB Type

NB type bearings do not have ribs on inner and outer rings. There are lubricating holes on the outer ring. Their inner ring, outer ring and cage with rollers can be mounted separately. They can not limit the axial displacement of the shaft or housing and can not carry radial load.

NJ···VType

This type bearing has single rib on inner ring and does not have cage. This type bearing can carry heavier radial load with lower limit rotation speed in comparing with others cylindrical roller bearings with the same dimensions, they cannot limit the axial displacement of the shaft or housing within bearing's axial clearance, can not carry axial load.

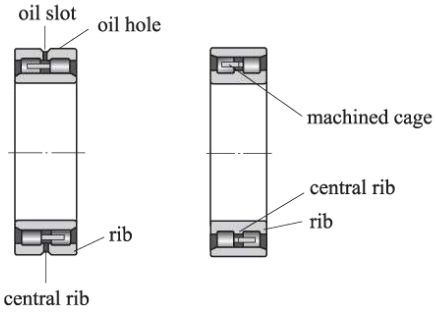
NCF···VType

NCF ···V type cylindrical roller bearings belong to short cylindrical roller bearings. This type bearing can carry heavier radial load with lower limit rotating speed comparing with others cylindrical roller bearings with the same dimensions, which can limit the axial displacement of the shaft or housing in two directions within bearing's axial clearance.

···N Type (with stop slots)

N types cylindrical roller bearings have stop slots on the outer ring. The stop slot is denoted with suffix N. The axial location of bearings in outer housing can be simplified by stop slots. The axial dimension can be shortened.

Double row cylindrical roller bearings



NN Type

NN type cylindrical roller bearings have ribs only on inner ring. The outer ring and inner ring assembly can be mounted separately. They can not limit the axial displacements of the shaft and outer housing, can only carry heavier radial load comparing with other cylindrical roller bearings with the same dimensions.

These bearings are mostly suitable for machine tool shafts due to compact structure and smaller deformation caused by load.

NN···K Type

The structure of NN···K type cylindrical roller bearings is the same as the NN type. The difference is that their inner bore is tapered, which makes easy to adjust the radial clearance and convenient to mount.

NNU Type and NNU···K Type

NNU, NNU···K type cylindrical roller bearings have ribs only on the outer rings. According to the shape of bores, they can be divided into cylindrical and tapered bores. They do not limit

the axial displacement of the shaft and outer cover, and can not carry axial load. But they can carry heavier radial load comparing with other cylindrical roller bearings with the same dimensions.

NNCF Type

NNCF type cylindrical roller bearings have three ribs on the inner ring and one rib on the outer ring. They can be located axially on one direction. One fixed ring equipped on the opposite of outer ring make the bearing.

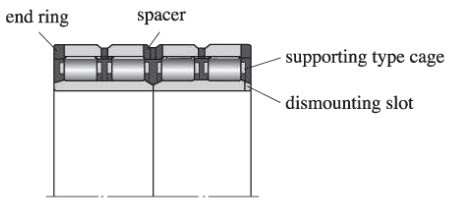
NNCL Type

NNCL type cylindrical roller bearings have three ribs only on inner rings and have stop slots on two sides of the outer ring which make the bearing become separable.

NNCS Type

NNCS types cylindrical roller bearings are separable with three ribs only on the inner ring, and one central locked ring on the middle of the outer ring. They can be mounted on the free end of shafts.

Four-row cylindrical roller bearings



Four-row cylindrical roller bearings can carry heavier radial load and shock load with higher manufacturing precision, and are suitable for application where the rotational speed is big.

It is favorable for rolling accuracy by simultaneous rubbing the inner raceway surface and mill rollers after pressing inner ring the into roller neck. The assembly clearances can be adjusted freely.

These bearings are mostly used on working roller or support rollers of cold ,hot rolling mills and banked rolling mills, also can be used on others applications.

FC: two ribs on the outer ring, single on the inner ring without ribs

FCD: double outer rings, double inner rings, no ribs on inner rings

FCDP: double outer rings with central ribs and a flat ring, double inner rings without ribs

Dimension scope

The boundary dimensions of **WSW** cylindrical roller bearing are listed in the bearings dimensions datasheet.

Inner diameter dimension range:
25m to 1900mm
Outer diameter dimension range:
52mm to 2300mm
Width dimension range: 13mm to 400mm

Tolerance

WSW manufactures single row, double row and four row cylindrical roller bearings with P0, P1, P2, P3 and P4 precision grade. Also **WSW** can manufacture double-row cylindrical roller bearing with SP, UP precision grade. The standard tolerance is listed in the preface tables.

Radial clearance

WSW manufactures single-row cylindrical roller bearings with C0, C3 and, C4 group clearances.

WSW manufactures double-row cylindrical rollerbearings with C1 group clearances. Senke manufactures double-row cylindrical bore cylindrical roller bearings with C2, C3 group clearance, and also manufactures tapered bore cylindrical roller bearings with C2 group clearance.

WSW manufactures four-row cylindrical roller bearings with C3 group clearance and other clearance group.

The standard clearance value is listed in the preface table.

WSW also manufactures the bearings with smaller or bigger radial clearance than normal one according to customer demands.

Cage

Normally, single-row cylindrical roller bearings use machined solid cages, pressed steel cages and nylon cages. But double-row cylindrical roller bearings mostly use machined brass cages, sometimes use nylon cages.

Four-row cylindrical roller bearings mostly use machined brass solid cages. For big size bearings, it is suitable to use machined solid supporting cages.

The code name of cages is denoted as followed:

1. The pressed steel cages are denoted with the suffix J, different structures are denoted with the suffix J, J1, J2...
2. Slot type cages are denoted with the suffix CJ.
3. Brass solid cages are denoted with suffix M.
4. When the outside diameter of bearings is bigger than 400mm, the code name of steel solid cages are not denoted. If guided by inner or outer rings, the material of cage and guide method should be denoted (A means outer ring guide, B means inner ring guide).
5. The solid brass cage for double-row cylindrical roller bearings is not denoted in code name.

Equivalent dynamic load

When only with radial load,

$$P = Fr$$

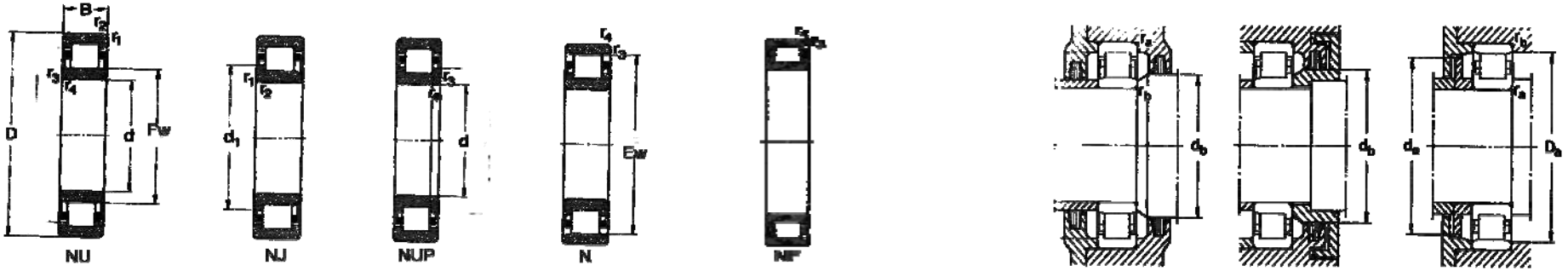
Equivalent static load

$$P_{0r} = Fr$$

Both of outer ring and inner ring of cylindrical roller bearings with ribs or end rings can carry a certain axial load when they carry radial load. In this case, the axial carrying load capacity depends on the end surface of roller, carrying load capacity of ribs, lubricating conditions and rotational speed.

Single-row Cylindrical Roller Bearing

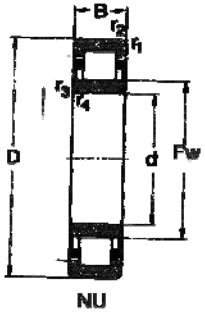
WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\,min}$	$d_{b\,min}$	$D_{a\,max}$	$D_{b\,max}$	r_{amax}	r_{bmax}	Refer.
100	180	34	2.1	2.1		160	190	260	3200	3800	N220M	2220	114			166	2	2	3.45
	180	34	2.1	2.1	119		190	260	3200	3800	NJ220EM			114	169		2	2	3.90
	180	34	2.1	2.1		160	190	260	3200	3800	NF220M	12220	114			166	2	2	3.55
	180	34	2.1	2.1	120		190	260	3200	3800	NU220M	32220		114	169		2	2	5.20
	180	34	2.1	2.1	119		190	260	3200	3800	NJ220EM	42220		114	169		2	2	3.90
	180	46	2.1	2.1	120		260	390	3200	3800	NU2220M	32520		114	169		2	2	5.20
	215	47	3	3	127.5		380	470	2400	3000	NU320EM	32320EH		116	202		2.5	2.5	8.35
	215	47	3	3		191.5	380	470	2400	3000	N320EM	2320EH	116			197	2.5	2.5	9.67
	215	73	3	3		185.5	440	630	2400	3000	N2320M	2620	116			197	2.5	2.5	13.1
	215	73	3	3	129.5		440	630	2400	3000	NU2320M	32620		116	197		2.5	2.5	13.2
	215	73	3	3	129.5		440	630	2400	3000	NJ2320M	42620		116	197		2.5	2.5	13.5
105	160	26	2	1.1	119.5	145.5	120	176	4000	4800	NF1021M	12121		114	150		2	1	1.93
	160	26	2	1.1		145.5	120	176	4000	4800	N1021M	2121	117			150	2	1	1.82
	190	36	2.1	2.1		168.8	210	290	3000	3600	N221M	2221	119			175	2	2	4.33
	190	36	2.1	2.1	126.8		210	290	3000	3600	NJ221M	42221		121	179		2	2	4.34
	225	49	3	3		201	420	550	2200	2800	N321EM	2321EH	121			203	2.5	2.5	10.5
	225	49	3	3	133		420	550	2200	2800	NU321EM	32321EH		121	212		2.5	2.5	10.6
	260	60	4	4		220.5	550	700	2200	2800	N421M	2421	121			224	3	3	17.2
110	170	28	2	1.1		155	148	203	3800	4500	N1022M	2122	122			160			2.31
	170	28	2	1.1	125		148	203	3800	4500	NU1022M	32122		119	157		2	1	2.32
	170	28	2	1.1	125		148	203	3800	4500	NJ1022M	42122		119	157		2	1	2.39
	200	38	2.1	2.1		178.5	255	340	2800	3400	N222M	2222	124			185	2	2	5.02
	200	38	2.1	2.1	132.5		255	340	2800	3400	NU222M	32222		124	185		2	2	5.05
	200	38	2.1	2.1	132.5		255	340	2800	3400	NJ222M	42222		124	185		2	2	5.10
	200	53			132		380	520	2800	3400	NU2222EC	32522	126	124	185	227	2	2	7.73
	240	50	3	3		211	430	540	2000	2600	N322EM	2322EH					2.5	2.5	11.4
	240	50	3	3	143	207	400	525	2000	2600	NU322M	32322		126	222		2.5	2.5	11.6

Single-row Cylindrical Roller Bearing

WSW

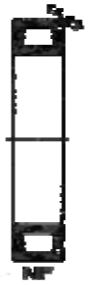


NU

NJ

NUP

N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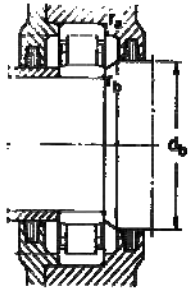
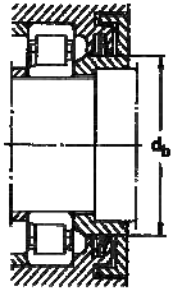
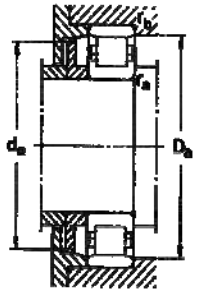


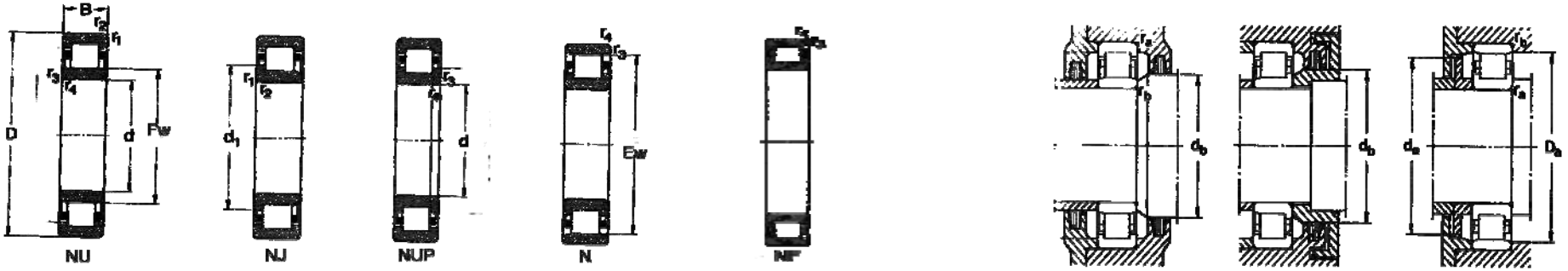




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
110	240	50	3	3	143	207	400	525	2000	2600	NJ322M	42322		126	222		2.5	2.5	11.8
	240	80	3	3	143		620	800	2000	2600	NU2322EM	32622EH		126	222		2.5	2.5	18.3
	280	65	4	4		235	580	735	2000	2600	N422M	2422	130			252	3	3	21.8
	280	65	4	4	155		580	735	2000	2600	NU422M	32422		135	252		3	3	22.0
	280	65	4	4	155		580	735	2000	2600	NJ422M	42422		135	252		3	3	22.3
120	180	28	2	1.1	135		139	210	3400	4000	NU1024M	32124		130	167		2	1	2.96
	180	28	2	1.1	135		139	210	3400	4000	NJ1024M	42124		130	167		2	1	3.09
	215	40	2.1	2.1		191.5	286	400	2400	3000	N224M	2224	134			199	2	2	6.11
	215	40	2.1	2.1	143.5		335	420	2400	3000	NU224EM	32224EH		134	199		2	2	6.27
	215	40	2.1	2.1	143.5		335	420	2400	3000	NJ224EM	42224EH		134	199		2	2	6.72
	215	58	2.1	2.1		191.5	360	550	2400	3000	N2224M	2524	134			199	2	2	8.92
	215	58	2.1	2.1	143.5		430	585	2400	3000	NU2224M	32524		134	199		2	2	9.31
	215	58	2.1	2.1	143.5		430	585	2400	3000	NJ2224M	42524		134	199		2	2	9.46
	215	58	2.1	2.1		195.5	410	620	2400	3000	NF2224EM	12524EH	130			199	2	2	9.72
	260	55	3	3		226	500	650	1900	2400	N324M	2324	136			242	2.5	2.5	15.1
	260	55	3	3		226	476	605	1900	2400	NF324M	12324	136			242	2.5	2.5	14.3
	260	55	3	3	154		530	610	1900	2400	NU324EM	32324EH		136	242		2.5	2.5	15.4
	260	86	3	3		226	680	980	1900	2400	N2324M	2624	136			242	2.5	2.5	23.9
	260	86	3	3	154		795	1030	1900	2400	NU2324EM	32624EH		136	242		2.5	2.5	23.1
	260	86	3	3	154		795	1030	1900	2400	NJ2324EM	42624EH		136	242		2.5	2.5	23.4
	310	72	5	5		260	710	920	1900	2400	N424M	2424	146			290	4	4	29.0
	310	72	5	5	170		710	920	1900	2400	NU424M	32424		146	290		4	4	29.1
	310	72	5	5	170		710	920	1900	2400	NJ424M	42424		146	290		4	4	29.7
130	200	33	2	1.1		182	180	280	3200	3800	N1026M	2126	142			189	2	1	4.52
	200	33	2	1.1	148		180	280	3200	3800	NU1026M	32126		140	187		2	1	4.66
	230	40	3	3	153.5		345	425	2200	2800	NU226EM	32226EH		146	212		2.5	2.5	7.90
	230	40	3	3	153.5		290	410	2200	2800	NJ226EM	42226		146	212		2.5	2.5	7.38
	230	64	3	3		204	400	630	2200	2800	N2226M	2526	146			212	2.5	2.5	11.6

Single-row Cylindrical Roller Bearing

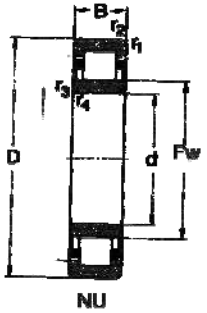
WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$d_{b\ min}$	$D_{a\ max}$	$D_{b\ max}$	r_{amax}	r_{bmax}	Refer.
130	230	64	3	3	153.5		530	735	2200	2800	NU2226EM	32526		146	212		2.5	2.5	12.5
	230	64	3	3	153.5		530	735	2200	2800	NJ2226EM	42526		146	212		2.5	2.5	12.9
	240	72			158		630	850	2200	2800	NJ2226X3			146	212				14.8
	280	58	4	4		243	550	720	1800	2200	N326M	2326	149			258	3	3	17.8
	280	58	4	4	167		615	735	1800	2200	NU326EM	32326EH		149	258		3	3	19.3
	280	58	4	4	167		615	735	1800	2200	NJ326EM	42326EH		149	258		3	3	19.5
	280	93				243	920	1230	1800	2200	N2326EM	2626EH	149			258	3	3	29.0
	280	93	4	4	167		920	1230	1800	2200	NU2326EM	32626EH		149	258		3	3	28.7
	280	93	4	4	167		920	1230	1800	2200	NJ2326EM	42626EH		149	258		3	3	28.9
	280	93	4	4	167		920	1230	1800	2200	NUP2326M	92626		149	258		3	3	30.5
140	210	53	2	2	158		330	630	2600	3400	NU3028M	3032128		152	196		2	2	7.64
	225	68	2.1	2.1	162.5		390	625	2600	3400	NU3128M	3032728		155	209		2	2	10.6
	250	42	3	3		221	345	490	2400	3000	N228M	2228	157			232	2.5	2.5	9.14
	250	42	3	3	169		395	515	2400	3000	NU228EM	32228EH		157	232		2.5	2.5	9.36
	250	42	3	3	169		395	515	2400	3000	NJ228EM	42228EH		157	232		2.5	2.5	9.43
	250	42	3	3	169		345	490	2400	3000	NUP228M	92228		157	232		2.5	2.5	9.51
	250	68	3	3	169		550	790	2000	2600	NU2228EM	32528EH		157	232		2.5	2.5	15.9
	250	68	3	3	169		475	760	2000	2600	NJ2228M	42528		157	232		2.5	2.5	14.8
	300	62	4	4		263.6	610	805	1900	2400	N328M	2328	160			278	3	3	21.9
	300	62	4	4		260	610	805	1900	2400	NF328M	12328	160			278	3	3	22.8
	300	62	4	4	180		665	880	1800	2200	NU328EM	32328EH		160	278		3	3	23.7
	300	62	4	4	180		610	805	1800	2200	NUP328M	92328		160	278		3	3	24.5
	300	102	4	4		260	880	1300	1800	2200	N2328M	2628	160			278	3	3	34.6
	300	102	4	4	180		1020	1380	1800	2200	NU2328EM	32628		160	278		3	3	35.8
	300	102	4	4	180		1020	1380	1800	2200	NJ2328EM	42628		160	278		3	3	41.0
	360	82	5	5	196		896	998	1700	2000	NJ428M	42428		160	278		4	4	46.3
150	210	28	2	1.1	165		164	252	2600	3200	NU1930M	1032930		160	196		2	1	2.98

Single-row Cylindrical Roller Bearing

WSW

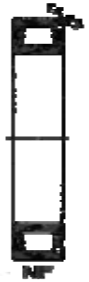


NU

NJ

NUP

N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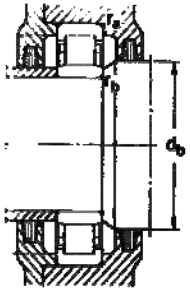
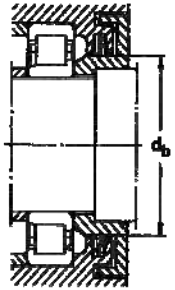
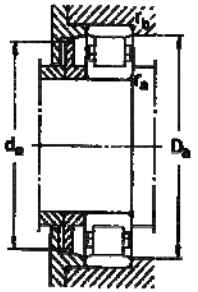


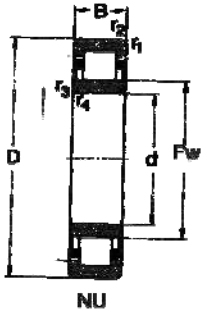




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
150	210	36	2	1.1	165		204	335	2600	3200	NU2930M	2032930		160	196		2	1	3.83
	225	35	2.1	1.5	169.5		202	294	2600	3200	NU1030M	32130		162	209		2	1.5	4.94
	225	35	2.1	1.5	169.5		202	294	2600	3200	NJ1030M	42130		162	209		2	1.5	5.05
	270	45	3	3		238	395	580	2000	2600	N230M	2230	167			251	2.5	2.5	11.6
	270	45	3	3	182		450	595	1900	2400	NU230EM	32230EH		167	251		2.5	2.5	12.5
	270	45	3	3	182		450	595	1900	2400	NJ230EM	42230EH		167	251		2.5	2.5	12.7
	270	45	3	3	182		450	595	1900	2400	NUP230EM	92230EH		167	251		2.5	2.5	13.0
	270	73	3	3	182		635	930	1900	2400	NU2230EM	32530EH		167	251		2.5	2.5	19.9
	270	73/143	3	3	182		635	930	1900	2400	NU2230EWB	32530K		167	251		2.5	2.5	23.3
	270	73	3	3	182		635	930	1900	2400	NJ2230EM	42530EH		167	251		2.5	2.5	21.4
		65	4	4		277	715	890	1700	2000	RN330		170				3	3	16.1
	320	65	4	4		280.8	715	890	1700	2000	N330M	2330	170			297	3	3	26.5
	320	65	4	4	193		750	1020	1700	2000	NU330EM	32330EH		170	297		3	3	26.8
	320	65	4	4	193		750	1020	1700	2000	NJ330EM	42330EH		170	297		3	3	27.2
	320	65	4	4	193		680	920	1700	2000	NUP330M	92330		170	297		3	3	27.4
	320	65/108	4	4	193		715	890	1700	2000	NU330-113			170	297		3	3	29.6
	320	108	4	4	193		1160	1600	1700	2000	NU2330EM	32630EH		170	297		3	3	41.5
	320	108	4	4	193		1160	1600	1700	2000	NJ2330EM	42630EH		170	297		3	3	42.4
	320	108	4	4	193		1160	1600	1700	2000	NF2330EM	12630EH		170	297		3	3	43.6
	320	128	4	4	193		1250	1900	1400	1800	NU3330M	3032330		170	297		3	3	49.9
	320	128	4	4	193		1250	1900	1400	1800	NJ3330M	3042330		170	297		3	3	51
160	220	36	2	2	173		240	450	2500	3200	NU2932M	2032932		170	206		1.5	1.5	4.08
	220	36	2	2	173		240	450	2500	3200	NJ2932M	2042932		170	206		1.5	1.5	4.17
	240	38	2.1	2.1	180		238	340	2400	3000	NU1032M	32132		172	224		2	2	5.96
	240	38	2.1	2.1	180		238	340	2400	3000	NJ1032M	42132		172	224		2	2	6.13
	290	48	3	3		257	460	650	1800	2200	N232M	2232	177			271	2.5	2.5	14.3
	290	48	3	3	193		500	665	1800	2200	NU232EM	32232EH		177	271		2.5	2.5	14.8

Single-row Cylindrical Roller Bearing

WSW



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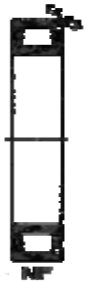
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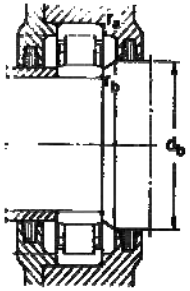
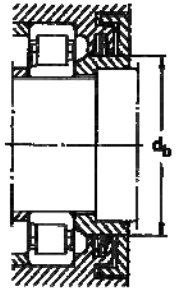
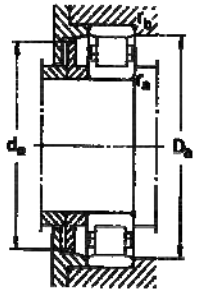


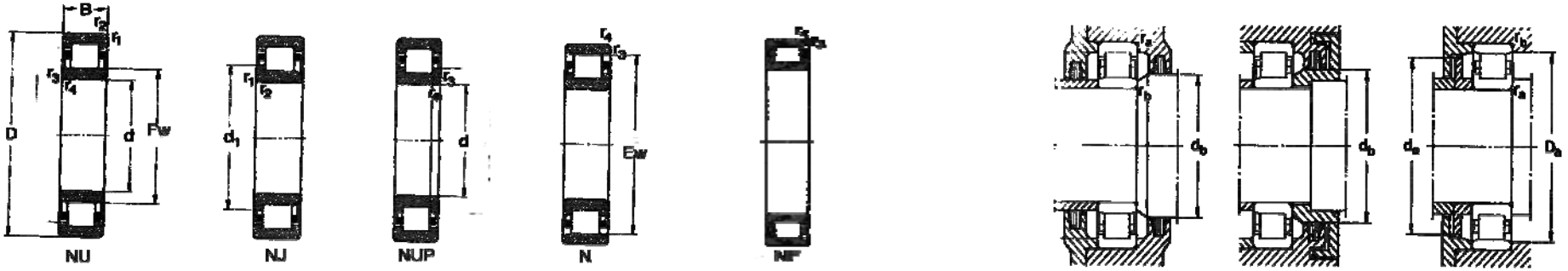




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
160	290	48	3	3	195		500	665	1800	2200	NJ232EM	42232EH		177	271		2.5	2.5	14.6
	290	48	3	3	193		500	665	1800	2200	NUP232EM	92232		177	271		2.5	2.5	15.5
	290	80	3	3	193		810	1190	1800	2200	NU2232EM	32532EH		177	271		2.5	2.5	24.2
	340	68	4	4		292	705	995	1500	1800	N332M	2332	180			317	3	3	30.63
	340	68	4	4	204		860	1050	1500	1800	NU332EM	32332EH		180	317		3	3	33.0
	340	68	4	4	204		860	1050	1500	1800	NJ332EM	42332EH		180	317		3	3	33.6
	340	114	4	4		292	1080	1650	1500	1800	N2332M	2632	180			317			51.6
	340	114	4	4	204		1310	1820	1500	1800	NU2332EM	32632EH		180	317		3	3	56.5
	340	136	4	4	208		1240	1850	1500	1800	NU3332M			180	317		3	3	63.0
170	215	34	1.1	1	181.5		187	385	2500	3200	NU3834M			179	204		1	1	2.99
	230	36	2	1.1	185		211	360	2500	3200	NU2934M	2032934		181	216		2	1	4.24
	260	42	2.1	2.1	193		287	415	2200	2800	NU1034M	32134		185	244		2	2	8.23
	260	42	2.1	2.1	193		287	415	2200	2800	NJ1034M	42134		185	244		2	2	8.46
	260	67	2.1	2.1	193		510	875	2200	2800	NU3034M	3032134		185	244		2	2	13.4
	280	88	2.1	2.1	200		665	1080	2000	2400	NU3134M	3032734		185	263		2	2	22
	310	52	4	4		272	520	780	1800	2200	N234M	2234	190			288	3	3	18.2
	310	52	4	4	208		475	635	1800	2200	NU234EM	32234EH		190	288		3	3	17.7
	310	52	4	4	208		475	635	1800	2200	NJ234EM	42234EH		190	288		3	3	18.1
	310	86	4	4	205		925	1330	1800	2200	NU2234EM	32534EH		190	288		3	3	31.5
	310	110	4	4	208	310	915	1470	1800	2200	NU3234M		190	190	288	337	3	3	37.9
	360	72	4	4			795	1010	1400	1700	N334M	2334					3	3	37.3
	360	72	4	4	220		795	1010	1400	1700	NU334M	32334		190	337		3	3	37.7
	360	72	4	4	220		795	1010	1400	1700	NJ334M	42334		190	337		3	3	38.4
	360	86	4	4	205		960	1500	1800	2200	NU2234EM	32534EH		190	337		3	3	29.0
	360	120	4	4	220		1220	1750	1400	1700	NU2334M	32634		190	337		3	3	63.7
	360	120	4	4	220		1220	1750	1400	1700	NJ2334M	42634		190	337		3	3	64.7
	360	140	4	4	220		1350	1980	1400	1700	NU3334M			190	337		3	3	72.1
180	225	34	2.1	2.1	191.5		192	405	2200	2800	NU3836M			189	214		2	2	3.15

Single-row Cylindrical Roller Bearing

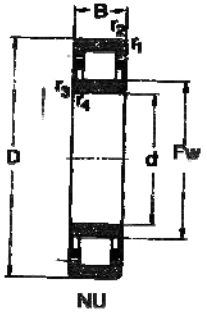
WSW

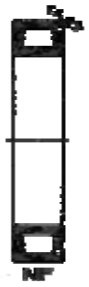


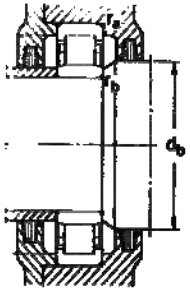
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\,min}$	$d_{b\,min}$	$D_{a\,max}$	$D_{b\,max}$	r_{amax}	r_{bmax}	Refer.
180	250	33	2.1	2.1	198		219	355	2200	2800	NU1936M	1032936		191	236		2	2	4.92
	250	42	2.1	2.1	198		255	430	2200	2800	NU2936M	2032936		191	236		2	2	6.18
	280	46	2.1	2.1	205		380	565	1800	2400	NU1036EM	32136EH		195	263		2	2	10.2
	280	46	2.1	2.1	205		380	565	1800	2400	NJ1036EM	42136EH		195	263		2	2	10.8
	280	74	2.1	2.1	206		365	955	1800	2400	NU3036M	3032136		195	263		2	2	17.4
	320	52	4	4	217		625	850	1700	2000	NU236EM	32236EH		200	297		3	3	18.0
	320	52	4	4	217		625	850	1700	2000	NJ236EM	42236EH		200	297		3	3	18.6
	320	52	4	4	217		625	850	1700	2000	NUP236EM	92236EH		200	297		3	3	21.4
	320	86	4	4	215		1010	1510	1700	2000	NU2236EM	32536EH		200	297		3	3	30.3
	320	86	4	4	215		1010	1510	1700	2000	NJ2236EM	42536EH		200	297		3	3	31.0
	320	86	4	4	215		960	1580	1700	2000	NUP2236M	92536		200	297		3	3	32.1
	320	112	4	4	218		950	1560	1700	2000	NU3236M	3032236		200	297		3	3	39.6
	380	75	4	4		330	910	1150	1500	1800	N336M	2336	200			356	3	3	39.6
	380	75	4	4	230		910	1150	1500	1800	NU336M	32336		200	356		3	3	43.5
	380	126	4	4	232		1380	1990	1300	1600	NU2336M	32636		200	356		3	3	68.9
	380	126	4	4	232		1380	1990	1300	1600	NJ2336M	42636		200	356		3	3	69.5
	380	150	4	4	232		1600	2410	1300	1600	NU3336M			200	356		3	3	86.4
190	240	30	2.1	2.1	203		180	355	2200	2800	NU2838M	2032838		202	227		2	2	3.22
	260	42	2.1	2.1	208		260	450	2200	2800	NU2938M	2032938		201	245		2	2	6.42
	290	46	2.1	2.1	215		365	535	2000	2600	NU1038M	32138		206	273		2	2	10.7
	290	75	2.1	2.1	219		565	1010	1800	2200	NU3038M	3032138		206	273		2	2	18.3
	340	55	4	4	230		695	955	1600	1900	NU238EM	32238EH		211	317		3	3	21.6
	340	55	4	4	230		695	955	1600	1900	NJ238EM	42238EH		211	317		3	3	22.0
	340	55	4	4	230		695	955	1600	1900	NUP238EM	92238EH		211	317		3	3	22.3
	340	92	4	4	228		1100	1670	1600	1900	NU2238EM	32538EH		211	317		3	3	39.5
	340	120	4	4	231		1070	1780	1400	1600	NU3238M	3032238		211	317		3	3	49.3
	400	78	5	5		345	975	1260	1200	1500	N338M	2338	215			372	4	4	48.5
	400	78	5	5	245		975	1260	1200	1500	NU338M	32338		215	372		4	4	50.2

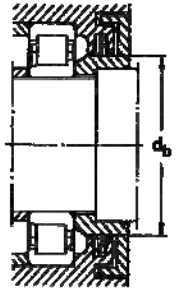
Single-row Cylindrical Roller Bearing

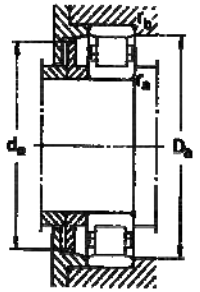
WSW







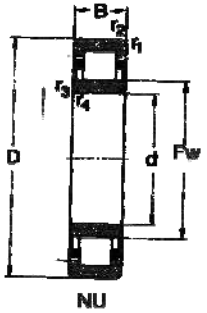




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
190	400	78	5	5	245		975	1260	1200	1500	NJ338M	42338		215	372		4	4	49.4
	400	132	5	5	245		1520	2220	1200	1500	NU2338M	32638		215	372		4	4	84.9
	400	155	5	5	245		1730	2630	1200	1500	NU3338M			215	372		4	4	99.2
200	280	38	2.1	2.1	220		268	425	2200	2800	NU1940M	1032940		216	263		2	2	7.22
	280	48	2.1	2.1	220		365	630	2200	2800	NU2940M	2032940		213	263		2	2	9.24
	280	48	2.1	2.1	222		365	630	2200	2800	NJ2940M	2042940		213	263		2	2	9.70
	310	51	2.1	2.1	227		450	720	1900	2400	NU1040M	32140		216	293		2	2	14.3
	310	51	2.1	2.1	227		450	720	1900	2400	NJ1040EM	42140EH		216	293		2	2	14.7
	340	112	3	3	233		1190	1850	1900	2400	NU3140M	3032140		218	320		2.5	2.5	41.4
	360	58	4	4		316	675	995	1500	1800	N240M	2240	221			337	3	3	26.7
	360	58	4	4	243		765	1060	1500	1800	NU240EM	32240EH		221	337		3	3	26.8
	360	58	4	4	244		765	1060	1500	1800	NJ240EM	42240EH		221	337		3	3	27.1
	360	58	4	4	244	325	765	1060	1500	1800	NUP240EM	92240EH	221	221	337	337	3	3	28.2
	360	98	4	4			1220	1870	1500	1800	N2240EM	2540EH					3	3	44.9
	360	98	4	4	241		1220	1870	1500	1800	NU2240EM	32540EH		221	337		3	3	45.1
	360	98	4	4	244		960	1600	1500	1800	NJ2240M	42540		221	337		3	3	45.5
	360	128	4	4	244		1100	1810	1500	1800	NU3240M	3032240		221	337		3	3	58
	420	80	5	5	260		975	1270	1500	1800	NU340M	32340		225	392		4	4	56.8
	420	138	5	5		364	1620	2640	1200	1500	N2340M	2640	225			392	4	4	94.5
	420	138	5	5	260		1510	2240	1200	1500	NU2340M	32640		225	392		4	4	96.8
	420	165	5	5	260		1730	2660	1200	1500	NU3340M	3032340		225	392		4	4	115
220	300	38	2.1	1.5	240	280	295	495	1900	2400	NU1944M	1032944	236	233	283	286	2	1.5	7.88
	300	48	2.1	1.5	240	280	370	660	1900	2400	NU2944M	2032944	236	233	283	286	2	1.5	9.93
	340	56	3	3	250		500	750	1800	2200	NU1044M	32144		238	320		2.5	2.5	18.2
	340	56	3	3	250		500	750	1800	2200	NJ1044M	42144		238	320		2.5	2.5	19.6
	400	65	4	4		350	760	1200	1500	1800	N244M	2244	241			376	3	3	36.7
	400	65	4	4	270		760	1200	1500	1800	NU244M	32244		241	376		3	3	34.7
	400	65	4	4	270		760	1200	1500	1800	NJ244M	42244		241	376		3	3	35.4

Single-row Cylindrical Roller Bearing

WSW



NU

NJ

NUP

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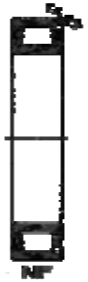
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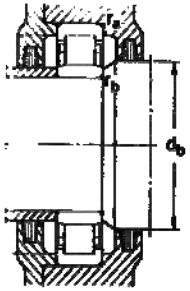
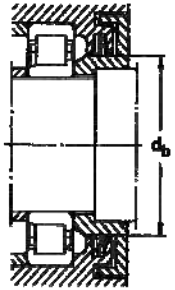
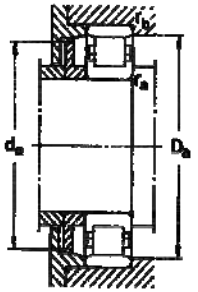


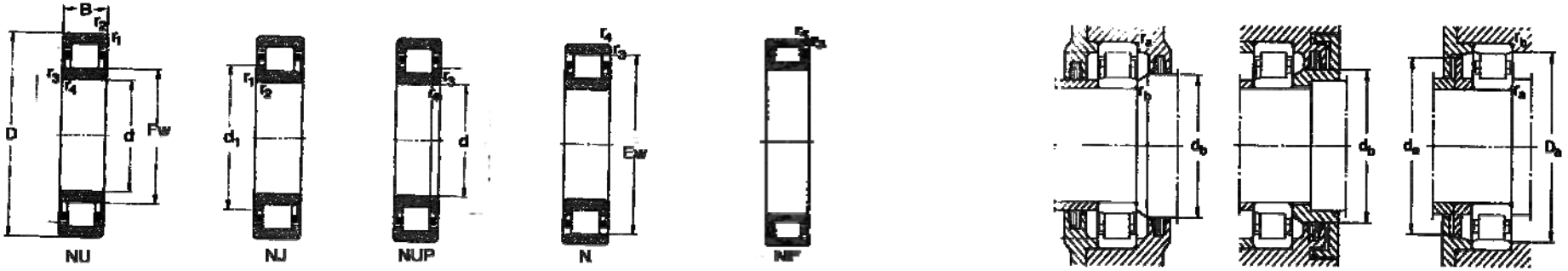




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
220	400	108	4	4	270		1140	1810	1300	1600	NU2244M	32544		241	376		3	3	61.8
	400	108	4	4	270		1140	1810	1300	1600	NJ2244M	42544		241	376		3	3	63.0
	460	145	5	5		407	1780	2620	1000	1300	N2344EM	2644EH	245			431	4	4	114.0
	460	145	5	5	284		1780	2620	1000	1300	NU2344EM	32644EH		245	431		4	4	120.0
	460	180			284		2130	3300	800	1100	NU3344M/HC			245	431		4	4	140.6
240	320	38	2.1	2.1	260		315	550	2000	2400	NU1948M	1032948		253	302		2	2	8.68
	320	48	2.1	2.1	260		385	710	2000	2400	NU2948M	2032948		253	302		2	2	10.7
	360	56	3	3	270		530	820	1700	2000	NU1048M	32148		259	340		2.5	2.5	21.2
	440	72	4	4	295		985	1540	1300	1600	NU248M	32248		262	415		3	3	46.9
	440	72	4	4	295		935	1340	1300	1600	NJ248M	42248		262	415		3	3	51.0
	440	72	4	4	295		935	1340	1300	1600	NUP248M	92248		262	415		3	3	51.4
	440	120	4	4	295		1440	2320	1000	1300	NU2248M	32548		262	415		3	3	84.9
	440	120	4	4	295		1440	2320	1000	1300	NJ2248M	42548		262	415		3	3	86.7
	500	95	5	5		430	1400	2200	1000	1300	N348M	2348	266			470	4	4	94.6
	500	95	5	5	310		1400	2200	1000	1300	NU348M	32348		266	470		4	4	96.3
	500	155	5	5	310		2000	2990	1000	1300	NU2348M	32648		266	470		4	4	152
260	360	46	2.1	2.1	286		435	760	1900	2200	NU1952M	1032952		277	342		2	2	14.4
	360	60	2.1	2.1	286		535	995	1900	2200	NU2952M	2032952		277	342		2	2	18.6
	400	65	4	4	296		645	1000	1500	1800	NU1052M	32152		282	376		3	3	29.1
	400	65	4	4	296		645	1000	1500	1800	NUP1052M	92152		282	376		3	3	37.2
	480	80	5	5	320		985	1800	1100	1400	NU252M	32252		286	450		4	4	67.2
	480	82	5	5	294		1100	1800	1100	1400	NU2052EM	2032152EH		283	450		4	4	40.5
	480	130	5	5	320		1710	2770	900	1200	NU2252M	32552		286	450		4	4	111
	540	102	6	6	336		1540	2090	900	1200	NU352M	32352		292	503		5	5	118
	540	165	6	6	336		2230	3350	900	1200	NU2352M	32652		292	503		5	5	190
280	350	42	2	2	299		325	705	1800	2200	NU2856M			295	334		2	2	9.16
	350	52	2	1.1	298		435	985	1700	2000	NU3856M			293	334		2	1	11.6
	380	46	2.1	2.1	306		450	815	1800	2200	NU1956M	1032956		297	361		2	2	15.2

Single-row Cylindrical Roller Bearing

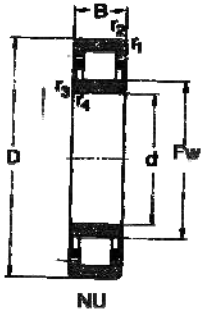
WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$d_{b\ min}$	$D_{a\ max}$	$D_{b\ max}$	r_{amax}	r_{bmax}	Refer.
280	380	60	2.1	2.1	307		575	1150	1500	1800	NU2956M	2032956		297	361		2	2	20.2
	420	65	4	4	316		660	1050	1400	1700	NU1056M	32156		302	395		3	3	30.8
	420	65	4	4	316		660	1050	1400	1700	NJ1056M	42156		302	395		3	3	32.2
	500	80	5	5	340		1140	1680	1000	1300	NU256M	32256		306	470		4	4	70.7
	500	130	5	5	340		1770	2950	900	1200	NU2256M	32556		306	470		4	4	117
	580	175	6	6	362		2570	3950	900	1200	NU2356M	32656		313	542		5	5	236
300	420	56	3	3	332		555	975	1600	2000	NU1960M	1032960		320	398		2.5	2.5	24.4
	420	72	3	3	332		725	1370	1400	1700	NU2960M	2032960		320	398		2.5	2.5	30.3
	460	74	4	4	340		885	1400	1200	1500	NU1060M	32160		323	435		3	3	44.9
	460	74	4	4	340		885	1400	1200	1500	NJ1060M	42160		323	435		3	3	46.3
	540	85	5	5	364		1400	2070	1000	1300	NU260M	32260		327	509		4	4	86.9
	540	85	5	5	364		1400	2070	1000	1300	NUP260M	92260		327	509		4	4	90
	540	140	5	5	365		1960	3200	900	1100	NU2260M	32560		327	509		4	4	145
320	620	109	7.5	7.5	385		2200	3350	900	1100	NU360M	32360		357	590		7	7	166
	440	56	3	3	352		580	1050	1100	1400	NU1964M	1032964		340	418		2.5	2.5	25.7
	440	72	3	3	352		755	1470	1100	1400	NU2964M	2032964		340	418		2.5	2.5	33.5
	480	74	4	4	360		905	1470	1100	1400	NU1064M	32164		343	454		3	3	47.8
	480	74	4	4	360		905	1470	1100	1400	NJ1064M	42164		343	454		3	3	47.8
	480	74	4	4	360		905	1470	1100	1400	NUP1064M	92164		343	454		3	3	49.1
	540	176	5	5	374		2740	4700	800	1200	NU3164M	3032764		347	509		4	4	170
	580	92	5	5	390		1540	2270	900	1200	NU264M	32264		347	548		4	4	112
340	580	150	5	5	390		2260	3700	900	1200	NU2264M	32564		347	548		4	4	181
	420	48	2.1	1.5	362		435	1010	1200	1500	NU2868M			355	400		2	1.5	14.9
	420	60	2.1	2.1	362		515	1250	1200	1500	NU3868M			359	400		2	2	18.6
	460	56	3	3	372		600	1120	1100	1400	NU1968M	1032968		361	438		2.5	2.5	27.1
	460	72	3	3	370		780	1570	1100	1400	NU2968M	2032968		361	438		2.5	2.5	33.7
	520	82	5	5	385		1080	1740	1000	1300	NU1068M	32168		368	490		4	4	61.8
	580	190	5	5	399		3500	6250	700	1000	NU3168M	3032768		368	548		4	4	214

Single-row Cylindrical Roller Bearing

WSW



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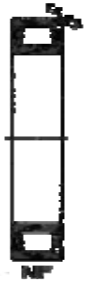

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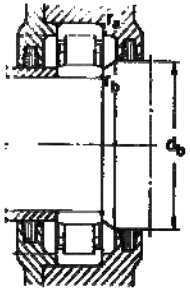
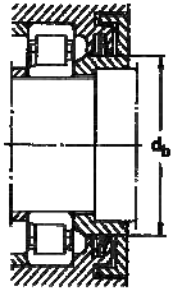
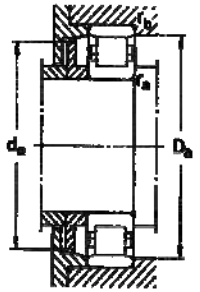


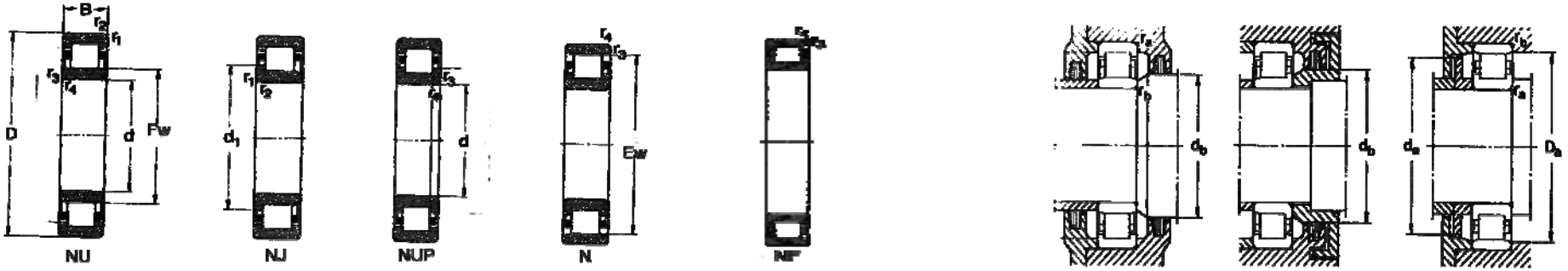




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
340	620	92	6	6	420		1590	2410	900	1200	NU268M	32268		374	582		5	5	128
360	480	56	3	3	392		605	1160	1200	1500	NU1972M	1032972		381	457		2.5	2.5	28.8
	480	72	3	3	392		790	1630	1000	1300	NU2972M	2032972		381	457		2.5	2.5	36.7
	540	82	5	5	405		1110	1830	900	1100	NU1072M	32172		388	509		4	4	64.1
	650	95	6	6	445		1650	2560	900	1100	NU272M	32272		394	611		5	5	144
	650	170	6	6	435		3500	6050	800	100	NU2272M	32572		394	611		5	5	258
	750	224	7.5	7.5	455		4950	8700	700	850	NU2372M	32672		420	690		7	7	480
380	480	60	2.1	2.1	406		550	680	950	1200	NUP2876Q1	2092876Q		396	460		2	2	27.0
	520	65	4	4	418		775	1470	950	1200	NU1976M	1032976		404	493		3	3	41.2
	560	82	5	5	425		1140	1910	950	1200	NU1076M	32176		408	529		4	4	67.5
	560	135	5	5	433		1740	3600	850	1000	NU3076M	3032176		408	529		4	4	117
	620	194	5	5	440		3350	6400	850	1000	NU3176M	3032776		408	588		4	4	238
	680	95	6	6	470		1700	2700	850	1000	NU276M	32276		415	640		5	5	158
400	680	175	6	6	460		3100	5250	750	900	NU2276M	32576		415	640		5	5	290
	500	75	2.1	2.1	427		785	1900	1000	1200	NU3880M			420	479		2	2	34.2
	540	65	4	4	438	502	785	1520	1000	1200	NU1980M	1032980		425	513		3	3	43
	540	82	4	4	438	502	1060	2250	900	1100	NU2980M	2032980		425	513		3	3	54.9
	600	90	5	5	450	550	1360	2280	900	1100	NU1080M	32180		429	568		4	4	88.2
	600	90	5	5	450	550	1360	2280	900	1100	NJ1080M	42180		429	568		4	4	90.6
	600	148	5	5	458	548	2150	4450	800	950	NU3080M	3032180		429	568		4	4	150
420	720	185	6	6	485		4300	7800	800	950	NU2280	32580		435	680		5	5	344
	520	75	2.1	2.1	447		800	1990	900	1100	NU3884M			440	498		2	2	35.4
	560	65	4	4	458		830	1660	900	1100	NU1984M	1032984		445	533		3	3	45.0
	560	65	4	4	458		830	1660	900	1100	NJ1984M	1042984		445	533		3	3	47.4
	560	82	4	4	458	522	1080	2320	900	1100	NU2984M	2032984		445	533		3	3	58.2
	620	90	5	5	470	570	1390	2380	900	1100	NU1084	32184		449	588		4	4	91.7
	620	150	5	5	478	568	2190	4600	750	900	NU3084	3032184		449	588		4	4	158

Single-row Cylindrical Roller Bearing

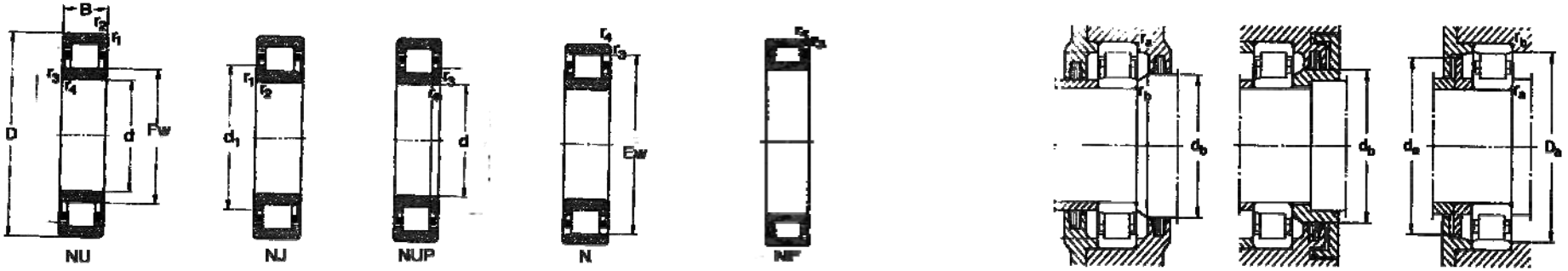
WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$d_{b\ min}$	$D_{a\ max}$	$D_{b\ max}$	r_{amax}	r_{bmax}	Refer.
420	760	195	7.5	7.5	515		4400	8200	750	900	NU2284	32584		462	713		6	6	406
440	600	95	4	4	484		1300	2760	900	1100	NU2988	2032988		466	572		3	3	79.9
	650	94	6	6	493		1470	2530	850	1000	NU1088	32188		476	611		5	5	105
	720	226	6	6	508		4750	9800	700	850	NU3188	3032788		480	700		5	5	374
	790	200	7.5	7.5	530		4850	8650	700	850	NU2288	32588		482	742		6	6	446
460	620	74	4	4	500		1170	2260	800	950	NU1992	1032992		486	591		3	3	63.2
	620	95	4	4	502		1650	2930	800	950	NU2992	2032992		486	591		3	3	83.1
	620	95	4	4	502		1650	2930	800	950	NUP2992	2092992		486	591		3	3	85.0
	680	100	6	6	516		1580	2740	800	950	NU1092	32192		496	640		5	5	123
	680	163	6	6	523		2570	5400	600	750	NU3092	3032192		496	640		5	5	207
	760	240	7.5	7.5	531		4950	10400	400	480	NU3192	3032792		506	730		6	6	467
	830	212	7.5	7.5	560		4500	7900	400	480	NU2292	32592		502	782		6	6	521
480	650	78	5	5	525		1200	2390	400	480	NU1996	1032996		510	617		4	4	75.0
	650	100	5	5	525		1600	3450	400	480	NU2996	2032996		510	617		4	4	98.5
	700	100	6	6	536		1620	2860	400	480	NU1096	32196		517	660		5	5	125
	700	165	6	6	543		2620	5600	400	480	NU3096	3032196		517	660		5	5	217
500	670	78	5	5	544		1190	2120	750	900	NU19/500	10329/500		529	648		4	4	79.0
	670	100	5	5	543		1870	4300	750	900	NU29/500	20329/500		529	648		4	4	101
	670	128	5	5	543		2060	4960	700	850	N39/500E	30029/500		529	648		4	4	135
	720	100	6	6	556		1660	2970	670	800	NU10/500	321/500		537	680		5	5	131
	720	128	6	6	553		2720	5600	630	750	NU20/500	20321/500		537	680		5	5	180
	720	167	6	6	554		3500	7650	600	700	NU30/500	30321/500		537	680		5	5	232
	830	264	7.5	7.5	576		6200	1100	500	600	NU31/500E	30327/500		537	680		5	5	595
	920	185	7.5	7.5	604		5180	8450	560	670	NU12/500			533	887		6	6	585
530	650	72	3	3		622	1160	2800	750	900	NF28/530	20128/530		544	636		2.5	2.5	52.2
	650	72	3	3	560.5		1170	2750	750	900	NJ28/530	20428/530		544	636		2.5	2.5	52.0

Single-row Cylindrical Roller Bearing

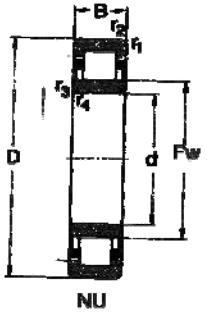
WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\,min}$	$d_{b\,min}$	$D_{a\,max}$	$D_{b\,max}$	r_{amax}	r_{bmax}	Refer.
530	710	82	5	5	575		1460	2910	750	900	NU19/530	10329/530		566	690		4	4	92.0
	710	106	5	5	573		2180	4600	750	900	NU29/530	20329/530		566	690		4	4	119
	710	106	5	5	573		2180	4600	700	850	NUP29/530	20929/530		566	690		4	4	125
	780	112	6	6	593		2200	4050	670	800	NU10/530	321/530		570	754		5	5	190
	780	145	6	6	591		3500	7100	560	670	NU20/530	20321/530		570	754		5	5	255
	780	185	6	6		724	4000	8200	560	670	N30/530	30021/530	587			754	5	5	310
	870	272	7.5	7.5		801	6500	11200	480	560	N31/530	30027/530	611			834	6	6	680
	980	355	9.5	9.5	645		9150	17400	420	520	NU32/530	30322/530		582	921		8	8	1230
560	680	56	3	3	591		780	1750	700	850	NJ18/560	10428/560		584	647		2.5	2.5	44.5
	680	72	3	3	594		985	2610	700	850	NU28/560	20328/560		585	653		2.5	2.5	55.6
	750	85	5	5	608		1510	3100	670	800	NU19/560	10329/560		592	715		4	4	110
	820	115	6	6	625		2120	3980	630	750	NU10/560	321/560		586	794		5	5	210
	820	115	6	6	625		2120	3980	630	750	NJ10/560	421/560		586	794		5	5	210
	820	150	6	6	626		3650	6890	530	630	NU20/560	20321/560		586	794		5	5	290
	1030	206	9.5	9.5	668		6970	10200	480	560	NU12/560	10322/560		600	990		8	8	805
600	730	60	3	3	632		865	1990	670	800	NU18/600	10328/600		625	716		2.5	2.5	50.5
	730	78	3	3	635		1180	3050	670	800	NU28/600	20328/600		626	716		2.5	2.5	68.0
	800	90	5	5	655		1590	3400	630	750	NU19/600	10329/600		642	780		4	4	130
	800	90	5	5	655		1590	3400	630	750	NUP19/600	10929/600		642	780		4	4	140
	800	90	5	5	655		1590	3400	630	750	NF19/600	10129/600	736			780	4	4	135
	800	118	5	5	649		2760	6500	630	750	NU29/600	20329/600		620	780		4	4	157
	800	118	5	5	649		2760	6500	630	750	NUP29/600	20929/600		620	780		4	4	165
	870	118	6	6	661		2650	5050	600	700	NU10/600	321/600		626	844		5	5	245
	870	155	6	6	661		3970	7800	500	600	NU20/600	20321/600		626	844		5	5	325
	870	200	6	6		814	4890	9860	500	600	N30/600	30321/600	626			844	5	5	415
630	780	88	4	4		743	1460	3780	630	750	N28/630	20028/630	646			764	3	3	100
	780	88	4	4	668		1460	3780	630	750	NU28/630	20328/630		646	764		3	3	98.0

Single-row Cylindrical Roller Bearing

WSW



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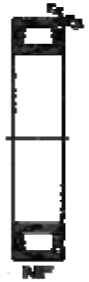

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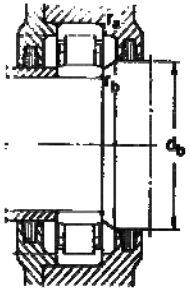
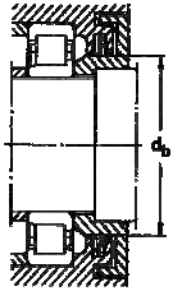
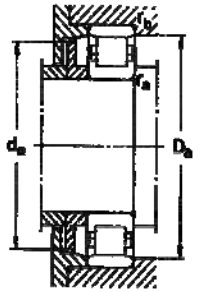


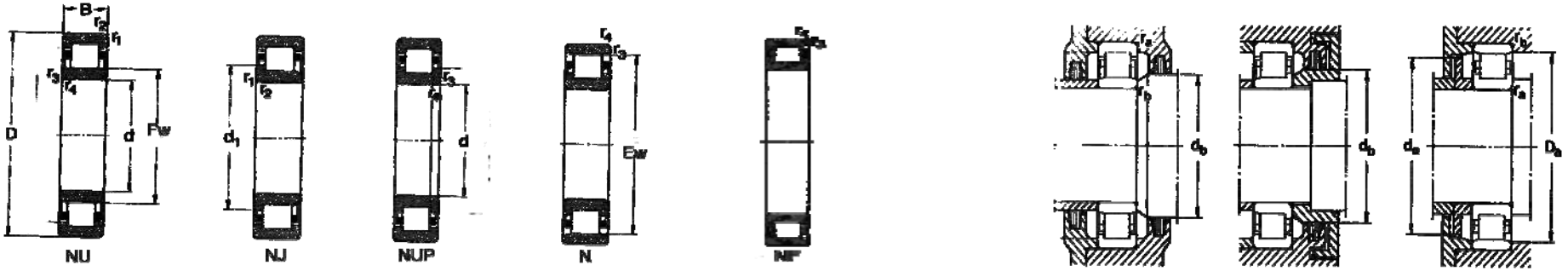




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	r1.2min	r3.4min	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	da min	db min	Da max	Db max	ramax	r bmax	Refer.
630	780	112	4	4		745	2100	5400	560	670	N38/630	30028/630	646			764	3	3	120
	780	112	4	4		745	2100	5400	560	670	NF38/630	30128/630	646			764	3	3	125
	850	100	6	6	688		1850	3900	600	700	NU19/630	10329/630		656	824		5	5	160
	850	128	6	6	683		3100	6800	600	700	NU29/630	20329/630		656	824		5	5	220
	850	128	6	6	683		3100	6800	600	700	NUP29/630	20929/630		656	824		5	5	230
	920	128	7.5	7.5	702		3200	6000	450	530	NU10/630	10321/630		666	887		6	6	285
	920	128	7.5	7.5	702		3200	6000	450	530	NUP10/630	10921/630		666	887		6	6	285
	920	170	7.5	7.5	699		4500	9000	480	560	NU20/630	20321/630		666	887		6	6	285
	920	212	7.5	7.5	699		6230	1420	450	530	NU30/630	30321/630		666	887		6	6	490
670	820	69	4	4	708		1190	2540	560	670	NJ18/670	10428/670		700	787		3	3	84.5
	820	88	4	4	711		1500	3950	560	670	NU28/670	20328/670		700	787		3	3	103
	820	112	4	4	711		1920	5200	530	630	NU38/670	30328/670		700	787		3	3	128
	900	103	6	6	728		2100	4500	530	630	NU19/670	10329/670		696	874		5	5	195
	900	103	6	6	728		2100	4500	530	630	NUP19/670	10929/670		696	874		5	5	195
	980	136	7.5	7.5	747		3500	5890	430	500	NU10/670	10321/670		703	947		6	6	350
	980	180	7.5	7.5	746		5160	9800	430	500	NU20/670	20321/670		703	947		6	6	480
	980	230	7.5	7.5	744	914	6420	12100	430	500	NU30/670	30321/670		703	947		6	6	600
710	870	74	4	4	750		1400	3080	530	630	NU18/710	10328/710		726	854		3	3	97.5
	870	95	4	4		831	1870	4650	530	630	N28/710	20028/710	726			854	3	3	130
	950	106	6	6	770		2350	5500	500	600	NU19/710	10329/710		736	924		5	5	214
	950	140	6	6	766		3450	8400	500	600	NU29/710	20329/710		736	924		5	5	295
	950	140	6	6	766		3450	8400	500	600	NUP29/710	20929/710		736	924		5	5	300
	1030	140	7.5	7.5	778		4500	8500	430	500	NU10/710	321/710		743	997		6	6	415
710	1030	185	7.5	7.5	787		5600	11200	400	480	NU20/710	20321/710		743	997		6	6	540
750	920	78	5	5	794		1240	3240	500	600	NU18/750			770	900		4	4	110
	920	100	5	5	797		1860	5000	500	600	NU28/750			786	882		4	4	145
	1000	112	6	6		943	2600	5760	480	560	NF19/750		776			974	5	5	265
	1090	150	7.5	7.5	832		4650	8600	360	430	NU10/750			783	1057		6	6	490

Single-row Cylindrical Roller Bearing

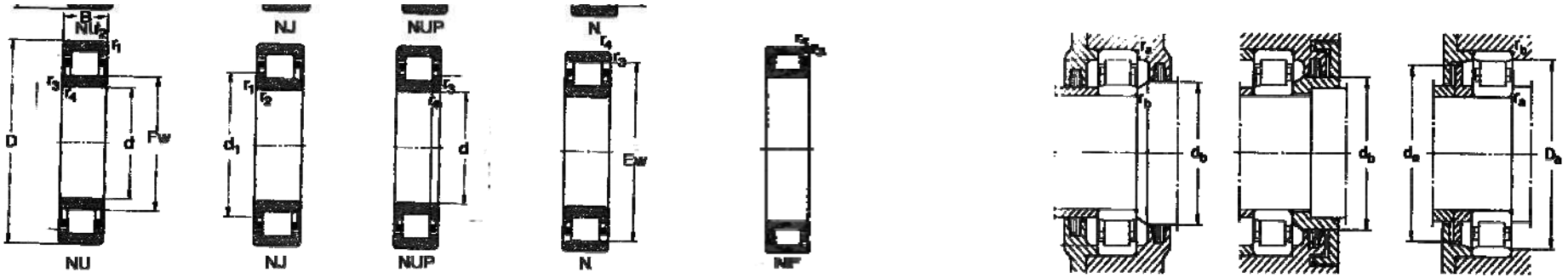
WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$d_{b\ min}$	$D_{a\ max}$	$D_{b\ max}$	r_{amax}	r_{bmax}	Refer.
750	1090	195	7.5	7.5	832		6700	13800	360	430	NU20/750			783	1057		6	6	635
800	980	82	5	5	848		1650	3980	450	530	NJ18/800			837	940		4	4	145
	980	136	5	5	848		2530	7050	400	480	NU38/800			837	940		4	4	219
	1060	115	6	6	870		2760	6150	430	500	NU19/800			843	1013		5	5	282
	1060	150	6	6	873		3550	8570	400	480	NU29/800			843	1013		5	5	385
850	1030	106	5	5	900		2130	5950			NU28/850			888	989		4	4	183
	1120	118	6	6	925		2780	6350			NU19/850			894	1072		5	5	320
	1120	155	6	6	917		4450	10500			NU29/850			894	1072		5	5	426
900	1090	85	5	5	949		1890	4500			NU18/900			939	1048		4	4	170
	1090	112	5	5	950		2580	7100			NU28/900			939	1048		4	4	217
	1090	140	5	5	950		2990	8600			NU38/900			939	1048		4	4	269
	1180	165	6	6	969		5000	11000			NU29/900			939	1048		5	5	560
950	1250	175	7.5	7.5	1024		5160	12000			NU29/950	20329/950		983	1217		6	6	584
1000	1220	100	6	6	1053		2550	6060			NU18/1000			1026	1194		5	5	265
	1220	128	6	6	1058		3200	8850			NU28/1000			1047	1170		5	5	319
	1220	128	6	6		1165	3220	8880			NF28/1000		1026			1194	5	5	350
	1220	128	6	6	1053		3220	8880			NJ28/1000			1026	1194		5	5	345
1060	1280	128	6	6	1225		3450	10200			N28/1060		1086			1254	5	5	360
	1280	165	6	6	1120		3750	11300			NU38/1060			1108	1228		5	5	427
	1400	195	7.5	7.5	1142		6900	16700			NU29/1060			1093	1367		6	6	870
	1400	250	7.5	7.5	1146		8900	23900			NU39/1060			1093	1367		6	6	1070
1120	1360	106	6	6	1182		3400	8500			NJ18/1120			1146	1334		5	5	335
	1360	140	6	6		1296	3880	10200			N28/1180		1146			1334	5	5	465
	1360	180	6	6	1180		5700	17300			NU38/1120			1169	1307		5	5	547
1180	1420	106	6	6	1242		2960	7180			NJ18/1180			1206	1394		5	5	350

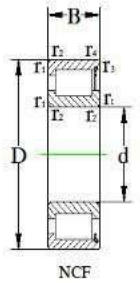
Single-row Cylindrical Roller Bearing

WSW



基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						质量(kg) Mass
									脂润滑	油润滑	新代号	旧代号							参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Fw	Ew	Cr	Cor	Grease	Oil	New	Old	$d_{a\,min}$	$d_{b\,min}$	$D_{a\,max}$	$D_{b\,max}$	r_{amax}	r_{bmax}	Refer.
1180	1540	206	7.5	7.5	1258		8800	20200			NUP29/1180			1213	1507		6	6	1090
	1540	272	7.5	7.5		1466	10800	27800			N39/1180		1213			1474	6	6	1400
1200	1520	185	7.5	7.5	1270		7300	18400			NU6/1200			1239	1474		6	6	797
1250	1630	170	7.5	7.5	1350		6300	15400			NU19/1250			1308	1566		6	6	952
	1750	290	9.5	9.5		1635	12600	30200			N20/1250		1290			1710	8	8	2320
1320	1600	122	6	6	1395		3650	9070			NU18/1320			1346	1574		5	5	530
	1600	122	6	6	1395		3650	9070			NUP18/1320			1346	1574		5	5	560
	1720	175	7.5	7.5	1424		7000	17100			NU19/1320			1380	1654		6	6	1100
	1720	230	7.5	7.5	1420		10400	28800			NU29/1320			1380	1654		6	6	1480
	1720	300	7.5	7.5	1410		128000	32500			NU39/1320			1380	1654		6	6	1950
	1850	400	12	12		1737	20400	52200			N30/1320		1430			1803	10	10	3550
1400	1700	175	7.5	7.5		1637	6600	18300			N28/1400EM		1628			1646	6	6	860

Single-row Full Complement Cylindrical Roller Bearing



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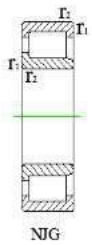
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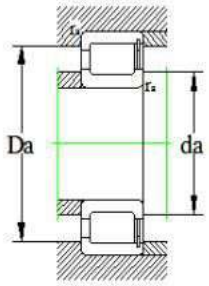
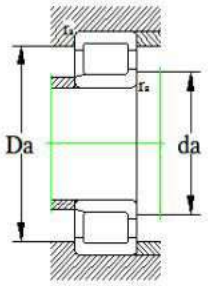
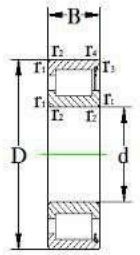




基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(mm) Mass
							脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
100	140	24	1.1	1	132	224	1000	2200	NCF2920V		106.5	133.5	1	1.15
	150	37	1.5	1	242	375	950	2000	NCF3020V		108	142	1.5	2.2
	180	46	2.1	2.1	380	530	850	1800	NCF2220V		111	169	2	5.1
	215	73	3	-	704	900	600	1200	NJG2320VH		113	202	2.5	13
110	150	24	1.1	1	140	250	900	1900	NCF2922V		116.5	143.5	1	1.25
	170	45	2	1	330	500	850	1800	NCF3022V		119	161	2	3.65
	200	53	2.1	2.1	440	600	750	1600	NCF2222V		122	188	2	7.15
	240	80	3	-	858	1060	560	1100	NJG2322VH		123	227	2.5	17.5
120	165	27	1.1	1	172	290	850	1800	NCF2924V		126.5	158.5	1	1.7
	180	46	2	1	341	550	800	1700	NCF3024V		129	171	2	3.95
	215	58	2.1	2.1	512	735	700	1500	NCF2224V		132	203	2	9.05
	260	86	3	-	935	1200	530	1000	NJG2324VH		133	247	2.5	22.5
130	180	30	1.5	1.1	205	360	750	1600	NCF2926V		138	172	1.5	2.3
	200	52	2	1	429	695	700	1500	NCF3026V		139	191	2	5.8
	230	64	3	3	605	880	670	1400	NCF2226V		143	217	2.5	11
	280	93	4	-	1080	1430	500	950	NJG2326VH		146	264	3	28
140	190	30	1.5	1.1	220	390	700	1500	NCF2928V		148	182	1.5	2.4
	210	53	2	1	468	750	670	1400	NCF3028V		149	201	2	6.1
	250	68	3	3	693	1020	630	1300	NCF2228V		153	237	2.5	14.5
	300	102	4	-	1230	1660	450	850	NJG2328VH		156	284	3	35.5
150	190	20	1.1	1	108	200	700	1500	NCF1830V		157.5	182.5	1	1.3
	190	24	1.1	1	145	285	700	1500	NCF2830V		157.5	182.5	1	1.7
	210	36	2	1.1	286	500	670	1400	NCF2930V		159	201	2	3.85
	225	56	2.1	1.1	539	865	630	1300	NCF3030V		161	214	2	7.5
	270	73	3	3	792	1180	600	1200	NCF2230V		163	257	2.5	18.5
	320	108	4	-	1450	1930	430	800	NJG2330VH		166	177	3	42.5
	200	20	1.1	1	112	212	670	1400	NCF1832V		167.5	192.5	1	1.45

Single-row Full Complement Cylindrical Roller Bearing



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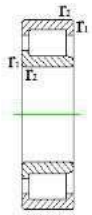
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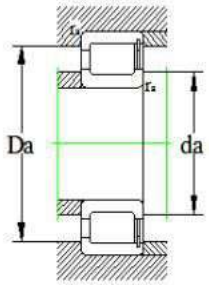
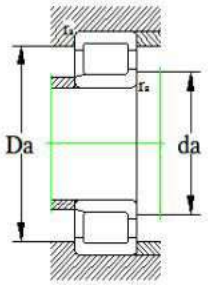
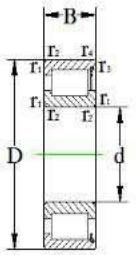




基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(mm) Mass
							脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
160	200	24	1.1	1	147	305	670	1400	NCF2832V		167.5	192.5	1	1.65
	220	36	2	1.1	297	540	630	1300	NCF2932V		169	211	2	4.05
	240	60	2.1	1.1	583	950	600	1200	NCF3032V		171	229	2	9.1
	290	80	3	3	990	1500	560	1100	NCF2232V		173	277	2.5	23
170	215	22	1.5	1.5	149	272	629	1300	NCF1834V		182	204	1.5	1.8
	215	27	1.1	1	194	380	630	1300	NCF2834V		177.5	207.5	1	2.3
	230	36	2	1.1	308	570	600	1200	NCF2934V		179	221	2	4.25
	260	67	2.1	1.1	737	1180	560	1100	NCF3034V		181	249	2	12.5
	310	86	4	4	1100	1700	530	1000	NCF2234V		186	294	3	28.5
	360	120	4	-	1760	2450	380	700	NJG2334VH		186	344	3	59.5
180														
	225	22	1.1	1	147	275	600	1200	NCF1836V		187.5	217.5	1	1.95
	225	27	1.1	1	201	405	600	1200	NCF2836V		187.5	217.5	1	2.6
	250	42	2	1.1	391	695	560	1100	NCF2936V		189	241	2	6.25
	280	74	2.1	2.1	825	1370	560	1100	NCF3036V		191	269	2	16.5
	320	86	4	4	1120	1760	500	950	NCF2236V		196	304	3	29.5
	380	126	4	-	1870	2650	360	670	NJG2336VH		196	364	3	69.5
190														
	240	24	1.5	1.1	172	320	560	1100	NCF1838V		198	232	1.5	2.45
	240	30	1.5	1.1	229	465	560	1100	NCF2838V		198	232	1.5	3.1
	260	42	2	1.1	440	780	560	1100	NCF2938V		199	251	2	6.55
	290	75	2.1	2.1	858	1430	530	1000	NCF3038V		201	279	2	17
	340	92	4	4	1230	1960	480	900	NCF2238V		206	324	3	36
200	250	24	1.5	1.1	176	335	560	1100	NCF1840V		208	242	1.5	3.4
	250	30	1.5	1.1	233	480	560	1100	NCF2840V		208	242	1.5	2.6
200	280	48	2.1	1.5	528	965	530	1000	NCF2940V		211	269	2	9.15
	310	82	2.1	2.1	990	1700	500	950	NCF3040V		211	299	2	22.5
	360	98	4	4	1400	2240	450	850	NCF2240V		216	344	3	43.5
	420	138	5	-	2290	3200	320	600	NJG2340VH		220	400	4	92

Single-row Full Complement Cylindrical Roller Bearing



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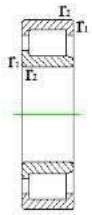
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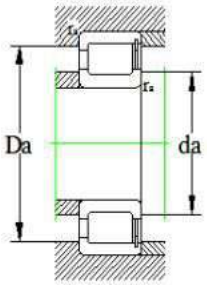
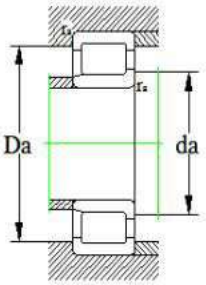
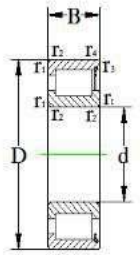




基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(mm) Mass
							脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
220	270	24	1.5	1.1	183	365	530	1000	NCF1844V		228	262	1.5	2.85
	270	30	1.5	1.1	242	530	530	1000	NCF2844V		228	262	1.5	3.9
	300	48	2.1	1.5	512	1000	480	900	NCF2944V		231	289	2	9.9
	340	90	3	3	1190	2040	450	850	NCF3044V		233	327	2.5	29.5
240	300	28	2	1.1	260	510	480	900	NCF1848V		249	291	2	4.4
	300	36	2	1.1	341	720	480	900	NCF2848V		249	291	2	5.7
	320	48	2.1	1.5	583	1140	450	850	NCF2948V		251	309	2	11
	360	92	3	3	1250	2240	430	800	NCF3048V		253	347	2.5	32
	500	155	5	5	3140	4400	240	480	NJG2348VH		260	480	4	147
260														
	320	28	2	1.1	270	550	430	800	NCF1852V		269	311	2	4.75
	320	36	2	1.1	352	780	430	800	NCF2852V		269	311	2	6.2
	360	60	2.1	1.5	737	1430	400	750	NCF2952V		271	349	2	18.5
	400	104	4	4	1610	2850	380	700	NCF3052V		276	384	3	46.5
	540	165	6	-	3580	5000	200	430	NJG2352VH		286	514	5	177
	540	206	6	6	4290	6300	150	320	NCF3352V		286	514	5	220
280	350	33	2	1.1	330	655	400	750	NCF1856V		289	341	2	7.1
	350	42	2	1.1	446	1000	400	750	NCF2856V		289	341	2	9
	380	60	2.1	1.5	897	1730	380	700	NCF2956V		291	369	2	20
	420	106	4	4	1680	3050	360	670	NCF3056V		296	404	3	50
300														
	380	38	2.1	1.5	418	850	360	670	NCF1860V		311	369	2	10
	380	48	2.1	1.5	572	1250	360	670	NCF2860V		311	369	2	12
	420	72	3	3	1120	2200	340	630	NCF2960V		313	407	2.5	31.5
	460	118	4	4	2090	3750	320	600	NCF3060V		316	444	3	69
320														
	400	38	2.1	1.5	440	900	340	630	NCF1864V		331	389	2	10.5
	400	48	2.1	1.5	583	1320	340	630	NCF2864V		331	389	2	13.5
	440	72	3	3	1140	2360	320	600	NCF2964V		333	427	2.5	33
	480	121	4	4	2120	3900	300	560	NCF3064V		336	464	3	74.5

Single-row Full Complement Cylindrical Roller Bearing

WSW



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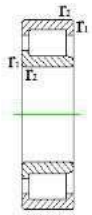
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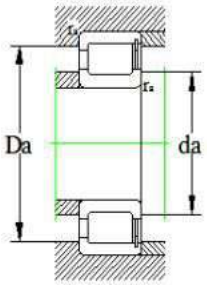
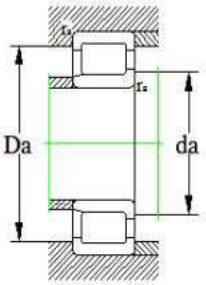
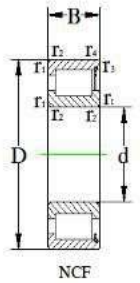




基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(mm) Mass
							脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
340	420	38	2.1	2.1	475	985	300	560	NCF1868V		359	402	2	10.7
	460	72	3	3	1190	2500	300	560	NCF2968V		353	447	2.5	35
	520	133	5	5	2240	4250	280	530	NCF3068V		360	500	4	100
360	440	38	2.1	1.5	457	1000	300	560	NCF1872V		371	429	2	12
	440	48	2.1	1.5	627	1460	300	560	NCF2872V		371	429	2	15
	480	72	3	3	1230	2600	280	530	NCF2972V		373	467	2.5	36.5
	540	134	5	5	2640	4900	260	500	NCF3072V		380	520	4	105
380	480	46	2.1	1.5	627	1290	280	530	NCF1876V		391	469	2	19.5
	480	60	2.1	1.5	897	2080	280	530	NCF2876V		391	469	2	25
	520	82	4	4	1570	3250	260	500	NCF2976V		396	504	3	52.5
	560	135	5	5	2700	5100	240	480	NCF3076V		400	540	4	110
400	500	46	2.1	1.5	627	1340	260	500	NCF1880V		411	489	2	20.5
	500	60	2.1	1.5	913	2160	260	500	NCF2880V		411	489	2	26.5
	540	82	4	4	1650	3450	240	480	NCF2980V		416	524	3	54.5
	600	148	5	5	3190	6100	220	450	NCF3080V		420	580	4	145
420	520	46	2.1	1.5	660	1430	240	480	NCF1884V		431	509	2	21
	520	60	2.1	1.5	952	2280	240	480	NCF2884V		431	509	2	28
	560	82	4	4	1650	3600	220	450	NCF2984V		436	544	3	57
	620	150	5	5	3300	6300	200	430	NCF3084V		440	600	4	150
440	540	46	2.1	1.5	671	1460	220	450	NCF1888V		451	529	2	22
	540	60	2.1	1.5	968	2360	220	450	NCF2888V		451	529	2	29
	600	95	4	4	2010	4400	200	430	NCF2988V		456	584	3	80.5
	650	157	6	6	3740	7350	190	400	NCF3088V		466	624	5	175
460	580	56	3	3	913	1960	200	430	NCF1892V		473	567	2.5	34
	580	72	3	3	1300	3050	200	430	NCF2892V		473	567	2.5	44
	620	95	4	4	2050	4500	190	400	NCF2992V		476	604	3	83.5
	680	163	6	6	4130	8000	180	380	NCF3092V		486	654	5	195

Single-row Full Complement Cylindrical Roller Bearing



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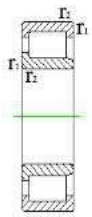
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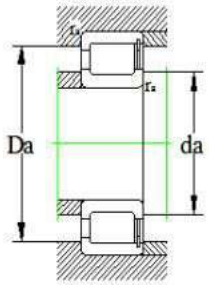
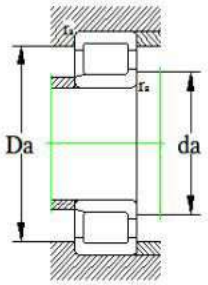
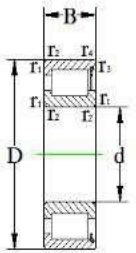




基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(mm) Mass
							脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
480	600	56	3	3	935	2040	190	400	NCF1896V		493	587	2.5	35.5
	600	72	3	3	1320	3150	190	400	NCF2896V		493	587	2.5	46
	650	100	5	5	2290	5100	180	380	NCF2996V		500	630	4	98
	700	165	6	6	4180	8300	170	360	NCF3096V		506	674	5	205
500	620	56	3	3	952	2120	180	380	NCF18/500V		513	607	2.5	35.5
	620	72	3	3	1340	3350	180	380	NCF28/500V		513	607	2.5	48
	670	100	5	5	2380	5300	170	360	NCF29/500V		520	650	4	100
	720	167	6	6	4290	8650	170	360	NCF30/500V		526	694	5	215
530	650	56	3	3	990	2240	170	360	NCF18/530V		543	637	2.5	37.5
	650	72	3	3	1400	3450	170	360	NCF28/530V		543	637	2.5	49.5
	710	106	5	5	2700	6000	160	340	NCF29/530V		550	690	4	120
	780	185	6	6	5230	10600	150	320	NCF30/530V		556	754	5	300
560	680	56	3	3	1020	2360	160	340	NCF18/560V		573	667	2.5	40.5
	680	72	3	3	1420	3650	160	340	NCF28/560V		573	667	2.5	54
	750	112	5	5	3030	6700	150	320	NCF29/560V		580	730	4	140
	820	195	6	6	5830	11800	140	300	NCF30/560V		586	794	5	345
600	730	60	3	3	1050	2550	150	320	NCF18/600V		613	717	2.5	49.5
	730	78	3	3	1570	4300	150	320	NCF28/600V		613	717	2.5	67.5
	800	118	5	5	3360	7500	140	300	NCF29/600V		620	780	4	170
630	780	69	4	4	1250	2900	140	300	NCF18/630V		646	764	3	70
	780	88	4	4	1870	5000	140	300	NCF28/630V		646	764	3	92.5
	850	128	6	6	3740	8650	130	280	NCF29/630V		656	824	5	205
670	820	69	4	4	1300	3150	130	280	NCF18/670V		686	804	3	74
	820	88	4	4	1940	5300	130	280	NCF28/670V		686	804	3	97.5
	900	136	6	6	3800	8650	120	260	NCF29/670V		696	874	5	245
710	870	74	4	4	1540	3750	120	260	NCF18/710V		726	854	3	90
	870	95	4	4	2330	6300	120	260	NCF28/710V		726	854	3	115
	950	140	6	6	3910	9150	110	240	NCF29/710V		736	924	5	275

Single-row Full Complement Cylindrical Roller Bearing

WSW



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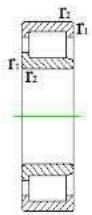
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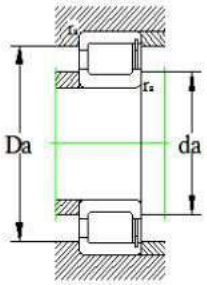
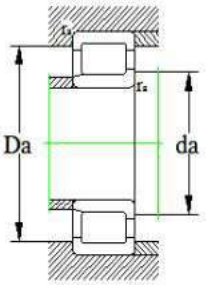
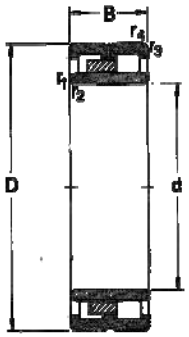




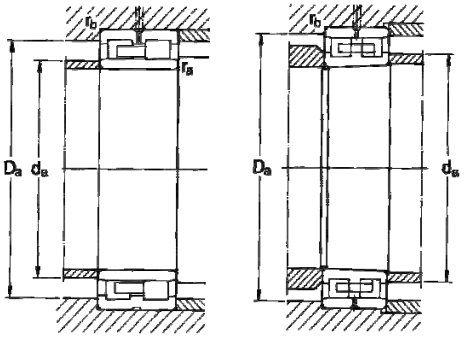
基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(mm) Mass
							脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
750	920	78	5	5	1760	4300	110	240	NCF18/750V		770	900	4	110
	920	100	5	5	2510	6800	110	240	NCF28/750V		770	900	4	140
	1000	145	6	6	4460	10600	100	220	NCF29/750V		796	974	5	315
800	980	82	5	5	1940	4800	100	220	NCF18/800V		820	960	4	130
	980	106	5	5	2750	7500	100	220	NCF28/800V		820	960	4	165
	1060	150	6	6	4950	12200	95	200	NCF29/800V		836	1034	5	360
850	1030	82	5	5	2050	5200	95	200	NCF18/850V		870	1010	4	135
	1030	106	5	5	2860	8000	95	200	NCF28/850V		870	1010	4	175
	1120	155	6	6	5280	12900	90	190	NCF29/850V		886	1084	5	405
900	1090	85	5	5	2240	5700	90	190	NCF18/900V		920	1070	4	160
	1090	112	5	5	3190	9150	90	190	NCF28/900V		920	1070	4	208
	1180	165	6	6	5940	14600	80	170	NCF29/900V		936	1154	5	472
950	1150	90	5	5	2420	6300	80	170	NCF18/950V		970	1130	4	185
	1150	118	5	5	3410	9800	80	170	NCF28/950V		970	1130	4	240
	1250	175	7.5	7.5	6660	16300	75	160	NCF29/950V		983	1217	6	565
1000	1220	100	6	6	2920	7500	75	160	NCF18/1000V		1026	1194	5	230
	1220	128	6	6	4130	11600	75	160	NCF28/1000V		1026	1194	5	310
	1320	185	7.5	7.5	7480	18600	70	150	NCF29/1000V		1033	1287	6	680

Double-row Cylindrical Roller Bearing

Double-row Cylindrical Roller Bearing

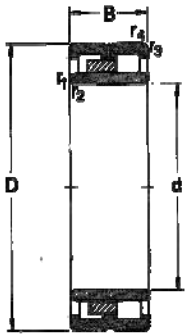


NNU NNUB NNUP NN

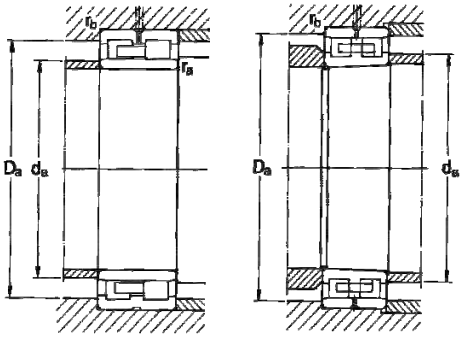


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
100	140	30	1.1	1.1	106	182	6300	NN3920	NN3920K	109	131	1	1	1.32
	140	40	1.1	1.1	128	255	6300	NNU4920	NNU4920K	111	133.5	1	1	1.90
	140	40	1.1	1.1	128	255	6300	NN4920	NN4920K	109	131	1	1	1.76
	140	70/40	1.1	1.1	128	255	4800	NNUB4920-70	-	111	133.5	1	1	2.50
	140	80/40	1.1	1.1	128	255	4800	NNUB4920-80	-	111	133.5	1	1	2.65
	150	37	1.5	1.5	151	250	6000	NN3020	NN3020K	111	142	1.5	1.5	2.20
	165	52	1.1	1.1	234	360	3600	NN3120	-	109	155	1	1	4.38
	165	52	2	2	234	360	3600	NNU3120	-	112	152	2	2	4.39
	165	65	2	2	358	570	3600	NNU4120	NNU4120K30	114	155	2	2	5.50
105	145	40	1.1	1.1	130	260	6000	NNU4921	NNU4921K	116	138.5	1	1	2.00
	145	40	1.1	1.1	130	260	6000	NN4921	-	114	136	1	1	2.0
	160	41	2	2	190	305	5600	NNU3021	NNU3021K	-	150	2	2	2.80
	160	41	2	2	190	305	5600	NN3021	NN3021K	117	147	2	2	2.88
	175	69	2	2	413	670	3400	NNU4121	NNU4121K30	120	165	2	2	6.70
110														
	150	30	1.1	1.1	114	207	6000	NN3922	NN3922K	119	141	1	1	1.41
	150	40	1.1	1.1	132	270	6000	NNU4922	NNU4922K	121	143.5	1	1	2.05
	150	40	1.1	1.1	132	270	6000	NN4922	NN4922K	119	141	1	1	2.1
	150	55/40	1.1	1.1	132	270	4500	NNUB4922	-	121	143.5	1	1	2.40
	170	45	2	2	220	360	5300	NN3022	NN3022K	-	160	2	2	3.55
	170	45	2	2	220	360	5300	NNU3022	-	122	157	2	2	3.74
	180	56	1.1	1.1	290	450	3200	NN3122	-	119	170	1	1	5.4
	180	69	2	2	418	710	3200	NNU4122	NNU4122K30	125	170	2	2	6.95
120	165	34	1.1	1.1	138	251	5300	NN3924	NN3924K	130	155	1	1	2.02
	165	45	1.1	1.1	176	340	5300	NNU4924	NNU4924K	133	158.5	1	1	2.80
	165	45	1.1	1.1	176	340	5300	NN4924	NN4924K	130	155	1	1	2.87
	180	46	2	2	229	390	5000	NN3024	NN3024K	-	170	2	2	3.85

Double-row Cylindrical Roller Bearing

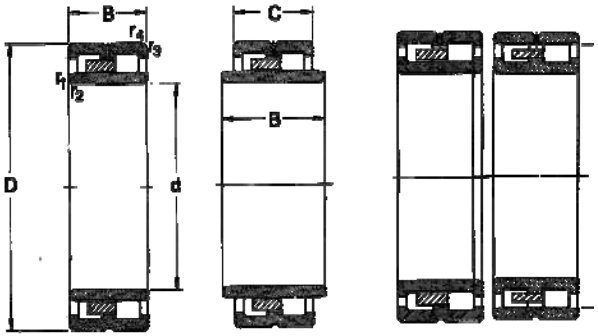


NNU NNUB NNUP NN

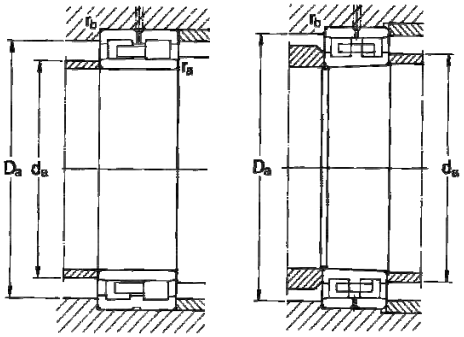


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	r1.2min	r3.4min	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	damax	Damax	ramax	rbmax	
120	180	46	2	2	229	390	5000	NNU3024	-	132	167	2	2	4.07
	200	62	2	2	355	550	3000	NN3124	NN3124K	132	167	2	2	7.72
	200	80	2	2	523	865	3000	NNU4124	NNU4124K30	137	190	2	2	11.0
	215	130/100	2×60°	1.1	704	1120	2200	NNUB4224X2-130	-	137	209.5	1	1	15.5
130	165	35	1	1	107	238	5000	NN4826	-	138	156	1	1	1.82
	180	37	1.5	1.5	173	325	4800	NN3926	NN3926K	141	168	1.5	1.5	2.59
	180	50	1.5	1.5	187	390	4800	NNU4926	NNU4926K	144	172	1.5	1.5	3.85
	180	50	1.5	1.5	187	390	4800	NN4926	NN4926K	141	169	1.5	1.5	3.84
	200	52	1.1	2	284	475	4500	NN3026	NN3026K	-	190	2	2	5.75
	200	52	2	2	284	475	4500	NNU3026	NNU3026K	142	187	2	2	5.92
	210	64	2	2	360	580	2800	NNU3126	-	142	196	2	2	8.49
140	210	80	2	1.1	561	965	2800	NNU4126	NNU4126K30	148	200	2	2	10.5
	190	37	1.5	1.5	201	375	4500	NN3928	NN3928K	151	179	1.5	1.5	2.78
	190	50	1.5	1.5	190	400	4500	NNU4928	NNU4928K	154	182	1.5	1.5	4.10
	190	50	1.5	1.5	190	400	4500	NN4928	NN4928K	151	179	1.5	1.5	4.07
	210	53	2	2	297	520	4300	NN3028	NN3028K	-	200	2	2	6.20
	210	53	2	2	297	520	4300	NNU3028	-	152	196	2	2	6.38
	225	68	2.1	2.1	400	650	2600	NN3128	-	155	209	2	2	10.1
	225	68	2.1	2.1	400	650	2600	NNU3128	-	155	209	2	2	10.3
150	225	85	2.1	2.1	627	1040	2600	NNU4128	NNU4128K30	158	214	2	2	13.0
	190	40	1.1	1.1	194	450	4500	NN4830	NN4830K	-	182.5	1	1	2.75
	210	45	2	2	262	490	4300	NN3930	NN3930K	163	196	2	2	4.47
	210	60	2	2	330	655	4300	NNU4930	NNU4930K	166	200	2	2	6.25
	210	60	2	2	330	655	4300	NN4930	NN4930K	163	196	2	2	6.36
	225	56	2.1	2.1	330	570	4000	NN3030	NN3030K	-	214	2	2	7.50
	225	56	2.1	2.1	330	570	4000	NNU3030	-	165	209	2	2	7.81

Double-row Cylindrical Roller Bearing

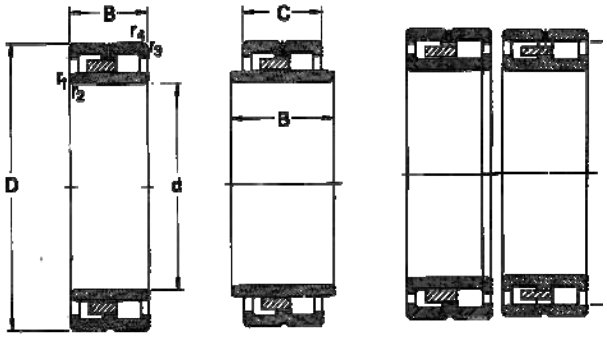


NNU NNUB NNUP NN

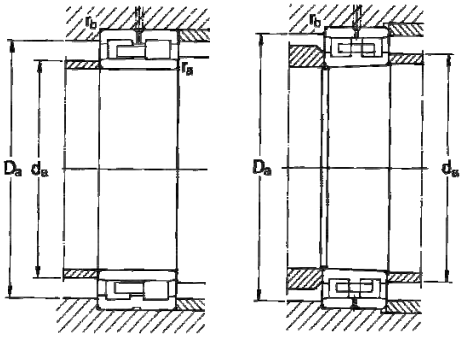


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
150	250	80	2.1	2.1	535	860	2400	NN3130	-	165	234	2	2	15.4
	250	100	2.1	2.1	748	1290	2400	NNU4130	NNU4130K30	174	239	2	2	18.0
160	200	40	1	1	150	355	4000	NN4832	-	169	191	1	1	2.95
	220	45	2	2	271	520	4000	NN3932	NN3932K	173	206	2	2	5.02
	220	60	2	2	330	680	4000	NNU4932	NNU4932K	176	210	2	2	6.60
	220	60	2	2	330	680	4000	NN4932	NN4932K	173	206	2	2	6.77
	240	60	2.1	2.1	369	655	3800	NN3032	NN3032K	-	229	2	2	9.10
	240	60	2.1	2.1	369	655	3800	NNU3032	-	175	224	2	2	9.48
	240	80	2.1	2.1	510	985	3800	NN4032	NN4032K	175	224	2	2	12.7
	240	80	2.1	2.1	510	985	3800	NNU4032	-	175	224	2	2	12.7
	270	86	2.1	2.1	620	1000	2200	NN3132	-	175	253	2	2	19.8
	270	109	2.1	2.1	935	1530	2200	NNU4132	NNU4132K30	185	259	2	2	25.0
170	230	45	2	2	280	550	3800	NN3934	NN3934K	183	216	2	2	5.01
	230	60	2	2	336	695	3800	NNU4934	NNU4934K	186	220	2	2	6.95
	230	60	2	2	336	695	3800	NN4934	NN4934K	183	216	2	2	7.13
	230	80	2	2	550	1180	2800	NNU5934	-	183	220	2	2	9.55
	260	67	2.1	2.1	450	805	3400	NN3034	NN3034K	-	249	2	2	12.5
	260	67	2.1	2.1	450	805	3400	NNU3034	NNU3034K	185	244	2	2	12.9
	280	88	2.1	2.1	635	1050	2000	NN3134	-	185	263	2	2	21.1
	280	88	2.1	2.1	635	1050	2000	NNU3134	-	185	263	2	2	21.4
	280	109	2.1	2.1	968	1630	2000	NNU4134	NNU4134K30	195	269	2	2	26.0
180	225	45	1	1	225	535	2200	NN4836	-	189	215	1	1	4.15
	250	52	2	2	340	655	3400	NN3936	NN3936K	193	236	2	2	7.2
	250	69	2	2	402	850	3400	NNU4936	NNU4936K	199	240	2	2	10.5
	250	69	2	2	402	850	3400	NN4936	NN4936K	193	236	2	2	10.4
	280	74	2.1	2.1	561	1000	3200	NN3036	NN3036K	-	269	2	2	16.5

Double-row Cylindrical Roller Bearing

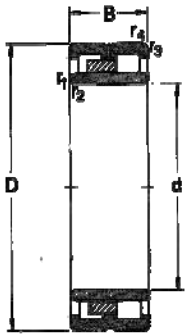


NNU NNUB NNUP NN

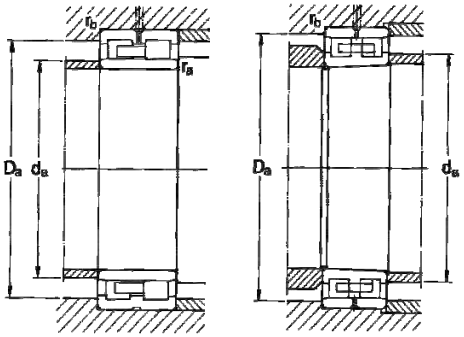


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
180	280	74	2.1	2.1	561	1000	3200	NNU3036	-	195	263	2	2	16.9
	300	118	3	3	1080	1830	1900	NNU4136	NNU4136K30	208	287	2.5	2.5	32.5
	320	104	3	3	840	1420	1800	NN3138	-	208	300	2.5	2.5	33.8
190	260	69	2	2	402	880	3200	NNU4938	NNU4938K	209	250	2	2	11.0
	290	75	2.1	2.1	594	1080	3000	NNU3038	-	206	273	2	2	17.9
	290	75	2.1	2.1	594	1080	3000	NN3038	NN3038K	-	279	2	2	17.0
	290	100	2.1	2.1	825	1640	3000	NN4038	-	206	273	2	2	24
	320	128	3	3	1320	2200	1800	NNU4138	NNU4138K30	219	307	2.5	2.5	41.0
200	250	50	1.5	1.5	242	600	2400	NNU4840	NNU4840K	212	242	1.5	1.5	5.75
	280	60	2.1	2.1	420	815	3000	NN3940	NN3940K	216	263	2	2	10.6
	280	80	2.1	2.1	484	1040	3000	NNU4940	NNU4940K	222	269	2	2	15.0
	280	80	2.1	2.1	484	1040	3000	NN4940	NN4940K	216	263	2	2	15.3
	310	82	2.1	2.1	644	1140	2000	NN3040	NN3040K	-	299	2	2	22.0
	310	82	2.1	2.1	644	1140	2000	NNU3040	NNU3040K	216	293	2	2	22.9
	310	109	2.1	2.1	890	1730	2000	NN4040	NN4040K	216	293	2	2	30.4
	310	115	2.1	2.1	1010	1860	2000	NNU4040X2	-	225	299	2	2	31.5
	340	140	3	3	1470	2550	1700	NNU4140	NNU4140K30	231	327	2.5	2.5	51.0
220	300	60	2.1	2.1	440	895	2800	NN3944	NN3944K	236	283	2	2	11.4
	300	80	2.1	2.1	512	1140	2800	NNU4944	NNU4944K	242	289	2	2	16.5
	300	80	2.1	2.1	512	1140	2800	NN4944	NN4944K	236	283	2	2	16.6
	300	100	2.1	2.1	897	1930	2200	NNU5944X2	-	236.5	289	2	2	20.5
	340	90	3	3	809	1460	2600	NN3044	NN3044K	-	327	2.5	2.5	28.5
	340	90	3	3	809	1460	2600	NNU3044	-	238	320	2.5	2.5	30
	340	118	3	3	1190	2400	2600	NN4044	NN4044K	238	320	2.5	2.5	39.8
	370	120	4	4	1050	1810	1500	NN3144	-	241	346	3	3	51.9
	370	120	4	4	1050	1810	1500	NNU3144	-	241	346	3	3	52.3
	370	150	4	4	1650	2900	1500	NNU4144	NNU4144K30	254	354	3	3	65.0

Double-row Cylindrical Roller Bearing

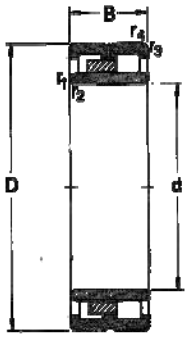


NNU NNUB NNUP NN

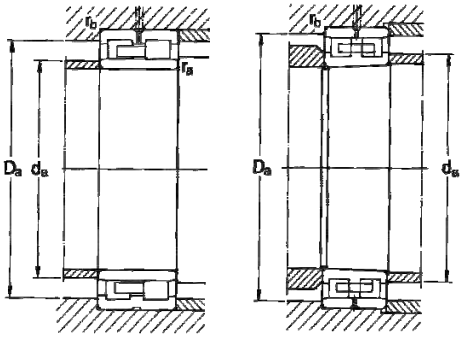


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	C_{or}		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
240	300	60	2	2	358	930	2200	NNU4848	NNU4848K	255	290	2	2	9.90
	300	60	1.1	1.1	358	930	2200	NN4848	-	252	287	1	1	9.77
	320	60	2.1	2.1	460	975	2600	NN3948	NN3948K	257	302	2	2	12.2
	320	80	2.1	2.1	528	1220	2600	NNU4948	NNU4948K	262	309	2	2	17.5
	320	80	2.1	2.1	528	1220	2600	NN4948	NN4948K	257	302	2	2	17.9
	320	100	2.1	2.1	880	1960	1400	NNU5948X2	-	255	293	2	2	22.5
	360	92	3	3	842	1560	2400	NN3048	NN3048K	-	347	2.5	2.5	32.0
	360	92	3	3	842	1560	2400	NNU3048	NNU3048K	259	340	2.5	2.5	30.8
	360	118	3	3	1240	2600	2400	NN4048	NN4048K	259	340	2.5	2.5	39.3
	360	118	3	3	1240	2600	2400	NNU4048	-	259	340	2.5	2.5	42.7
	400	128	4	4	1170	2040	1400	NN3148	NN3148K	262	376	3	3	64.2
	400	160	4	4	1980	3650	1400	NNU4148	NNU4148K30	278	384	3	3	85.0
260	360	75	2.1	2.1	670	1380	2400	NN3952	NN3952K	277	342	2	2	21.4
	360	100	2.1	2.1	748	1700	2400	NNU4952	NNU4952K	288	349	2	2	30.5
	360	100	2.1	2.1	748	1700	2400	NN4952	NN4952K	277	342	2	2	28.3
	360	102	2.1	2.1	990	2200	1800	NNU4952X2	-	283	349	2	2	32.0
	400	104	4	4	1020	1930	2200	NNU3052	NN3052K	-	384	3	3	46.0
	400	104	4	4	1030	1920	2200	NN3052	NN3052K	282	376	3	3	47.7
	400	140	4	4	1550	3150	1500	NNU4052	NNU4052K	289	384	3	3	63.5
	400	140	4	4	1550	3150	1500	NN4052	NN4052K	282	376	3	3	59.7
	440	144	4	4	1480	2660	1300	NN3152	NN3152K	282	415	3	3	89.1
	440	180	4	4	2200	3900	1300	NNU4152	NNU4152K30	300	424	3	3	110
280	350	69	2	2	445	1160	1700	NNU4856	NNU4856K	298	340	2	2	15.5
	350	69	1.1	1.1	445	1160	1700	NN4856	-	293	336	1	1	15.3
	380	75	2.1	2.1	695	1460	2200	NN3956	NN3956K	297	361	2	2	22.7
	380	100	2.1	2.1	765	1800	2200	NNU4956	NNU4956K	308	369	2	2	32.5
	380	100	2.1	2.1	765	1800	1600	NNUP4956	-	-	369	2	2	33.5

Double-row Cylindrical Roller Bearing

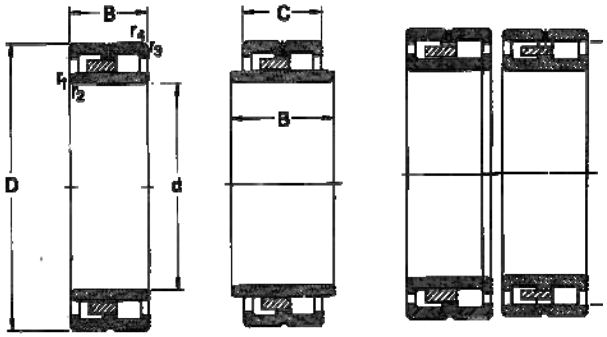


NNU NNUB NNUP NN

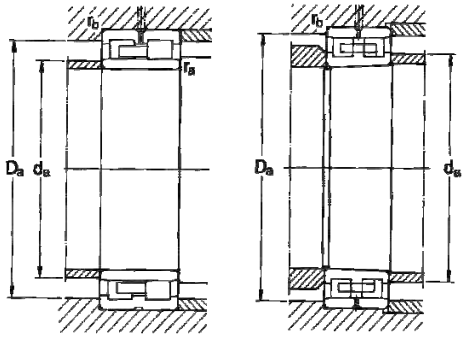


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
280	380	100	2.1	2.1	765	1800	1600	NN4956	NN4956K	297	361	2	2	32.9
	420	106	4	4	1080	2080	2000	NN3056	NN3056K	-	404	3	3	49.5
	420	106	4	4	1080	2080	2000	NNU3056	-	302	395	3	3	51.4
	420	140	4	4	1650	3150	1400	NNU4056	NNU4056K	309	404	3	3	66.5
	460	146	5	5	1520	2790	1200	NN3156	NN3156K	306	431	4	4	95.7
	460	180	5	5	2550	4750	1200	NNU4156	NNU4156K30	318	440	4	4	120
300	380	80	2.1	2.1	583	1560	1600	NNU4860	NNU4860K	320	369	2	2	22.0
	420	118	3	3	1020	2360	2000	NNU4960	NNU4960K	335	406	2.5	2.5	50.0
	420	118	3	3	1020	2360	2000	NN4960	NN4960K	320	398	2.5	2.5	51.6
	420	150	1.5	1.5	1870	4500	1600	NNU5960X2	-	328	412	1.5	1.5	55.5
	460	118	4	4	1250	2400	1900	NN3060	NN3060K	-	444	3	3	68.5
	460	160	4	4	1920	4100	1300	NNU4060	NNU4060K	333	444	3	3	96.0
	460	160	4	4	1920	4100	1300	NN4060	NN4060K	323	435	3	3	97.6
	500	160	5	5	1760	3150	1100	NN3160	NN3160K	327	470	4	4	125
	500	160	5	5	1760	3150	1100	NNU3160	-	327	470	4	4	126
	500	200	5	5	2860	5300	1100	NNU4160	NNU4160K30	344	480	4	4	155
320	400	80	2.1	2.1	765	2080	1500	NNU4864	NNU4864K	340	389	2	2	23.5
	440	118	3	3	1060	2500	1400	NNU4964	NNU4964K	355	426	2.5	2.5	53.0
	440	118	3	3	1060	2500	1400	NNUP4964	-	-	426	2.5	2.5	55.5
	440	118	3	3	1060	2500	1400	NN4964	NN4964K	340	418	2.5	2.5	50.2
	480	121	4	4	1320	2600	1800	NN3064	NN3064K	-	464	3	3	74.0
	480	121	4	4	1320	2600	1800	NNU3064	NNU3064K	343	454	3	3	76.9
	480	160	4	4	2120	4300	1200	NNU4064	NNU4064K	353	464	3	3	100
320	480	175	1.5	1.5	2460	5400	1200	NNU4064X2	-	359	472	1.5	1.5	115
	540	176	5	5	2090	3750	1000	NNU3164	NNU3164K	347	509	4	4	154
	540	218	5	5	3410	6200	1000	NNU4164	NNU4164K30	365	520	4	4	200

Double-row Cylindrical Roller Bearing

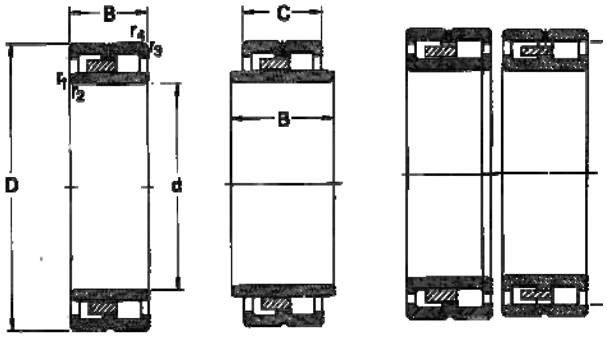


NNU NNUB NNUP NN

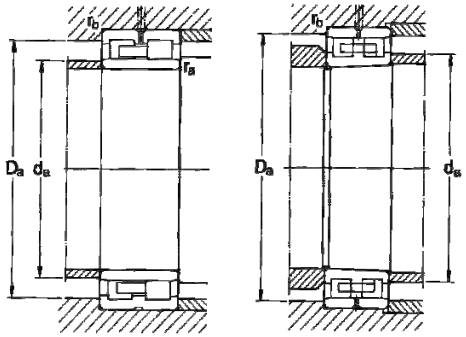


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	C_{or}		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
340	420	80	2.1	2.1	644	1830	1400	NNU4868	NNU4868K	360	409	2	2	25.0
	420	80	2.1	2.1	644	1830	1400	NNUP4868	-	-	408	2	2	24.5
	460	90	3	3	905	2020	1700	NN3968	NN3968K	361	438	2.5	2.5	42.9
	460	118	3	3	1100	2650	1700	NNU4968	NNU4968K	375	446	2.5	2.5	56.0
	460	118	3	3	1100	2650	1700	NN4968	NN4968K	361	438	2.5	2.5	52.1
	520	133	5	5	1670	3300	1600	NN3068	NN3068K	368	490	4	4	102
340	520	133	5	5	1670	3300	1600	NNU3068	-	368	490	4	4	103
	520	180	5	5	2550	5100	1100	NNU4068	NNU4068K	377	500	4	4	140
	520	305/20	5	5	3300	7100	1100	NNUB4068X2-305	-	374	500	4	4	185
	580	243	5	5	4020	7500	950	NNU4168	NNU4168K30	392	560	4	4	260
360	480	90	3	3	930	2130	1700	NN3972	-	381	457	2.5	2.5	44.9
	480	118	3	3	1120	2800	1700	NNU4972	NNU4972K	395	466	2.5	2.5	58.5
	540	134	5	5	1720	3450	1500	NN3072	NN3072K	-	520	4	4	105
	540	134	5	5	1700	3450	1500	NNU3072	-	388	509	4	4	108
	540	180	5	5	2530	5450	1100	NNU4072	NNU4072K	397	520	4	4	140
	540	180	5	5	2530	5450	1100	NN4072	NN4072K	388	509	4	4	132
	600	243	5	5	4290	8500	900	NNU4172	NNU4172K30	414	580	4	4	275
380	480	100	2.1	2.1	952	2550	1200	NNU4876	NNU4876K	406	469	2	2	44.0
	520	140	4	4	1450	3600	1500	NNU4976	NNU4976K	421	504	3	3	87.5
	520	140	4	4	1450	3600	1500	NN4976	NN4976K	404	493	3	3	81.3
	560	135	5	5	1680	3450	1500	NN3076	NN3076K	-	540	4	4	110
	560	180	5	5	2650	6200	1000	NNU4076	NNU4076K	417	540	4	4	150
	560	180	5	5	2650	6200	1000	NN4076	NN4076K	408	529	4	4	142
	620	194	5	5	2620	4950	850	NN3176	NN3176K	408	588	4	4	224
	620	243	5	5	4290	8500	850	NNU4176	NNU4176K30	434	600	4	4	285
400	500	100	2.1	2.1	968	2750	1200	NNU4880	NNU4880K	426	489	2	2	46.0

Double-row Cylindrical Roller Bearing

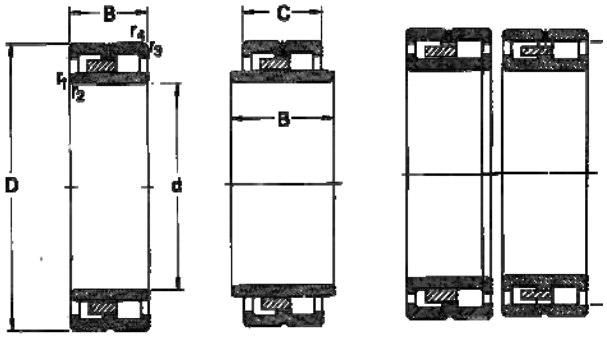


NNU NNUB NNUP NN

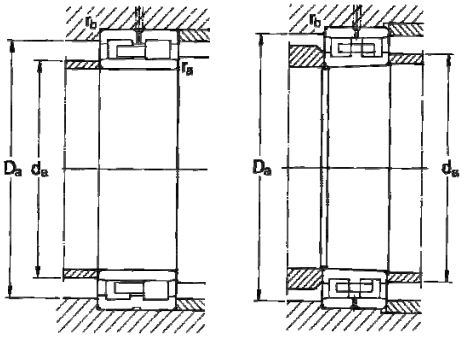


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
400	500	100	2.1	2.1	968	2750	1200	NNUP4880	-	-	488	2	2	45.5
	540	106	4	4	1290	2890	1500	NN3980	-	425	513	3	3	68.7
	540	140	4	4	1470	3800	1500	NNU4980	NNU4980K	441	524	3	3	91.5
	540	140	4	4	1470	3800	1500	NN4980	NN4980K	425	513	3	3	84.1
	600	148	5	5	2160	4500	1400	NN3080	NN3080K	-	580	4	4	140
	600	200	5	5	3470	7200	950	NNU4080	NNU4080K	440	580	4	4	205
	650	250	6	6	4730	9500	800	NNU4180	NNU4180K30	456	624	5	5	325
420	520	100	2.1	2.1	990	2850	1000	NNU4884	NNU4884K	446	509	2	2	48.0
	560	106	4	4	1280	2900	900	NN3984	-	445	533	3	3	71.2
	560	140	4	4	1510	4000	1400	NNU4984	NNU4984K	461	544	3	3	95.5
	560	140	4	4	1510	4000	1400	NN4984	NN4984K	445	533	3	3	87.9
	620	150	5	5	2120	4500	1300	NN3084	NN3084K	-	600	4	4	145
	620	150	5	5	2120	4500	1300	NNU3084	NNU3084K	449	588	4	4	155
	620	200	5	5	3150	7100	900	NNU4084	NNU4084K	460	600	4	4	183
	620	200	5	5	3150	7100	900	NN4084	NN4084K	449	588	4	4	189
	620	260	6	6	4290	10200	900	NNUP5084X2	-	-	594	5	5	280
	650	200	6	6	2770	5400	800	NNU3184	-	435	611	5	5	262
	700	280	6	6	5500	11400	750	NNU4184	NNU4184K30	480	674	5	5	440
440	540	100	2.1	2.1	1010	2900	1000	NNU4888	NNU4888K	464	529	2	2	50.0
	600	160	4	4	2050	5200	1300	NNU4988	NNU4988K	484	584	3	3	130
	650	157	6	6	2360	4900	1200	NN3088	NN3088K	-	624	5	5	170
	650	157	6	6	2360	4900	1200	NNU3088	-	476	611	5	5	178
	650	212	6	6	3910	8300	850	NNU4088	NNU4088K	477	624	5	5	215
	700	224	6	6	3550	6800	800	NNU3184	-	455	660	5	5	347
	720	280	6	6	5720	11800	700	NNU4188	NNU4188K30	500	694	5	5	450
460	580	118	3	3	1190	3250	1000	NNU4892	NNU4892K	489	566	2.5	2.5	75.0
	620	118	4	4	1610	3700	1200	NN3992	NN3992K	486	591	3	3	94.5

Double-row Cylindrical Roller Bearing

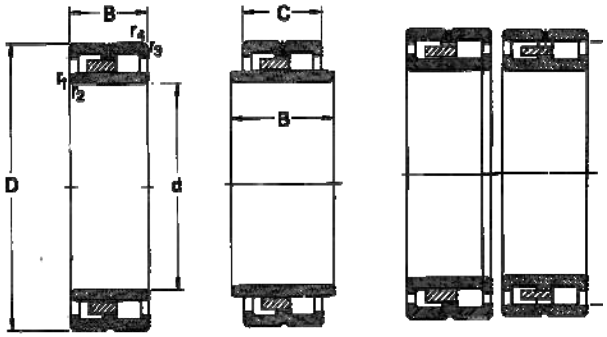


NNU NNUB NNUP NN

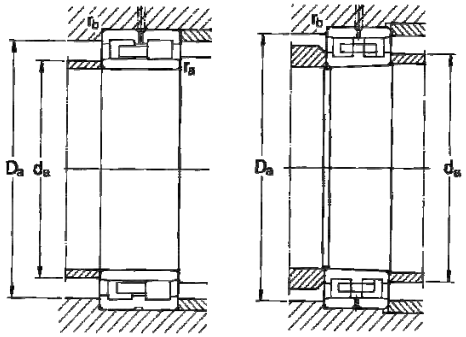


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	r1.2min	r3.4min	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	damax	Damax	ramax	rbmax	
460	620	160	4	4	2090	5500	1200	NNU4992	NNU4992K	504	604	3	3	135
	680	163	6	6	2600	5500	1200	-	NN3092K	-	654	5	5	195
	680	218	6	6	4290	9000	800	NNU4092	NNU4092K	503	654	5	5	240
	720	226	6	6	3500	6800	750	NN3192	NN3192K	476	680	5	5	357
	760	300	7.5	7.5	6440	13200	670	NNU4192	NNU4192K30	526	727	6	6	535
480	650	170	5	5	2330	6100	1200	NNU4996	NNU4996K	528	630	4	4	160
	650	170	5	5	2330	6100	1200	NN4996	NN4996K	510	617	4	4	164
	700	165	6	6	2700	5850	1100	NN3096	NN3096K	-	674	5	5	200
	700	218	6	6	4400	9650	750	NNU4096	NNU4096K	523	674	5	5	275
	700	260	6	6	5390	12500	750	NNU5096X2	-	527	674	5	5	345
	790	248	7.5	7.5	4050	8100	630	NN3196	NN3196K	523	742	6	6	447
	790	308	7.5	7.5	7040	14300	630	NNU4196	NNU4196K30	545	757	6	6	590
500	670	170	5	5	2330	6100	1100	NNU49/500	NNU49/500K	548	650	4	4	165
	700	170	5	5	2700	5400	800	NN49/500X1	-	549	680	4	4	210
	720	167	6	6	2580	5600	1100	NN30/500	NN30/500K	-	694	5	5	210
	720	167	6	6	2580	5600	1100	NNU30/500	-	537	680	5	5	220
	720	218	6	6	4460	10000	750	NNU40/500	NNU40/500K	543	694	5	5	285
	830	325	7.5	7.5	7480	15000	600	NNU41/500	NNU41/500K30	568	797	6	6	710
530														
	710	136	5	5	2040	4900	1000	NNU39/500	-	561	676	4	4	149
	710	180	5	5	2860	7800	1000	NNU49/530	NNU49/530K	582	690	4	4	200
	710	180	5	5	2860	7800	1000	NN49/530	NN49/530K	561	676	4	4	202
	780	185	6	6	3200	6900	1000	NN30/530	NN30/530K	-	754	5	5	270
	780	185	6	6	3200	6900	1000	NNU30/530	NNU30/530K	568	738	5	5	296
	780	250	6	6	5500	12200	670	NNU40/530	NNU40/530K	580	754	5	5	420
	870	335	7.5	7.5	7810	16000	560	NNU41/530	NNU41/530K30	604	837	6	6	790
560	750	190	5	5	3190	8650	950	NNU49/560	NNU49/560K	619	730	4	4	235
	820	195	6	6	3690	8000	900	NN30/560	NN30/560K	-	794	5	5	315

Double-row Cylindrical Roller Bearing

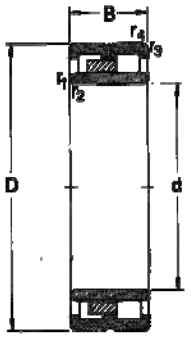


NNU NNUB NNUP NN

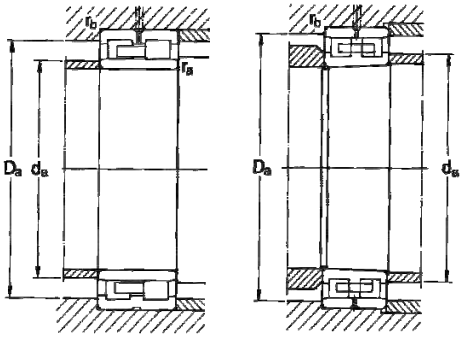


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	C_{or}		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
560	820	258	6	6	4100	10600	630	NNU40/560	NNU40/560K	615	794	5	5	475
	820	258	6	6	4100	10600	630	NN40/560	-	598	778	5	5	472
	920	280	7.5	7.5	6850	13700	530	NNU31/560	-	604	870	6	6	738
	920	355	7.5	7.5	8800	18300	530	NNU41/560	NNU41/560K30	638	887	6	6	930
600	800	200	5	5	3580	10200	900	NNU49/600	NNU49/600K	662	780	4	4	280
	870	200	6	6	3800	8650	850	NN30/600	NN30/600K	-	844	5	5	355
	870	272	6	6	6820	15600	600	NNU40/600	NNU40/600K	653	844	5	5	530
	980	375	7.5	7.5	9900	21100	480	NNU41/600	NNU41/600K30	682	947	6	6	1100
630	780	150	4	4	2290	7000	800	NNU48/630	-	659	748	3	3	160
	850	218	6	6	4020	11400	850	NNU49/630	NNU49/630K	699	824	5	5	355
	850	218	6	6	4020	11400	850	NN49/630	NN49/630K	670	807	5	5	328
	920	212	7.5	7.5	4290	9800	800	NN30/630	NN30/630K	-	887	6	6	430
	920	290	7.5	7.5	7650	17500	560	NNU40/630	NNU40/630K	688	887	6	6	635
	1030	400	7.5	7.5	11000	24000	450	NNU41/630	NNU41/630K30	716	997	6	6	1330
670	900	230	6	6	4150	11500	800	NNU49/670	NNU49/670K	732	874	5	5	410
	900	230	6	6	4150	11500	800	NN49/670	-	710	856	5	5	419
	980	230	7.5	7.5	5010	11400	750	NN30/670	NN30/670K	-	947	6	6	530
	980	308	7.5	7.5	8420	19600	500	NNU40/670	NNU40/670K	733	947	6	6	765
	1090	412	7.5	7.5	12100	25500	430	NNU41/670	NNU41/670K30	756	1057	6	6	1500
710	870	160	4	4	2640	8350	750	NNU48/710	-	741	836	3	3	203
	950	243	6	6	5390	15300	700	NNU49/710	NNU49/710K	776	924	5	5	480
	1030	236	7.5	7.5	5720	13200	670	NN30/710	NN30/710K	-	997	6	6	590
	1030	315	7.5	7.5	9350	21600	480	NNU40/710	NNU40/710K	772	997	6	6	850
	1150	438	9.5	9.5	13400	28500	380	NNU41/710	NNU41/710K30	800	1110	8	8	1790
750	920	170	5	5	3410	10200	550	NN48/750	NN48/750K	-	904	4	4	240
	1000	250	6	6	5500	16000	670	NNU49/750	NNU49/750K	824	974	5	5	540
	1090	250	7.5	7.5	7040	16000	630	NN30/750	NN30/750K	-	1057	6	6	705

Double-row Cylindrical Roller Bearing

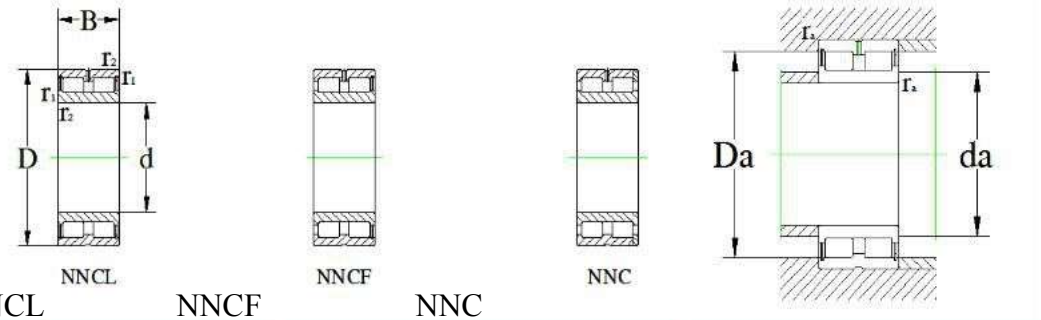


NNU NNUB NNUP NN



基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				质量(kg) Mass (参考) Refer.
d	D	B/C	$r_{1.2min}$	$r_{3.4min}$	Cr	Cor		圆柱孔内径 Cylindrical bore	圆锥孔内径 Tapered bore	d_{amax}	D_{amax}	r_{amax}	r_{bmax}	
750	1090	335	7.5	7.5	10200	24000	430	NNU40/750	NNU40/750K	816	1057	6	6	925
	1220	475	9.5	9.5	16100	35500	360	NNU41/750	NNU41/750K30	850	1180	8	8	2230
800	1060	258	6	6	5830	17000	380	NNU49/800	NNU49/800K	876	1034	5	5	615
	1150	258	7.5	7.5	7810	18000	360	NN30/800	NN30/800K	-	1117	6	6	790
	1150	345	7.5	7.5	10800	26000	360	NNU40/800	NNU40/800K	871	1117	6	6	1140
	1280	475	9.5	9.5	16500	36500	340	NNU41/800	NNU41/800K30	900	1240	8	8	2390
850	1030	180	5	5	3400	11400	370	NNU48/850	-	888	989	4	4	310
	1120	272	6	6	5940	18000	360	NNU49/850	NNU49/850K	930	1094	5	5	360
	1220	272	7.5	7.5	7920	18600	340	NN30/850	NN30/850K	-	1187	6	6	480
	1220	365	7.5	7.5	11700	28500	340	NNU40/850	NNU40/850K	923	1187	6	6	300
900	1180	280	6	6	6600	20000	340	NNU49/900	NNU49/900K	977	1154	5	5	805
	1280	280	7.5	7.5	8250	20000	320	NN30/900	NN30/900K	-	1257	6	6	1050
	1280	375	7.5	7.5	12800	31500	320	NNU40/900	NNU40/900K	963	1257	6	6	1500
950	1250	300	7.5	7.5	7370	22400	320	NNU49/950	NNU49/950K	1036	1217	6	6	960
	1360	300	7.5	7.5	9130	22400	310	NN30/950	NN30/950K	-	1327	6	6	1300
	1360	412	7.5	7.5	14200	35500	310	NNU40/950	NNU40/950K	1033	1327	6	6	1900
1000	1320	315	7.5	7.5	8580	26000	300	NNU49/1000	NNU49/1000K	1096	1287	6	6	1250
	1320	315	7.5	7.5	8580	26000	300	NN49/1000	NN49/1000K	-	1287	6	6	1200
	1420	308	7.5	7.5	10100	24500	290	NN30/1000	NN30/1000K	-	1387	6	6	1400
	1420	412	7.5	7.5	15400	38000	290	NNU40/1000	NNU40/1000K	1084	1387	6	6	2000
1060	1400	335	7.5	7.5	10500	30500	290	NNU49/1060	NNU49/1060K	1150	1367	6	6	1350
	1500	325	9.5	9.5	11000	27500	290	NN30/1060	NN30/1060K	-	1460	8	8	1650
1120	1460	335	7.5	7.5	10500	31500	270	NNU49/1120	NNU49/1120K	1210	1427	6	6	1450
1180	1540	355	7.5	7.5	11900	36000	260	NNU49/1180	NNU49/1180K	1270	1507	6	6	1650
1320	1720	400	7.5	7.5	13800	42500	230	NNU49/1320	NNU49/1320K	1420	1687	6	6	3100
	1720	400	7.5	7.5	13800	42500	230	NN49/1320	NN49/1320K	-	1687	6	6	3060

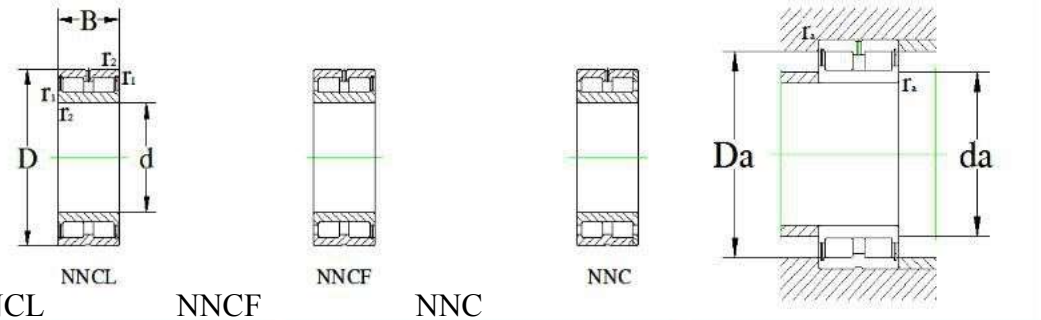
Double-row Full Complement Cylindrical Roller Bearing



NNCL NNCF NNC

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1,2\ min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	r_{amax}	Refer.
100	140	40	1.1	194	400	950	2000	NNC4920V		106.5	133.5	1	2.00
	140	40	1.1	194	400	950	2000	NNCL4920V		106.5	133.5	1	2.00
	140	40	1.1	194	400	950	2000	NNCF4920V		106.5	133.5	1	2.00
	150	67	1.5	391	680	950	2000	NNCF5020V		108	142	1.5	4.05
110	150	40	1.1	201	430	900	1900	NNC4922V		116.5	143.5	1	2.15
	150	40	1.1	201	430	900	1900	NNCL4922V		116.5	143.5	1	2.15
	150	40	1.1	201	430	900	1900	NNCF4922V		116.5	143.5	1	2.15
	170	80	2	528	930	850	1800	NNCF5022V		119	161	2	6.60
120	165	45	1.1	224	480	800	1700	NNCF4924V		126.5	158.5	1	2.90
	165	45	1.1	224	480	800	1700	NNC4924V		126.5	158.5	1	2.90
	165	45	1.1	224	480	800	1700	NNCL4924V		126.5	158.5	1	2.90
	180	80	2	561	1020	800	1700	NNCF5024V		129	171	2	7.10
130	180	50	1.5	255	530	750	1600	NNC4926V		138	172	1.5	3.90
	180	50	1.5	255	530	750	1600	NNCL4926V		138	172	1.5	3.90
	180	50	1.5	255	530	750	1600	NNCF4926V		138	172	1.5	3.91
	200	95	2	704	1370	700	1500	NNCF5026V		139	191	2	11.0
140	190	50	1.5	264	570	700	1500	NNC4928V		148	182	1.5	4.15
	190	50	1.5	264	570	700	1500	NNCL4928V		148	182	1.5	4.15
	190	50	1.5	264	570	700	1500	NNCF4928V		148	182	1.5	4.16
	210	95	2	737	1460	670	1400	NNCF5028CV		149	201	2	11.5
150	190	40	1.1	233	585	700	1500	NNC4830V		156.5	183.5	1	2.90
	190	40	1.1	233	585	700	1500	NNCL4830V		156.5	183.5	1	2.90
	210	60	2	380	850	670	1400	NNC4930V		159	201	2	6.70
	210	60	2	380	850	670	1400	NNCL4930V		159	201	2	6.70
	210	60	2	380	850	670	1400	NNCF4930V		159	201	2	6.71
	225	100	2.1	842	1660	630	1300	NNCF5030V		161	214	2	14.0
160	200	40	1.1	242	620	670	1400	NNCF4832V		166.5	193.5	1	3.05
	200	40	1.1	242	620	670	1400	NNC4832V		166.5	193.5	1	3.05
	200	40	1.1	242	620	670	1400	NNCL4832V		166.5	193.5	1	3.05

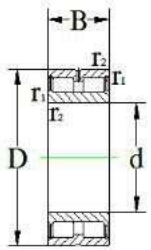
Double-row Full Complement Cylindrical Roller Bearing



NNCL NNCF NNC

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号				参考
d	D	B	$r_{1.2\ min}$	Cr	Cor	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	r_{amax}	Refer.
160	220	60	2	396	900	630	1300	NNCF4932V		169	211	2	7.00
	220	60	2	396	900	630	1300	NNC4932V		169	211	2	7.00
	220	60	2	396	900	630	1300	NNCL4932V		169	211	2	7.00
	240	109	2.1	968	1800	600	1200	NNCF5032V		171	229	2	17.0
170	215	45	1.1	264	655	630	1300	NNC4834V		176.5	208.5	1	4.10
	215	45	1.1	264	655	630	1300	NNCL4834V		176.5	208.5	1	4.10
	230	60	2	413	950	600	1200	NNC4934V		179	221	2	7.45
	230	60	2	413	950	600	1200	NNCL4934V		179	221	2	7.45
	230	60	2	413	950	600	1200	NNCF4934V		179	221	2	7.46
	260	122	2.1	1140	2120	560	1100	NNCF5034V		181	249	2	23.0
180													
	225	45	1.1	270	695	600	1200	NNC4836V		186.5	218.5	1	4.30
	225	45	1.1	270	695	600	1200	NNCL4836V		186.5	218.5	1	4.30
	250	69	2	550	1220	560	1100	NNC4936V		189	241	2	10.5
	250	69	2	550	1220	560	1100	NNCL4936V		189	241	2	10.5
	250	69	2	550	1220	560	1100	NNCF4936V		189	241	2	10.6
	280	136	2.1	1320	2500	560	1100	NNCF5036V		191	269	2	30.5
190	240	50	1.5	303	750	560	1100	NNC4838V		198	232	1.5	5.65
	240	50	1.5	303	750	560	1100	NNCL4838V		198	232	1.5	5.65
	260	69	2	561	1290	560	1100	NNCF4938V		199	251	2	11.0
	260	69	2	561	1290	560	1100	NNCL4938V		199	251	2	11.0
	290	136	2.1	1380	2600	530	1000	NNCF5038V		201	279	2	31.5
200													
	250	50	1.5	314	800	560	1100	NNC4840V		208	242	1.5	5.90
	250	50	1.5	314	800	560	1100	NNCF4840V		208	242	1.5	5.91
	280	80	2.1	660	1500	530	1000	NNC4940V		211	269	2	15.5
	280	80	2.1	660	1500	530	1000	NNCF4940V		211	269	2	15.6
	310	150	2.1	1570	3050	500	950	NNCF5040V		211	299	2	41.0
220													
	270	50	1.5	330	865	530	1000	NNC4844V		228	262	1.5	6.55

Double-row Full Complement Cylindrical Roller Bearing



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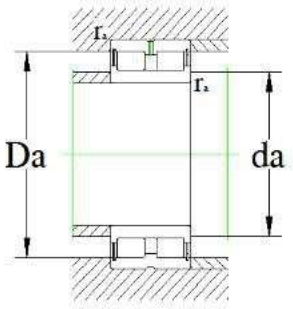
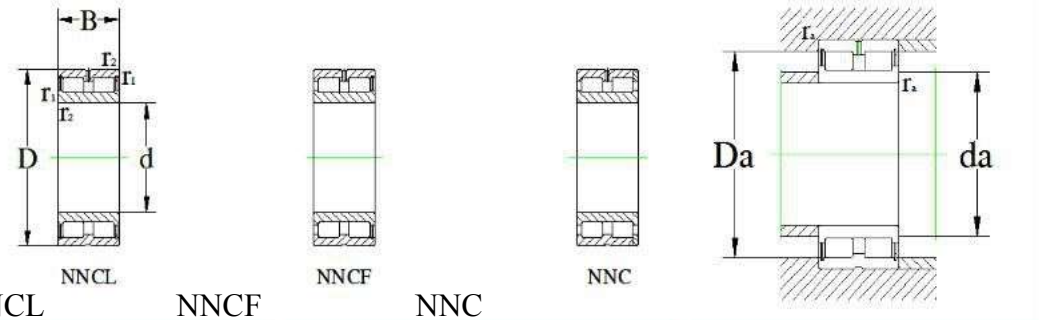


NNCL NNCF NNC

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号				参考
d	D	B	r1.2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	r amax	Refer.
220	270	50	1.5	330	865	530	1000	NNCL4844V		228	262	1.5	6.55
	270	50	1.5	330	865	530	1000	NNCF4844V		228	262	1.5	6.55
	300	80	2.1	682	1600	500	950	NNCF4944V		231	289	2	17.0
	300	80	2.1	682	1600	500	950	NNC4944V		231	289	2	17.0
	300	80	2.1	682	1600	500	950	NNCL4944V		231	289	2	17.0
	340	160	3	1870	3600	450	850	NNCF5044V		233	327	2.5	52.5
240	300	60	2	501	1290	480	900	NNC4848V		249	291	2	10.0
	300	60	2	501	1290	480	900	NNCL4848V		249	291	2	10.0
	300	60	2	501	1290	480	900	NNCF4848V		249	291	2	10.1
	320	80	2.1	721	1760	450	850	NNC4948V		251	309	2	18.5
	320	80	2.1	721	1760	450	850	NNCL4948V		251	309	2	18.5
	320	80	2.1	721	1760	450	850	NNCF4948V		251	309	2	18.6
260	360	160	3	1980	3900	430	800	NNCF5048V		253	347	2.5	56.0
	320	60	2	523	1400	430	800	NNC4852V		269	311	2	11.0
	320	60	2	523	1400	430	800	NNCL4852V		269	311	2	11.0
	320	60	2	523	1400	430	800	NNCF4852V		269	311	2	11.1
	360	100	2.1	1080	2550	400	750	NNC4952V		271	349	2	32.0
	360	100	2.1	1080	2550	400	750	NNCL4952V		271	349	2	32.0
	360	100	2.1	1080	2550	400	750	NNCF4952V		271	349	2	32.1
280	400	190	4	2640	5200	380	700	NNCF5052V		276	384	3	85.5
	350	69	2	682	1860	400	750	NNC4856V		289	341	2	16.0
	350	69	2	682	1860	400	750	NNCL4856V		289	341	2	16.0
	350	69	2	682	1860	400	750	NNCF4856V		289	341	2	16.1
	380	100	2.1	1120	2700	380	700	NNC4956V		291	369	2	34.0
	380	100	2.1	1120	2700	380	700	NNCL4956V		291	369	2	34.0
	380	100	2.1	1120	2700	380	700	NNCF4956V		291	369	2	34.1
	420	190	4	2700	5600	360	670	NNCF5056V		296	404	3	90.5

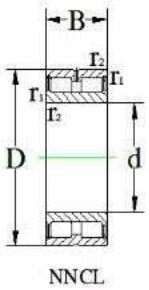
Double-row Full Complement Cylindrical Roller Bearing



NNCL NNCF NNC

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号				参考
d	D	B	r1.2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	r amax	Refer.
300	380	80	2.1	792	2120	380	700	NNCF4860V		311	369	2	23.0
	380	80	2.1	792	2120	380	700	NNC4860V		311	369	2	23.0
	380	80	2.1	792	2120	380	700	NNCL4860V		311	369	2	23.0
	420	118	3	1540	3600	340	630	NNCF4960V		313	407	2.5	52.0
	420	118	3	1540	3600	340	630	NNC4960V		313	407	2.5	52.0
	420	118	3	1540	3600	340	630	NNCL4960V		313	407	2.5	52.0
	460	218	4	3410	7100	320	600	NNCF5060V		316	444	3	130
320	400	80	2.1	825	2280	340	630	NNCF4864V		331	389	2	24.5
	400	80	2.1	825	2280	340	630	NNC4864V		331	389	2	24.5
	400	80	2.1	825	2280	340	630	NNCL4864V		331	389	2	24.5
	440	118	3	1570	3800	320	600	NNCF4964V		333	427	2.5	55.0
	440	118	3	1570	3800	320	600	NNC4964V		333	427	2.5	55.0
	440	118	3	1570	3800	320	600	NNCL4964V		333	427	2.5	55.0
	480	218	4	3470	7350	300	560	NNCF5064V		336	464	3	135
340	420	80	2.1	842	2400	320	600	NNCF4868V		351	409	2	25.5
	420	80	2.1	842	2400	320	600	NNC4868V		351	409	2	25.5
	420	80	2.1	842	2400	320	600	NNCL4868V		351	409	2	25.5
	460	118	3	1610	4000	300	560	NNCF4968V		353	447	2.5	59.5
	460	118	3	1610	4000	300	560	NNC4968V		353	447	2.5	59.5
	460	118	3	1610	4000	300	560	NNCL4968V		353	447	2.5	59.5
	520	243	5	4180	8800	280	530	NNCF5068V		360	500	4	185
360	440	80	2.1	880	2550	300	560	NNCF4872V		371	429	2	27.0
	440	80	2.1	880	2550	300	560	NNC4872V		371	429	2	27.0
	440	80	2.1	880	2550	300	560	NNCL4872V		371	429	2	27.0
	480	118	3	1680	4150	300	560	NNCF4972V		373	467	2.5	61.0
	480	118	3	1680	4150	300	560	NNC4972V		373	467	2.5	61.0
	480	118	3	1680	4150	300	560	NNCL4972V		373	467	2.5	61.0
	540	243	5	4290	9300	260	500	NNCF5072V		380	520	4	195

Double-row Full Complement Cylindrical Roller Bearing



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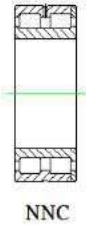
NNCF



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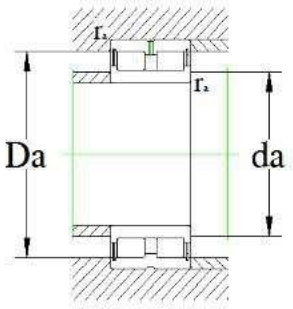
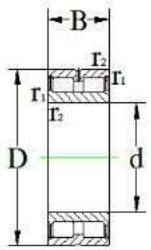


NNCL NNCF NNC

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号				参考
d	D	B	r1.2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	r amax	Refer.
380	480	100	2.1	1300	3650	280	530	NNCF4876V		391	469	2	45.5
	480	100	2.1	1300	3650	280	530	NNC4876V		391	469	2	45.5
	480	100	2.1	1300	3650	280	530	NNCL4876V		391	469	2	45.5
	520	140	4	2120	5400	260	500	NNCF4976V		396	504	3	91.5
	520	140	4	2120	5400	260	500	NNC4976V		396	504	3	91.5
	520	140	4	2120	5400	260	500	NNCL4976V		396	504	3	91.5
	560	243	5	4400	9800	240	480	NNCF5076V		400	540	4	200
400	500	100	2.1	1320	3750	260	500	NNCF4880V		411	489	2	47.5
	500	100	2.1	1320	3750	260	500	NNC4880V		411	489	2	47.5
	500	100	2.1	1320	3750	260	500	NNCL4880V		411	489	2	47.5
	540	140	4	2160	5700	240	480	NNCF4980V		416	524	3	95.5
	540	140	4	2160	5700	240	480	NNC4980V		416	524	3	95.5
	540	140	4	2160	5700	240	480	NNCL4980V		416	524	3	95.5
420	600	272	5	5500	12200	220	450	NNCF5080V		420	580	4	270
	520	100	2.1	1340	4000	240	480	NNCF4884V		431	509	2	49.5
	520	100	2.1	1340	4000	240	480	NNC4884V		431	509	2	49.5
	520	100	2.1	1340	4000	240	480	NNCL4884V		431	509	2	49.5
	560	140	4	2200	6000	220	450	NNCF4984V		436	544	3	99.5
	560	140	4	2200	6000	220	450	NNC4984V		436	544	3	99.5
	560	140	4	2200	6000	220	450	NNCL4984V		436	544	3	99.5
440	620	272	5	5150	11300			NNCF5084V		449	588	4	267
	540	100	2.1	1400	4150	220	450	NNCF4888V		451	529	2	52.0
	540	100	2.1	1400	4150	220	450	NNC4888V		451	529	2	52.0
	540	100	2.1	1400	4150	220	450	NNCL4888V		451	529	2	52.0
	600	160	4	2970	7500	200	430	NNCF4988V		456	584	3	137
	600	160	4	2970	7500	200	430	NNC4988V		456	584	3	137
	600	160	4	2970	7500	200	430	NNCL4988V		456	584	3	137

Double-row Full Complement Cylindrical Roller Bearing



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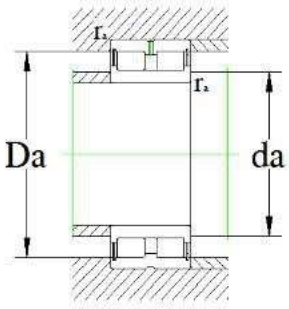


NNCL NNCF NNC

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号				参考
d	D	B	r1.2 min	Cr	Cor	Grease	Oil	New	Old	da min	Da max	r amax	Refer.
460	580	118	3	1540	4500	200	430	NNCF4892V		473	567	2.5	76.0
	580	118	3	1540	4500	200	430	NNC4892V		473	567	2.5	76.0
	580	118	3	1540	4500	200	430	NNCL4892V		473	567	2.5	76.0
	620	160	4	3030	7650	190	400	NNCF4992V		476	604	3	140
	620	160	4	3030	7650	190	400	NNC4992V		476	604	3	140
	620	160	4	3030	7650	190	400	NNCL4992V		476	604	3	140
480	600	118	3	1570	4750	190	400	NNCF4896V		493	587	2.5	78.5
	600	118	3	1570	4750	190	400	NNC4896V		493	587	2.5	78.5
	600	118	3	1570	4750	190	400	NNCL4896V		493	587	2.5	78.5
	650	170	5	3300	8300	180	380	NNCF4996V		500	630	4	165
	650	170	5	3300	8300	180	380	NNC4996V		500	630	4	165
	650	170	5	3300	8300	180	380	NNCL4996V		500	630	4	165
500													
	620	118	3	1610	4900	190	400	NNCF48/500V		513	607	2.5	81.5
	620	118	3	1610	4900	190	400	NNC48/500V		513	607	2.5	81.5
	620	118	3	1610	4900	190	400	NNCL48/500V		513	607	2.5	81.5
	670	170	5	3360	8800	170	360	NNCF49/500V		520	650	4	175
	670	170	5	3360	8800	170	360	NNC49/500V		520	650	4	175
	670	170	5	3360	8800	170	360	NNCL49/500V		520	650	4	175
530													
	650	118	3	1680	5400	170	360	NNCF48/530V		543	637	2.5	85.0
	650	118	3	1680	5400	170	360	NNC48/530V		543	637	2.5	86.0
	650	118	3	1680	5400	170	360	NNCL48/530V		543	637	2.5	84.0
	710	180	5	3910	10200	160	340	NNCF49/530V		550	690	4	200
	710	180	5	3910	10200	160	340	NNC49/530V		550	690	4	200
	710	180	5	3910	10200	160	340	NNCL49/530V		550	690	4	200

Double-row Full Complement Cylindrical Roller Bearing for Roller Skating Roller Bearing for Roller Skating

DESIGN, TYPES, AND FEATURES

Cylindrical Roller Bearings for sheaves are specially designed thin-walled, broad-width, full-complement type double-row cylindrical roller bearings, but they are widely used also for general industrial machines running at low speed and under heavy loads. There are several series as shown in Table 1.

Table 1 Series of Cylindrical Roller Bearings for Sheaves

Bearing Type		Fixed-End	Free-End
Open Type	Without Snap Ring	RS-48E4 RS-49E4	RSF-48E4 RSF-49E4
Shielded Type	Without Snap Ring	RS-50	—
	With Snap Ring	RS-50NR	

Since all are non-separable type bearings, the inner and outer rings cannot be separated, but the RSF type can be used as a free-end bearing. In this case, the permissible axial displacement is listed in the bearing tables.

Since cylindrical roller bearings for sheaves are a double-row, full-complement type, they can withstand heavy shock loads and moments and have sufficient axial load capacity for use in sheaves.

Since the shielded type is a kind of bearing unit, the number of parts surrounding the bearing can be reduced, so it allows for a simple compact design.

The surface of these bearings is treated for rust prevention.

RECOMMENDED FITS AND INTERNAL CLEARANGES

When used with outer ring rotation for sheaves or wheels, the fit and radial internal clearance should conform to Table 2.

Table 2 Fits and Internal Clearances for Cylindrical Roller Bearings for Sheaves

Operating Conditions		Fitting between Inner Ring and Shaft	Fitting between Outer Ring and Housing Bore	Recommended Internal Clearance
Outer Ring Rotation	Thin walled housings and heavy loads	g6 or h6	P7	C3
	Normal to heavy loads	g6 or h6	N7	C3
	Light or fluctuating loads	g6 or h6	M7	CN

The fits listed in Tables apply when they are used with inner ring rotation in general applications, and the internal clearance should conform to Table 3.

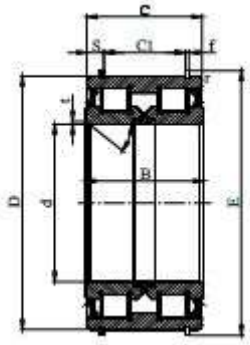
Table 3

Units : μm

Nominal Bore Dia. d (mm)		Clearances			
		CN		C3	
over	incl	min	max	min	max
30	40	15	50	35	70
40	50	20	55	40	75
50	65	20	65	45	90
65	80	25	75	55	105
80	100	30	80	65	115
100	120	35	90	80	135
120	140	40	105	90	155
140	160	50	115	100	165
160	180	60	125	110	175
180	200	65	135	125	195
200	225	75	150	140	215
225	250	90	165	155	230
250	280	100	180	175	255
280	315	110	195	195	280
315	355	125	215	215	305
355	400	140	235	245	340
400	450	155	275	270	390
450	500	180	300	300	420

Double-row Full Complement Cylindrical Roller Bearing

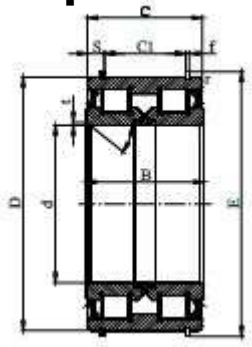
WSW



外形尺寸 mm						基本载荷 KN		轴承代号	内径mm	相关尺寸mm				参 考国外轴承代号			参考重量
d	D	B	C	t	r_{min}	Cr	Cor		d	C_1	S	E	f	INA	IKO	NSK	kg
80	125	60	59	1.5	0.6	238	457	NNF5016N2V	80	54.2	5.5	129.5	2.5	SL04 5016PP	NAS5016UUNR	RS-5016NR	2.71
85	130	60	59	1.5	0.6	247	489	NNF5017N2V	85	54.2	5.5	134.5	2.5	SL04 5017PP	NAS5017UUNR	RS-5017NR	2.83
90	140	67	66	1.5	0.6	319	606	NNF5018N2V	90	59.2	6.0	145.4	2.5	SL04 5018PP	NAS5018UUNR	RS-5018NR	3.72
95	145	67	66	1.5	0.6	326	530	NNF5019N2V	95	59.2	6.0	150.4	2.5	SL04 5019PP	NAS5019UUNR	RS-5019NR	3.91
100	150	67	66	1.5	0.6	332	651	NNF5020N2V	100	59.2	6.0	155.4	2.5	SL04 5020PP	NAS5020UUNR	RS-5020NR	4.04
110	170	80	79	1.8	0.6	424	813	NNF5022N2V	110	70.2	7.0	175.4	2.5	SL04 5022PP	NAS5022UUNR	RS-5022NR	6.53
120	180	80	79	1.8	0.6	441	874	NNF5024N2V	120	71.2	7.0	188.4	3.0	SL04 5024PP	NAS5024UUNR	RS-5024NR	7.15
130	190	80	79	1.8	0.6	430	790	NNF130N2V	130	71.2	7.0	206.0	3.0	SL04 130PP	—	—	7.52
	200	95	94	1.8	0.6	584	1150	NNF5026N2V		83.2	8.5	208.4	3.0	SL04 5026PP	NAS5026UUNR	RS-5026NR	10.8
140	200	80	79	1.8	0.6	445	840	NNF140N2V	140	71.2	7.0	216.0	3.0	SL04 140PP	—	—	8.09
	210	95	94	1.8	0.6	610	1240	NNF5028N2V		83.2	8.5	218.4	3.0	SL04 5028PP	NAS5028UUNR	RS-5028NR	11.5
150	210	80	79	1.8	0.6	465	920	NNF150N2V	150	71.2	7.0	226.0	3.0	SL04 150PP	—	—	8.45
	225	100	99	2.0	0.6	710	1400	NNF5030N2V		83.2	9.0	233.4	3.0	SL04 5030PP	NAS5030UUNR	RS-5030NR	13.9
160	220	80	79	1.8	0.6	480	970	NNF160N2V	160	71.2	7.0	236.0	3.0	SL04 160PP	—	—	8.82
	240	109	108	2.0	0.6	786	1640	NNF5032N2V		95.2	9.5	248.4	3.0	SL04 5032PP	NAS5032UUNR	RS-5032NR	17.2
170	230	80	79	1.8	0.6	490	1030	NNF170N2V	170	71.2	7.0	250.0	3.0	SL04 170PP	—	—	9.34
	260	122	121	2.0	0.6	977	2020	NNF5034N2V		107.2	11.0	270.0	4.0	SL04 5034PP	NAS5034UUNR	RS-5034NR	23.1
180	240	80	79	1.8	0.6	500	1080	NNF180N2V	180	71.2	7.0	260.0	3.0	SL04 180PP	—	—	9.83
	280	136	135	2.0	0.6	1150	2440	NNF5036N2V		118.2	12.5	294.0	5.0	SL04 5036PP	NAS5036UUNR	RS-5036NR	30.8
190	260	80	79	1.8	0.6	520	1130	NNF190N2V	190	73.2	7.0	282.0	3.0	SL04 190PP	—	—	12.7
	290	136	135	2.0	0.6	1180	2530	NNF5038N2V		118.2	12.5	300.0	5.0	SL04 5038PP	NAS5038UUNR	RS-5038NR	32.4
200	270	80	79	1.8	0.6	540	1210	NNF200N2V	200	73.2	7.0	292.0	3.0	SL04 200PP	—	—	13.2
	310	150	149	2.0	0.6	1390	2980	NNF5040N2V		128.2	14.5	320.0	5.0	SL04 5040PP	NAS5040UUNR	RS-5040NR	41.7
220	300	95	94	2.0	1.0	700	1550	NNF220N2V	220	83.2	7.5	322.0	4.0	SL04 220PP	—	—	19.5
	340	160	159	2.0	1.0	1620	3590	NNF5044N2V		138.2	14.5	356.0	6.0	SL04 5044PP	NAS5044UUNR	RS-5044NR	53.5
240	320	95	94	2.0	1.0	740	1700	NNF240N2V	240	83.2	7.5	346.0	4.0	SL04 240PP	—	—	21.2
	360	160	159	2.0	1.0	1690	3850	NNF5048N2V		138.2	14.5	376.0	6.0	SL04 5048PP	NAS5048UUNR	RS-5048NR	57.3

Double-row Full Complement Cylindrical Roller Bearing

WSW



外形尺寸 mm						基本载荷 KN		轴承代号	内径mm	相关尺寸mm				参考国外轴承代号			参考重量
d	D	B	C	t	r_{min}	Cr	Cor		d	C_1	S	E	f	INA	IKO	NSK	kg
260	340	95	94	3.0	1.0	840	1990	NNF260N2V	260	83.2	7.5	366.0	4.0	SL04 260PP	—	—	22.5
	400	190	189	3.0	1.1	2380	4980	NNF5052N2V		162.2	17.5	416.0	7.0	SL04 5052PP	NAS5052UUNR	RS-5052NR	87.2
280	360	95	94	2.0	1.5	870	2020	NNF280N2V	280	79.0	7.5	386.0	4.0	—	—	—	24.1
	420	190	189	3.0	1.1	2600	5350	NNF5056N2V		163.2	17.5	436.0	7.0	SL04 5056PP	NAS5056UUNR	RS-5056NR	93.2
300	380	95	94	3.0	1.5	900	2250	NNF300N2V	300	83.2	7.5	406.0	7.0	SL04 300PP	—	—	25.5
	460	218	216	3.0	1.5	3000	6610	NNF5060N2V		185.2	19.0	—	—	SL04 5060PP	—	RS-5060NR	134
320	480	218	216	3.0	1.5	2950	6930	NNF5064N2V	320	—	—	—	—	—	NAS5064UU	RS-5064	140
340	520	243	241	3.5	2.0	3590	8420	NNF5068N2V	340	—	—	—	—	—	NAS5068UU	RS-5068	189
360	540	243	241	3.5	2.0	3660	8720	NNF5072N2V	360	—	—	—	—	—	NAS5072UU	RS-5072	192
380	560	243	241	3.5	2.0	3730	9020	NNF5076N2V	380	—	—	—	—	—	NAS5076UU	RS-5076	207
400	600	272	270	3.5	2.0	4510	11000	NNF5080N2V	400	—	—	—	—	—	NAS5080UU	RS-5080	281
420	620	272	270	3.5	2.0	4650	11400	NNF5084N2V	420	—	—	—	—	—	NAS5084UU	—	290
440	650	280	278	4.5	3.0	4940	12200	NNF5088N2V	440	—	—	—	—	—	NAS5088UU	—	330

Four-row Cylindrical Roller Bearing

Selection and Collocation of Rolling Mill Bearing

1 Four-rowCylindrical Roller Bearing for Rollers

1.1 Characteristics

This type bearing can carry heavy radial load, whereas can not bear axial force. It has small radial dimension and higher limit rotation speed. This bearing can be installed separately with IR and OR components due to its no-rib structure of OR.

The bearing is applicable for all rolling mills which rollers are changed frequently. Its advantages of heavier radial loading, higher rotation precision and easy to disassembly, which makes it the first choice as rolling mill roller bearing.

1.2 Structure Type

FC Type: One inner ring and two outer ring assembly composed by two outer rings with ribs, rollers and cages; See chart 1

FCD Type: Double inner ring and two outer ring assembly composed by two outer rings with ribs, rollers and cages;See chart 2

FCDP Type: Component composed by double outer rings with ribs, rollers and cages, double inner rings and 3 flat ribs; See chart 3

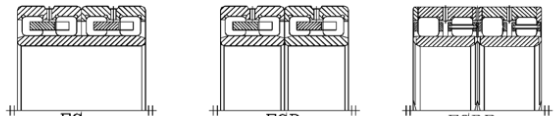


chart1 chart2 chart3

1.3 Collocation of bearing with roller neck and inner house of bearing house

According to the operating requirements of hot-rolling mill and cold-rolling mill, the collocation is recommended as below:

Chart 1 The collocation of bearing ID and roller neck

Bearing ID	Roller Dimension	Roller Geometric Accuracy		Fitting surface	Notes
d (mm)	Tolerance	Roundness	Cylindricity	Roughness (μm)	Increase the tolerance value from n6 p6 r6 accroding to the increasing carrying load form small to large
d<200	n6	Half of the dimensional tolerance range value		Ra1.6	
d=200-500	p6				
d>500	r6			Ra3.2	

Chart 2 The collocation of bearing OD and inner hole of bearing house

Bearing OD	Bearing block bore size	Geometric tolerance of bearing block bore		Fitting surface
d (mm)		Roundness	Cylindricity	Roughness (μm)
D<500	H7	half of the dimensional tolerance range value		3.2a
D>500	F7(G7)			

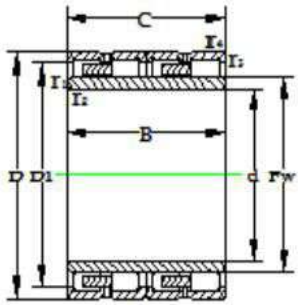
1.4 Selection of Bearing Radial Clearance

As the radial support bearing for rollers, its operating environment is badly tough. The actual clearance is related with loads, rotation speed, lubrication, temperature raise, structure, roughness of working surface and the interference of the bearing's ID. So the comprehensive actual operating environment need to be considered when select bearing type.

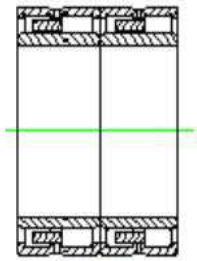
C3 clearance is recommended for cold-rolling mill bearings or bearings whose interference on inner ring is small. C4 clearance is recommended for hot-rolling mill bearings or bearings whose interference of ID and rollers is large. See detail information in below chart.

3 Chart 3 Radial Clearances of 4-row Cylindrical Roller Bearing

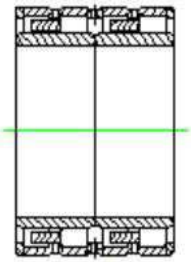
Nominal ID d (mm)		Group 0		Group 3		Group 4		Group 5	
from	to	min	max	min	max	min	max	min	max
80	100	50	85	75	110	105	140	155	190
100	120	50	90	85	125	125	165	180	220
120	140	60	105	100	145	145	190	200	245
140	160	70	120	115	165	165	215	225	275
160	180	75	125	120	170	170	220	250	300
180	200	90	145	140	195	195	250	275	330
200	225	105	165	160	220	220	280	305	365
225	250	110	175	170	235	235	300	330	395
250	280	125	195	190	260	260	330	370	440
280	315	130	205	200	275	275	350	410	485
315	355	145	255	255	305	305	385	455	535
355	400	190	280	280	370	370	460	510	600
400	450	210	310	310	410	410	510	565	665
450	500	220	330	330	440	440	550	625	735
500	560	240	360	360	480	480	600	-	-
560	630	260	380	380	500	500	620	-	-
630	710	285	425	425	565	565	705	-	-
710	800	310	470	470	630	630	790	-	-
800	900	350	520	520	690	690	860	-	-
900	1000	390	580	580	770	770	960	-	-
1000	1120	430	640	640	850	850	1060	-	-
1120	1250	470	710	710	950	950	1190	-	-
1250	1400	530	790	790	1050	1050	1310	-	-



FC

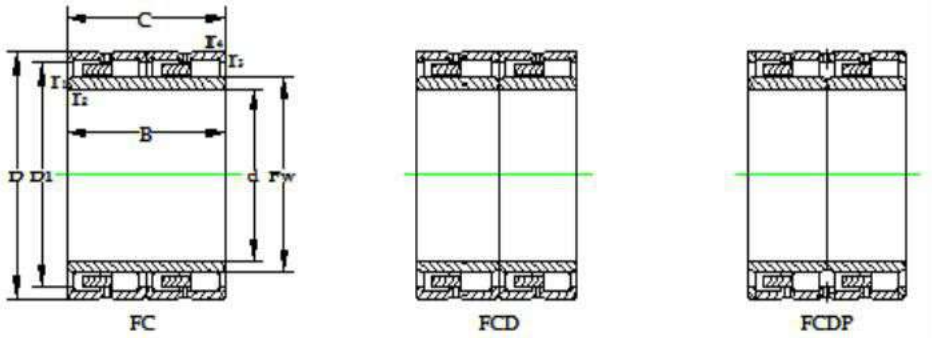


FCD

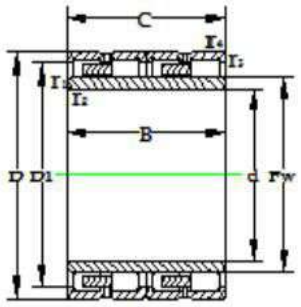


FCDP

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
90	140	70	105	1.5	1.1	242	425	FC182870		2	3.78					
	140	74	105	1.5	1.1	247	485	FC182874	672718	2	4.20					
	140	105	105	1.5	1.1	402	739	FC1828105	672718K	2	6.0					
100	135	80	110	1.5	1.1	236	520	FC202780		2	3.0					
	140	70	111	1.5	1.1	238	484	FC202870	672820K	2	3.3					
	140	80	111	1.5	1.1	298	610	FC202880	672720K	2	3.8					
	140	104	111	1.5	1.1	400	820	FC2028104	672820	2	5.3			100RV1401		
	145	70	113	1.5	1.1	253	546	FC202970	672720	2	3.8					20FC1570
	150	74	115	2	2	260	530	FC203074/YA3		1	4.7				4R2035	
	150	106	113	1.5	1.1	480	857	FC2030106		2	6.6					
110	170	90	127	2.0	2.0	376	760	FC223490	672722K	2	7.5					22FC1790
	170	92	127	2.0	2.0	380	762	FC223492		2	7.7					
	170	120	127	2.0	2.0	615	1100	FC2234120/YA3	672722	1	10.0			110RV1701		
115	165	90	132	1.1	1.1	398	750	FC233390/YA3		3	6.5					23FC1690
120	165	87	134.5	2.0	2.0	365	725	FC243387/YA3		1	6.0			120RV1601		24FC1787
	165	90	132	2.0	2.0	510	780	FC243390/YA3		1	5.6		537675			
	180	92	137	2.0	2.0	425	797	FC243692	672824	2	8.01				4R2437	
	180	105	136	2.0	2.0	530	880	FC2436105/YA3	672724	1	9.4			120RV1801	4R2438	4CR120
	180	120	136	2.0	2.0	678	1080	FC2436120		2	11.2					
	215	174	147	2.1	2.1	1060	1600	FC2443174/YA3		1	27.2			120RV2101		
	215	102	148	2.1	2.1	710	1200	FC2443102		2	16.0					
130	200	104	149	2.0	2.0	570	950	FC2640104/YA3		1	12.0			130RV2003	4R2628	26FC20104
	200	110	150	2.0	2.0	608	1040	FC2640110/YA3		1	12.7					26FC20110
	200	125	149	2.0	2.0	700	1190	FC2640125/YA3	672726	1	14.5			130RV2001		26FC20125
140	190	119	154	2.0	2.0	574	896	FC2838119		2	9.7					28FC19119W
	210	100	158	2.0	2.0	605	985	FC2842100	672828	2	12.2					
	210	106	158	2.0	2.0	615	1048	FC2842106		2	13.0					



基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
140	210	116	160	2.0	2.0	640	1130	FC2842116/YA3		1	13.9			140RV2101	4R2823	28FC21116A
	210	125	158	2.0	2.0	715	1265	FC2842125	672728	2	14.9					
	210	155	158	2.0	2.0	745	1330	FC2842155		2	18.0					
145	210	155	166	2.0	2.0	735	1560	FC2942155/YA3		1	18.0	314625	511605	145RV2101	4R2906	29FC21155
	225	156	169	2.0	2.0	835	1820	FC2945156/YA3		1	23.0	313924 A	538522	145RV2201	4R2904	313924
	230	156	169	2.0	2.0	886	1827	FC2946156		2	24.7					
150	210	120	166	2.0	2.0	687	1080	FC3042120		2	12.5					
	210	150	165	2.0	2.0	870	1780	FC3042150/YA3		1	15.9					30FC21150
	220	120	167	2.0	2.0	702	1193	FC3044120	672930K	2	15.5					
	220	150	168	2.0	2.0	900	1700	FC3044150/YA3		1	19.3			150RV2201	4R3031	30FC22150A
	225	120	169	2.0	2.0	702	1408	FC3045120	672730K	2	16.2					
	225	136	169	2.0	2.0	820	1460	FC3045136/YA3		1	19.0			150RV2204		
	225	150	168.5	2.0	2.0	960	1810	FC3045150/YA3		1	20.9			150RV2203	4R3029	
	230	130	174	2.0	2.0	845	1520	FC3046130/YA3		1	19.7			150RV2301		30FC23130-1
	230	150	177	2.0	2.0	950	1790	FC3046150		2	22.8					
	230	156	174	2.0	2.0	965	1810	FC3046156/YA3	672730	1	24.0	313891 A	506962	150RV2302	4R3040	313891-1
	230	168	178	2.0	2.0	845	1950	FC3046168/YA3		1	25.8				4R3042	
	250	150	177	2.5	2.5	885	1640	FC3050150/YA3		1	29.6				4R3039	
160	220	180	177	2.1	2.1	940	2560	FC3244180		2	20.2				4R3224	32FC22180
	225	120	177	2.1	2.1	639	1340	FC3245120		2	14.9					
	230	130	178	2.1	2.1	781	1320	FC3246130A/YA3		1	17.7			160RV2301		32FC23130
	230	130	180	2.1	2.1	781	1340	FC3246130/YA3		1	17.0	314190	502894A		4R3226	314190
	230	168	179	2.1	2.1	1040	2170	FC3246168/YA3		1	23.5	315189 A	510150		4R3232	
	230	168	180	2.1	2.1	1040	21700	FC3246168A/YA3	672832	1	23.5			160RV2302	4R3229	32FC23170A
	230	180	178	2.1	2.1	1080	2270	FC3246180		1	24.6			160RV2303		32FC23180
	240	120	183	2.1	2.1	745	1320	FC3248120/YA3		1	18.6			160RV2401		32FC24120W
	240	124	183	2.1	2.1	750	1360	FC3248124	672732K	2	19.6					
	240	145	180	2.1	2.1	920	1600	FC3248145/YA3		1	23.0			160RV2403		



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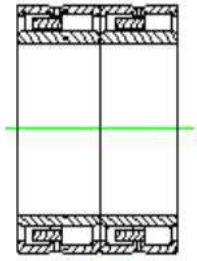

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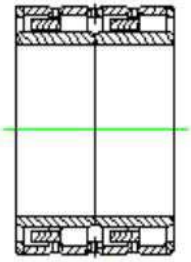

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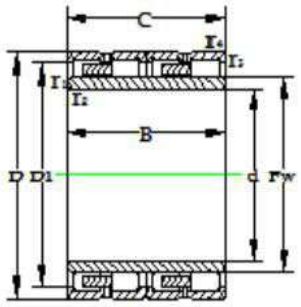
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
160	240	168	183	2.1	2.1	1042	2310	FC3248168	672732	2	26.7					
	240	170	183	2.1	2.1	1080	2050	FC3248170/YA3		1	27.8			160RV2402	4R3225	32FC24170
	240	195	182	3	3	1340	2600	FCDP3248195/YA3		9	33.0		514057			
170	230	120	187	2.1	2.1	750	1580	FC3446120/YA3		1	14.3			170RV2301	4R3426	34FC23120
	230	130	188.5	2.1	2.1	780	1680	FC3446130		1	15.6	313673	508370			
	230	160	188.5	2.1	2.1	940	2320	FC3446160/YA3		1	18.9		567622			
	230	180	186	2.1	2.1	1040	2690	FC3446180		2	24.5					
	240	130	190	2.1	2.1	920	1830	FC3448130/YA3		1	18.7	BC4B 635122				
	240	156	189	2.1	2.1	983	2070	FC3448156		2	22.2				4R3429	34FC24156
	240	160	190	2.1	2.1	1000	2130	FC3448160/YA3		1	23.0			170RV2402	4R3423	
	250	150	192	2.1	2.1	980	2016	FC3450150		2	25.0					
	250	168	192	2.1	2.1	1020	2320	FC3450168/YA3		1	28.0			170RV2501		34FC25168
	250	170	192	2.1	2.1	1180	2320	FC3450170/YA3	672734	1	28.6			170RV2502		34FC25170
	255	180	193	2.1	2.1	1300	2500	FC3451180/YA3		1	30.5			170RV2503	4R3425	
	260	120	195	2.1	2.1	860	1752	FC3452120	672734K	2	23					
	260	150	195	2.1	2.1	1030	1840	FC3452150/YA3		1	28.8			170RV2602		34FC26150
	260	170	195	2.1	2.1	1035	2096	FC3452170		2	32.7					
	260	192	195	2.1	2.1	1090	2240	FC3452192	672734K1	2	36.9				4R3431	
	260	225	196	2.1	2.1	1650	3360	FC3452225		2	43.6	313587 B	505470			
	260	225	193	4	4	2160	4300	FCDP3452225/YA6		10	45.0		535331			
180	250	120	200	2.1	2.1	610	1578	FC3650120		2	18.0					
	250	130	200	2.1	2.1	716	1922	FC3650130		2	19.5					
	250	156	198	2.1	2.1	880	2230	FC3650156A		1	23.4					
	250	156	200	2.1	2.1	880	2230	FC3650156/YA3		1	23.4			180RV2501	4R3625	36FC25156A
	250	168	202	2.1	2.1	885	2470	FC3650168/YA3		1	25.6				4R3639	
	260	120	202	2.1	2.1	735	1577	FC3652120	672836	2	21.0					
	260	124	202	2.1	2.1	735	1577	FC3652124		2	21.7					
	260	156	198	2.1	2.1	835	2200	FC3652156		2	27.3					



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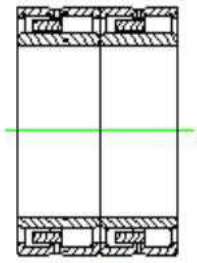

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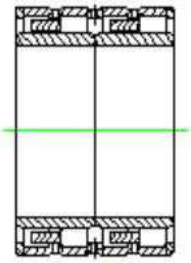

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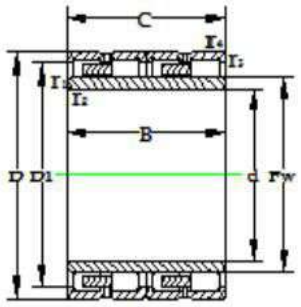
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
180	260	160	202	2.1	2.1	880	2230	FC3652160		2	28.4					
	260	168	202	2.1	2.1	990	2300	FC3652168/YA3	672736	1	29.5	313812	507536	180RV2601	4R3628	313812W
	265	180	203	2.1	2.1	1180	2395	FC3653180A		1	33.7			180RV2603		36FC27180
	265	180	204	2.1	2.1	1040	2649	FC3653180/YA3		1	33.8			180RV2602	4R3618	
	280	180	206	2.1	2.1	1287	2995	FC3656180/YA3		1	41.0		524372			
	280	180	207	2.1	2.1	1287	2995	FC3656180A		2	41.4					
	280	200	205	2.1	2.1	1620	2990	FC3656200/YA3		1	45.7					36FC28200
190	260	168	208	2.1	2.1	1140	2520	FC3852168A	672838	2	24.9		507735			
	260	168	212	2.1	2.1	1140	2600	FC3852168/YA3		1	27.0	313651		190RV2601	4R3820	38FC26168-1
	265	124	213	2.1	2.1	819	1921	FC3853124		2	21.0					
	270	166	212	2.1	2.1	1034	2460	FC3854166		2	30.4					
	270	168	212	2.1	2.1	1034	2460	FC3854168	672738K	2	30.8			190RV2702	4R3818	
	270	170	213	2.1	2.1	1240	2910	FC3854170/YA3		1	31.7					38FC27170A
	270	200	212	2.1	2.1	1510	3310	FC3854200/YA3	672738	1	37.5	314199 B	508657	190RV2701	4R3821	314199
	280	200	214	2.1	2.1	1720	3370	FC3856200/YA3		1	42.0	314049 A	510199	190RV2801	4R3823	
200	250	200	215	2.0	2.0	886	2360	FC4050200		2	23.2			200RV2521		
	265	180	217	2.0	2.0	1200	2790	FC4053180/YA3		1	26.9					40FC27180
	270	120	222	2.1	2.1	617	1630	FC4054120		2	19.6					
	270	170	222	2.1	2.1	1170	2580	FC4054170/YA3		1	28.5	314553	522742		4R4039	314553
	280	152	222	2.1	2.1	1000	2320	FC4056152		2	29.5				4R4054	40FC28152BW
	280	170	222	2.1	2.1	1120	2300	FC4056170/YA3		1	33.5	314385	507344		4R4048	40FC28170
	280	170	223	2.1	2.1	1120	2300	FC4056170A		1	33.2		549864	200RV2804		
	280	188	222	2.1	2.1	1210	2720	FC4056188	672740K	2	36.0					40FC28188
	280	190	223	2.1	2.1	1350	3050	FC4056190/YA3		1	37.1			200RV2803	4R4026	40FC28190A
200	280	200	222	2.1	2.1	1410	3200	FC4056200/YA3		1	39.0	313893	508726	200RV2802	4R4037	313893-1
	280	200	224	2.1	2.1	1410	3200	FC4056200A/YA3		1	39.4			200RV2801	4R4027	40FC28200
	290	130	226	2.1	2.1	945	1916	FC4058130	672740	2	38.5					
	290	192	226	2.1	2.1	1410	2980	FC4058192/YA3		1	42.8	313811	512580	200RV2901	4R4041	313811



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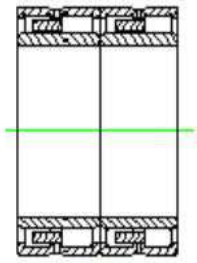

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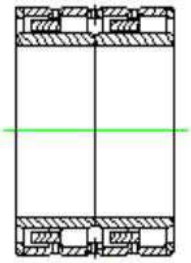

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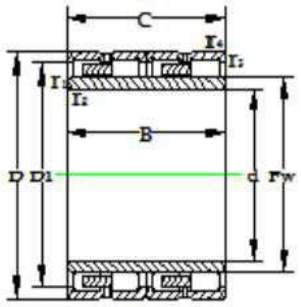
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
200	290	202	226	2.1	2.1	1540	3110	FC4058202		2	43.4					
	310	130	229	2.1	2.1	1113	2254	FC4062130		2	36.3					
	310	200	229	2.1	2.1	1670	3625	FC4062200/YA3		1	55.8		524373			
	310	230	229	2.1	2.1	1840	3500	FCD4062230/YA3		5	64.0	313639/VJ202	503901	200RV3102		
	310	265	227	3	3	2700	4100	FCDP4062265/YA3		9	73.0		514958			40FC31265W
	320	216	231	2.1	2.1	2120	3900	FC4064216/YA3		1	69.9			200RV3231	4R4028	
210	290	192	234	2.1	2.1	1400	3240	FC4258192		2	38.2	313646				
	290	192	236	2.1	2.1	1400	3300	FC4258192A/YA3		1	41.0		507628	210RV2901	4R4206	42FC29192
	300	170	234	2.1	2.1	1320	2900	FC4260170		2	38.8					
	300	210	234	2.1	2.1	1510	3700	FC4260210	672742	2	47.9					42FC30210
220	290	192	239	2.1	2.1	1190	3350	FC4458192/YA3		1	33.8				4R4413	
	300	160	245	2.1	2.1	1050	2600	FC4460160/YA3		1	32.8				4R4419	
	300	190	240	2.1	2.1	1220	3320	FC4460190		2	39.3					
	300	192	242	2.1	2.1	1220	3320	FC4460192	672944	2	39.7					
	300	200	240	2.1	2.1	1800	3900	FCD4460200		2	41.0					
	310	190	246	2.1	2.1	1320	3450	FC4462190		2	45.0					
	310	192	246	2.1	2.1	1540	3450	FC4462192/YA3	672744	1	46.0	313839	507333		4R4426	313837A
	310	192	247	2.1	2.1	1540	3450	FC4462192A/YA3		1	46.0			220RV3101	4R4410	313837-1
	310	204	247	2.1	2.1	1570	3750	FCD4462204/YA3		1	49.8				4R4425	
	310	215	242	2.1	2.1	1650	3850	FCD4462215/YA3		1	51.5				4R4420	
	310	225	244	2.1	2.1	1740	3900	FCD4462225/YA3		1	54.5	313894 B	514461	220RV3102	4R4449	4CR220W
	310	225	245	2.1	2.1	1740	3900	FCD4462225A/YA3		1	54.9		506869		4R4416	44FC31225
	310	265	245	2.1	2.1	1970	4700	FCD4462265		2	63.5					
	320	160	245	2.1	2.1	1200	2600	FC4464160/YA3		1	46.5				4R4428	
	320	192	246	2.1	2.1	1600	3450	FC4464192	672744K	2	51.5					
	320	210	246	2.1	2.1	1800	3700	FCD4464210/YA3		1	57.0		509216	220RV3203	4R4444	44FC32210
	320	210	248	2.1	2.1	1790	3650	FCD4464210A/YA3		1	56.0			220RV3201	4R4429	44FC32210-1
	330	230	249	2.1	2.1	2050	4000	FCD4466230/YA3		5	68.5	314889/VJ202	541452			
	340	180	256	3	3	1500	2750	FC4468180/YA3		1	59.0					44FC34180A



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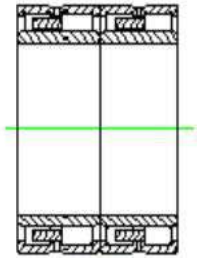

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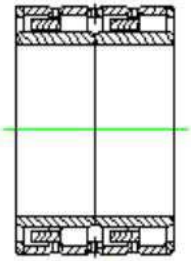

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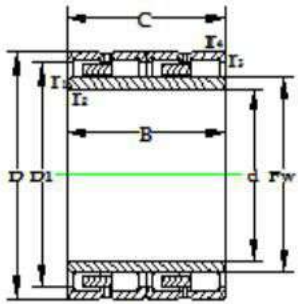
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
220	340	192	246	2.1	2.1	1820	3600	FC4468192	672844	2	64.2					
	340	210	250	2.1	2.1	1910	3850	FCD4468210		4	70.5					
	340	290	250	2.1	2.1	2980	5010	FCDP4468290		9	96.5		525147			
	345	210	250	2.1	2.1	1910	3850	FCD4469210		4	73.8					
230	330	170	260	2.1	2.1	1150	2970	FC4666170		2	47.4					
	330	206	258	2.1	2.1	1640	3720	FC4666206A/YA3		1	58.6				4R4614	
	330	206	260	2.1	2.1	1620	3690	FC4666206/YA3	672746	1	58.0	313824	508727	230RV3301	4R4610	313824
	340	260	261	2.1	2.1	2100	4590	FC4668260/YA3		1	81.0			230RV3401	4R4611	46FC34260
	365	250	266	2.1	2.1	2300	4890	FCDP4673250		9	100	313581 A	529113	230RV3601		313581AW
240																
	330	180	265	2.1	2.1	1460	3490	FC4866180/YA4		1	49.5	635194	504547			
	330	220	264	2.1	2.1	1540	3850	FC4866220	672748	1	56.4				4R4819	48FC33220
	330	220	270	2.1	2.1	1500	3700	FC4866220A		2	58.0	313921	508368	240RV3301	4R4811	312943/1YD
	340	192	268	2.1	2.1	1474	3230	FC4868192	672748K	2	55.4					
	340	220	268	3.0	3.0	1670	3530	FC4868220/YA3		1	71.0		513703	240RV3403		48FC34220
	350	220	270	3.0	3.0	1780	3870	FC4870220		2	71.0					
	360	218	270	3.0	3.0	2130	4060	FC4872218/YA3		1	76.8					48FC36218
	360	220	272	3.0	3.0	1920	3920	FC4872220		1	78.8			240RV3601		
	360	220	274	3.0	3.0	1860	3900	FC4872220A		2	79.6					
	360	290	270	3.0	3.0	2850	5670	FCDP4872290/YA3		9	100.0		514959			48FC35290W
250	340	170	274	3.0	3.0	1390	3500	FC5068170		2	45.0					
	340	220	274	3.0	3.0	1330	3120	FC5068220		2	52.8					
	340	230	270	3.0	3.0	1700	4350	FCD5068230		4	65.0					
	350	220	274	3.0	3.0	1670	3640	FC5070220A		4	58.0					
	350	220	278	3.0	3.0	1730	3990	FC5070220/YA3	672750	1	65.0			250RV3501	4R5008	50FC35220
	350	230	278	3.0	3.0	1900	4350	FCD5070230		4	68.7					
	360	220	282	3.0	3.0	1810	4240	FC5072220	672750K	4	73.0					
260	360	192	288	3.0	3.0	1610	3660	FC5272192		2	60.0					52FC36192W
	360	200	287	3.0	3.0	1880	4110	FC5272200/YA3		1	62.0					52FC36200



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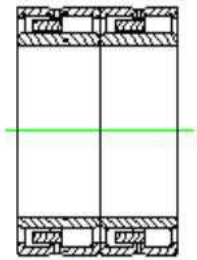

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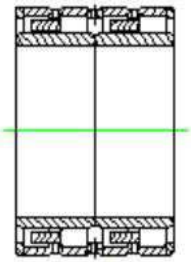

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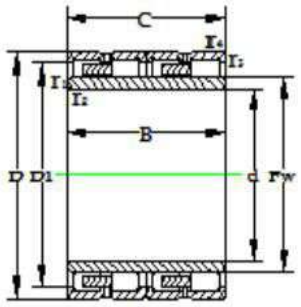
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
260	360	204	287	3.0	3.0	1690	3850	FCD5272204/YA3		5	64.5	314997/VJ202				
	360	230	292	3.0	3.0	1980	4200	FC5272230/YA3		1	73.5	BC4B320956	533880			
	360	260	287	3.0	3.0	2300	5320	FCD5272260/YA3		5	80.0				4R5231	52FC36260
	370	192	291	3.0	3.0	1670	4010	FC5274192		2	66.0					
	370	200	292	3.0	3.0	1770	4120	FC5274200	672752K	2	68.9				4R5208	
	370	220	292	3.0	3.0	1950	4140	FC5274220/YA3	672752	1	76.5	313823	507336	260RV3701		313823
	370	230	292	3.0	3.0	2020	4450	FC5274230		2	79.3					
	380	220	292	3.0	3.0	2100	4900	FC5276220		2	85.0					
	380	280	294	3.0	3.0	2420	5940	FC5276280/YA3		1	108.0			260RV3801	4R5213	52FC38280
	380	280	295	3.0	3.0	2420	5940	FCD5276280A	672852	4	108.0					
	400	290	296	3.0	3.0	3520	7100	FCDP5280290		9	135.0	313427	518214	260RV4001	4R5218	
	400	300	295	5.0	5.0	3900	7600	FC5280300/YA3		1	145.0		526803			
	400	335	294	3.0	3.0	3750	7340	FCDP5280335/YA3		6	149.0		521065			52FC40335W
265	370	234	300	3.0	3.0	2240	5400	FC5374234/YA3	672754	1	80.0	313922	517423			53FC37234
270	380	230	298	2.1	2.1	2000	5050	FC5476230/YA3		1	81.8			270RV3801		54FC38230
	380	275	298	3.0	3.0	2700	6300	FCD5476275		4	97.8					
	380	280	297	2.5	2.5	2260	5750	FC5476280/YA3		6	101.0				4R5407	
	390	220	306	3.0	3.0	1800	4800	FC5478220		4	86.7					
	390	220	302	3.0	3.0	1800	4800	FC5478220A		4	85.8					54FC39220
	390	240	298	3.0	3.0	2236	5950	FCD5478240		4	94.0					
	400	220	305	3.0	3.0	2410	6100	FC5480220		4	95.5					
280	350	208	298	2.5	2.5	1290	3950	FC5670208/YA3		1	46.4				4R5614	
	375	200	307	3.0	3.0	1500	4310	FC5675200		2	63.5					
	380	170	306	3.0	3.0	1410	3590	FC5676170/YA3		3	55.0					56FC38170W
	380	192	308	3.0	3.0	1560	4580	FC5676192A		2	64.8					
	380	192	310	3.0	3.0	1560	4580	FC5676192		2	64.8					
	380	290	308.53	3.0	3.0	2750	6950	FCDP5676290/YA3		9	75.2	BC4-0001			4R5611	
	390	220	312	3.0	3.0	2020	4400	FC5678220/YA3	672756	1	81.54	313822	507339	280RV3901		313822



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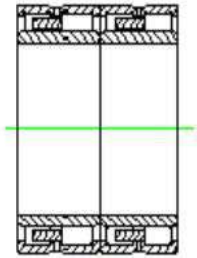

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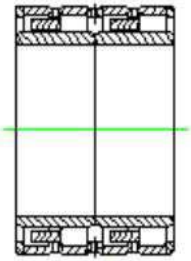

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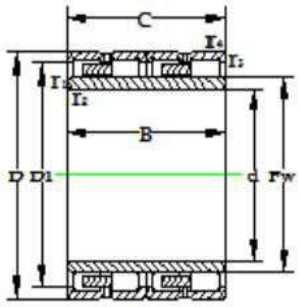
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
280	390	240	312	3.0	3.0	2240	5230	FC5678240/YA3		1	89.4			280RV3902		
	390	275	308	3.0	3.0	2720	6130	FCDP5678275/YA3		9	105	314719 C	527104	280RV3903		
	390	275	312	3.0	3.0	2260	6940	FC5678275/YA3		1	105		513729A		4R5612	56FC38275
	400	285	316	3.0	3.0	2850	6600	FCD5680285/YA3		5	121	314070/VJ202	513342	280RV4021		
	410	300	313	4.0	4.0	3170	6860	FCD5682300/YA3		5	134	314897/VJ202	510350			
	410	300	314	4.0	4.0	3730	8400	FCDP5682300/YA6		10	137					56FC41300
	420	280	318	4.0	4.0	2945	7212	FCD5684280		4	137					
	420	290	315	5.0	5.0	3900	9780	FC5684290/YA3		1	140		517797			
	420	300	319	4.0	4.0	3070	6470	FCDP5684300/YA3		9	151	313487	507356			
	420	280	323	4.0	4.0	2945	7212	FC5684280A/YA3		1	137				4R5605	
290	390	190	316	4.0	4.0	1940	4320	FCD5878190/YA3		5	67.0	635195				
	390	234	320	4.0	4.0	2150	5320	FC5878234/YA3		1	82.2			290RV3901		58FC39234
	400	180	320	4.0	4.0	2070	5120	FC5880180/YA3		1	67.5					58FC40180W
	410	240	320	4.0	4.0	2440	5180	FC5882240/YA3	672758	1	101			290RV4101	4R5806	58FC41240
	420	300	327	4.0	4.0	3130	7130	FC5884300/YA3		1	141			290RV4201	4R5805	58FC42300
	440	310	328	4.0	4.0	4130	9210	FC5888310/YA3		1	171		517796			
300	400	300	328	4.0	4.0	2590	6560	FCD6080300/YA3		5	115			300RV4021	4R6014	60FC40300
	420	180	332	4.0	4.0	2020	6440	FCD6084180		4	92.4					
	420	218	332	4.0	4.0	2014	4950	FC6084218/YA3	672760K	3	94.0					60FC42218
	420	240	332	4.0	4.0	2540	5460	FC6084240/YA3	672760	3	111			300RV4201	4R6027	60FC42240
	420	240	334	4.0	4.0	2540	5460	FC6084240A/YA3		1	114				4R6012	
	420	240	336	4.0	4.0	2010	5450	FC6084240A/YA3		1	105				4R6023	
	420	300	332	4.0	4.0	3180	7200	FCDP6084300/YA3		9	131	314484 D	524289B	300RV4221	4R6020	4CR300
	420	300	334	4.0	4.0	2900	7850	FC6084300/YA3		1	130				4R6015	
	430	240	338	4.0	4.0	2720	5950	FC6086240/YA3		1	115					60FC43240
	460	270	344	4.0	4.0	2670	5800	FC6092270/YA3		1	162		517795		4R6019	
	460	350	341	4.0	4.0	5500	9700	FCDP6092350/YA3		10	251					



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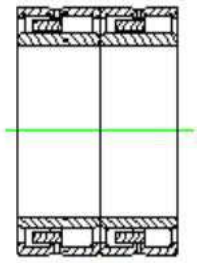

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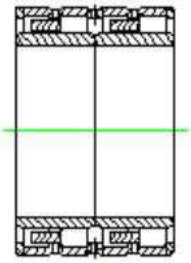

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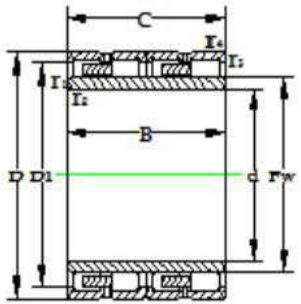
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
310	420	300	338	4.0	4.0	3130	7650	FC6284300/YA3		1	121			310RV4201		62FC42300
	430	240	344.5	4.0	4.0	2480	5650	FC6286240/YA3		1	109			310RV4301	4R6202	62FC43240
	440	240	345	4.0	4.0	3250	5700	FCDP6288240/YA3		9	115		574469			
320	440	340	350	4.0	4.0	5100	13200	FCDP6488340/YA6		10	170		532220			
	450	240	358	4.0	4.0	2620	5840	FC6490240/YA3		1	121			320RV4501	4R6411	4CR320
	450	240	355	4.0	4.0	2600	5750	FC6490240A/YA3		1	116			320RV4502		64FC45240
	460	300	357	4.0	4.0	2940	8430	FCD6492300		4	164					
	460	240	364	4.0	4.0	2720	7200	FCD6492240/YA3		5	140	BC4B322216/VJ202				
	460	340	360	4.0	4.0	3350	8950	FC6492340/YA3		3	178				4R5412	64FC46340A
	470	350	357	5.0	5.0	5200	9780	FCDP6494350/YA3		9	225		532592			
	470	350	361.7	5.0	5.0	4150	1090	FCDP6494350A/YA3		9	212				4R6406	
	480	350	364	5.0	5.0	4600	9970	FCDP6496350/YA6		10	232	314274 B	513654A	320RV4811		
	520	475	367	6.0	3.0	9800	21000	FCDP64104475/YA6		10	435		522140			
330	430	230	358	4.0	4.0	2220	5560	FC6686230/YA3		1	89.6			330RV4301		
	440	200	360	4.0	4.0	2050	4510	FC6688200		2	85.0	313445 C		330RV4401	4R6603	66FC44200W
	460	340	365	4.0	4.0	3400	8200	FCDP6692340/YA3		9	175		543447		4R6605	
	460	340	364	4.0	4.0	3400	8200	FCDP6692340A/YA6		10	175					4CR330
340	450	250	371	4.0	4.0	2580	6400	FC6890250/YA3		1	111			340RV4501		
	450	250	368	4.0	4.0	2580	6410	FC6890250A		2	111			340RV4502		68FC45250BW
	460	260	370	4.0	4.0	2800	7300	FCD6892260		4	125					
	480	280	374	4.0	4.0	3120	8120	FC6896280		2	160					
	480	350	378	4.0	4.0	4580	11100	FCD6896350/YA3		6	211					68FC48350-2
	480	350	378	4.0	4.0	4400	9830	FCDP6896350/YA3		9	205	314485 A	527634		4R6819	68FC48350D
	490	300	377	4.0	4.0	3350	8300	FC6898300/YA3		1	187				4R6804	
	490	300	380	4.0	4.0	3500	7600	FC6898300A/YA3		1	187					68FC49300
	500	370	385	4.0	4.0	4800	10600	FCDP68100370/YA6		10	261	BC4B322261/HB1	517749			
	560	380	396	4.0	4.0	5800	11880	FCDP68120380/YA6		10	350	313404 A	545171			



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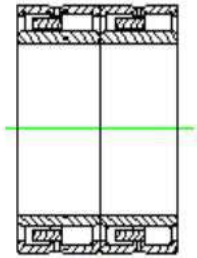

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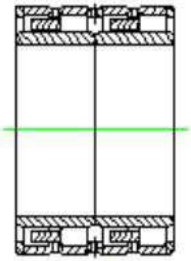

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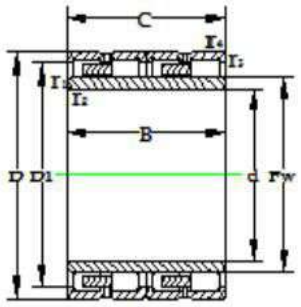
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers 新代号 New	旧代号 Old	图例	质量(kg) Mass 参考 Refer.	相当于国外型号 SKF	FAG	NSK	NTN	KOYO
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor									
345	480	350	376	4.0	4.0	4180	9780	FCD6996350		4	192			345RV4821		
350	500	380	389	5.0	5.0	4200	10080	FCD70100380		4	240	314563/VJ202	532381.N12BA			
	500	410	388	5.0	5.0	4960	12300	FCDP70100410/YA6		10	285	BC4B322777/HB1	532001			
	500	460	388	5.0	5.0	6570	16500	FCDP70100460/YA3		9						70FC50460
	520	300	401	5.0	5.0	4070	7950	FCD70104300		4	220	BC2B319878/VJ202				
	520	300	401	5.0	5.0	4290	9000	FCD70104300/HCYA2		8	220	BC4B326909/HA3				
360	480	290	392	4.0	4.0	3470	8510	FC7296290/YA3		1	145					72FC48290
	480	290	394	4.0	4.0	3080	7470	FC7296290A/YA3		1	149			360RV4801		
	500	250	394	4.0	4.0	3040	6620	FCD72100250		4	146	BC2B320075A/VJ202				
	510	370	400	4.0	4.0	4250	9600	FC72102370/YA3		1	241			360RV5101	4R7212	72FC51370
	510	380	399	4.0	4.0	5200	12300	FCDP72102380/YA3		9	246					72FC51380
	510	400	397	4.0	4.0	4500	11500	FC72102400		2	260				4R7203	
	520	380	405	4.0	4.0	3350	8300	FCDP72104380/YA6		10	270		562913			72FC52380
370	540	300	404	4.0	4.0	4310	8680	FCDP72108300/YA6		10	247					72FC54300
	480	230	400	4.0	4.0	2100	6250	FC7496230/YA3		1	106				4R7405	
	480	250	385	3.0	3.0	2820	7320	FC7496250		2	115					74FC48250W
	480	250	401	4.0	4.0	2690	6980	FC7496250/YA3		1	120			370RV4801	4R7408	
	520	380	409	4.0	4.0	4680	11790	FCDP74104380/YA3		9	263	314486 A	543975	370RV5211		74FC52380
	520	380	409	4.0	4.0	6400	12900	FCDP74104380/YA6		10	252		524678A			
	520	400	409	4.0	4.0	4680	10500	FCD74104400		1	260				4R7404	
	520	400	413	4.0	4.0	4740	11900	FCD74104400/YA3		6	268					74FC52400W
380	540	400	415	4.0	4.0	4990	11400	FC74108400/YA3		1	320			370RV5401		74FC54400A
	500	290	414	4.0	4.0	3010	7920	FC76100290/YA3		1	153			380RV5001		
	520	280	417	4.0	4.0	3280	7600	FC76104280/YA3		1	174			380RV5202	4R7605	76FC52280
	520	280	426	4.0	4.0	2580	6210	FCD76104280		4	185	NNU4976B/DRW33				
	520	290	418	4.0	4.0	3380	7970	FC76104290/YA3		1	181		576360	380RV5201		76FC52290
	520	300	416	4.0	4.0	3550	9600	FCDP76104300/YA3		9	210				4R7607	



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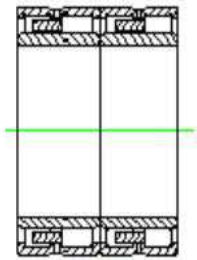

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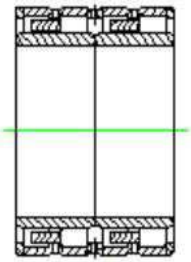

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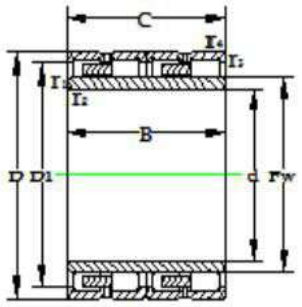
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
380	540	300	421	4.0	4.0	4260	9900	FCDP76108300/YA6		10	220	313030 A	545768			
	540	340	422	4.0	4.0	4600	10300	FCDP76108340/YA6		10	256					76FC54340W
	540	340	424	4.0	4.0	4460	10360	FCDP76108340/YA3		9	264			380RV5431		
	540	360	422	4.0	4.0	5480	12900	FCDP76108360/YA3		9	266					76FC54360
	540	400	422	4.0	4.0	4860	12150	FCDP76108400/YA3		9	295	BC4B313511 B	544794	380RV5411	4R7604	76FC54400BW
	540	400	422	4.0	4.0	6060	14200	FCDP76108400B/YA6		10	305	BC4B326366/HB1			4R7618	76FC54400DW
	540	400	424	5.0	5.0	4790	11400	FC76108400		2	288			380RV5401	4R7613	76FC54400CW
	560	300	424	4.0	4.0	4700	9650	FCDP76112300/YA6		10	260	BC4B322189				
	560	325	428	4.0	4.0	4970	10600	FC76112325B		1	265	BC4B322264/HB1				
	560	360	422	5.0	4.0	5500	1200	FCDP76130360/YA6		10	308					76FC56360
390	510	290	424	4.0	4.0	3230	8550	FC78102290/YA3		1	156			390RV5101		
	540	320	431	4.0	4.0	4750	10980	FCDP78108320/YA6		10	230	BC4B322498	578278			
	550	310	430	4.0	4.0	4680	10440	FCDP78110310/YA6		10	240	313190 A				
	550	400	434	4.0	4.0	4890	11780	FCD78110400		4	304			390RV5521		78FC55400AW
400	520	250	432	5.0	5.0	3000	7700	FC80104250		2	140		533426	400RV5202		80FC52250W
	540	380	436	5.0	5.0	4320	9780	FCDP80108380/YA6		10	273					
	550	300	438	5.0	5.0	4230	9880	FCDP80110300/YA6		10	214					80FC55300
	550	300	441	5.0	5.0	3940	9260	FC80110300/YA3		1	216			400RV5501		
	560	360	441	5.0	5.0	5570	13400	FCDP80112360/YA6		10	277					80FC56360
	560	400	446	5.0	5.0	5370	12920	FCDP80112400/YA6		10	322			400RV5612	4R8007	80FC56400W
	560	410	445	5.0	5.0	5640	13800	FCDP80112410/YA6		10	330	313015 DC	513769A	400RV5613	4R8010	80FC56410
	590	420	450	5.0	5.0	5150	1300	FC80108420/YA3		1	399				4R8011	
	590	440	450	5.0	5.0	6630	14940	FCD80108440/YA3		6	415	315802/VJ202				
410	560	400	450	5.0	5.0	5800	14310	FCDP82112400/YA6		10	321	316689	561005			
	570	450	452	5.0	5.0	6930	17900	FCDP82114450/YA6		10	346					82FC57450W
	600	440	460	5.0	5.0	6880	15750	FCDP82120440/YA6		10	440	313877 B	517436	410RV6011		
420	580	260	468	5.0	5.0	3740	9650	FCD84112260/YA3		5	210	BC2B320074/VAJ202				
	560	280	457	5.0	5.0	3800	9250	FC84112280/YA3		1	196			420RV5601	4R8403	84FC56280
	560	400	458	5.0	5.0	4950	13000	FCD84112400		4	278			420RV5602		84FC56400



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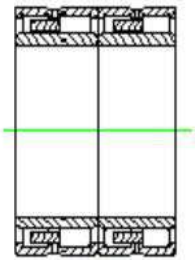

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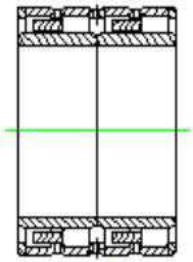

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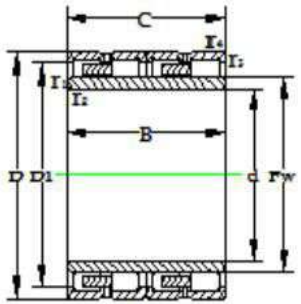
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
420	580	230	466	4.0	4.0	2430	6250	FC84116230/YA3		1	181				4R8408	
	580	320	463	5.0	5.0	4680	10800	FCD84116320/YA3		6	250	313555 B/VJ202	533053			
	600	440	470	5.0	5.0	7100	17200	FCDP84120440/YA3		9	433	313513	545467	420RV6011	4R8407	
	620	300	473	5.0	5.0	520	15800	FCD84124300		4	416					
	620	400	473	5.0	5.0	6930	15600	FCD84124400/YA6		7	430	314391/VJ202				
	620	400	478	5.0	5.0	500	13400	FC84124400		1	410				4R8401	
430	570	340	465	5.0	5.0	6000	16800	FCDP86114340/YA3		10	260		526415			
	591	420	476	5.0	5.0	5200	13400	FCD86118420/YA3		5	355			430RV5921	4R8605	
440	590	270	482	5.0	5.0	3620	8460	FC88118270/YA3		3	207					88FC59270W
	620	450	487	5.0	5.0	7350	17800	FCDP88124450/YA6		10	450	314554 B	517454A	440RV6213	4R8801	88FC62450AW
	620	450	490	5.0	5.0	7450	19000	FCD88124450/YA3		5	450			440RV6221		
	640	420	492	5.0	5.0	7820	18400	FCDP88128420/YA3		9	470					88FC64420
	650	355	494	5.0	5.0	6700	14000	FCDP88130355/YA6		10	420	316899 A				
450	590	435	486	5.0	5.0	5150	14800	FCDP90108435/YA6		10	345		542648			
	630	450	500	5.0	5.0	6950	17500	FCD90126450/YA3		5	440			450RV6321		90FC63450A
460	610	322	499	5.0	5.0	410	14600	FCDP92122322/YA6		10	290		526420			
	620	320	500	5.0	5.0	4800	16200	FCDP92124320/YA3		9	296		526026			
	620	400	506	5.0	5.0	5500	14700	FC92124400/YA3		1	352			460RV6201		
	620	400	502	5.0	5.0	6400	16600	FCDP92124400/YA6		10	368			460RV6211	4R9223	92FC62400BW
	620	460	502	5.0	5.0	7100	19100	FCDP92124460/YA6		10	427			460RV6212		
	650	355	509.5	5.0	5.0	6240	14100	FCDP92130355/YA6		10	386	313031 A				
	650	424	510	5.0	5.0	7510	17620	FCDP92130424/YA6		10	458	315196 A	513584 A		4R9216	92FC65470W
	650	470	509	5.0	5.0	8680	20900	FCDP92130470/YA6		10	523	314560	518846	460RV6511		
	660	475	508	5.0	5.0	11000	35000	FCDP92132475/YA6		10	585		517693			
	670	500	522	5.0	5.0	8900	22700	FCD92134500/YA3		5	601			460RV6721		
	700	540	519	5.0	5.0	12000	37500	FCDP92140540/YA3		9	786		529368			
480	600	236	510	3.0	3.0	2620	7850	FC96120236/YA3		1	155				4R9610	



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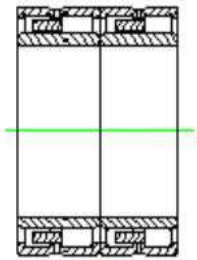

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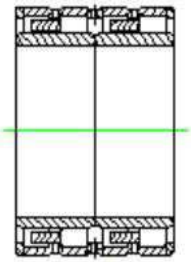

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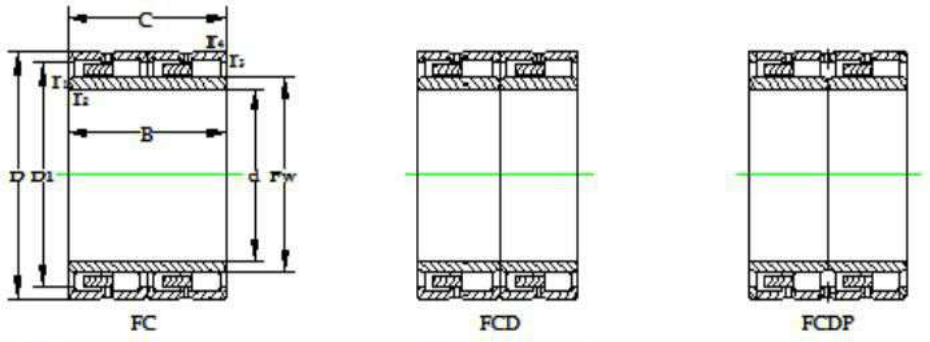
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
480	650	340	522	5.0	5.0	6550	18400	FCDP96130340/YA3		9	320		525884			
	650	420	522	5.0	5.0	9120	23700	FCDP96130420/YA6		10	440		525912			
	650	450	525	5.0	5.0	7680	21000	FCDP96130450/YA6		11	440	316690 B	547659			
	650	460	526	5.0	5.0	7730	20800	FCDP96130460/YA3		9	443					96FC65460
	680	420	528	5.0	5.0	7840	19100	FCDP96136420/YA6		10	515	319320	533522			
	680	460	532	5.0	5.0	8620	21300	FCDP96138460/YA6		10	545					96FC68460
	680	500	528	5.0	5.0	8570	23000	FCDP96136500/YA6		10	605	316624				
	680	500	532	5.0	5.0	8790	23700	FCDP96136500A/YA6		10	585	313516 D	514445 B		4R9604	
	680	500	534	5.0	5.0	9000	23100	FCDP96136500A1/YA6		10	620			480RV6801		96FC68500
	700	400	538	5.0	5.0	7650	17400	FCDP96140500/YA6		10	538			480RV7031		
	700	500	534	5.0	5.0	9200	34200	FCDP96136500/YA6		10	675		546125			
	700	530	536	5.0	5.0	8300	31500	FCDP96140530/YA3		9	720		523399			
500	650	260	542	6.0	6.0	4020	9750	FCD100130260/YA3		5	225	319254/VJ202				
	670	450	540	6.0	6.0	8300	22300	FCDP100134450/YA6		11	464	316083 A		500RV6712 E		
	670	450	556	6.0	6.0	4500	11400	FCDP100134450A/YA6		10	458		533023			
	680	450	550	6.0	6.0	5775	21300	FCDP100136450/YA6		10	500	BC4B316515	546335			
	690	470	547	6.0	6.0	7650	22500	FCDP100138470/YA6		10	590				4R10016	
	690	510	550	6.0	6.0	8850	23900	FCDP100138510/YA6		10	580			500RV6913		
	690	510	552	6.0	6.0	9000	24600	FCDP100138510A/YA6		10	580			500RV6921	4R10006	
500	700	500	554	6.0	6.0	11600	38000	FCDP100140500/YA6		10	615		517692			
	700	515	554	6.0	6.0	9100	23800	FCDP100140515/YA6		10	622			500RV7021	4R10011	
	710	480	558	6.0	6.0	8500	21200	FCDP100142480/YA3		9	632	316968 A	530488	500RV7111		
	720	400	558	6.0	6.0	7920	17600	FCDP100144400		9	530	BC4B322066				
	720	530	560	6.0	6.0	9950	25300	FCDP100144530/YA6		10	782			500RV7211		
	720	530	568	6.0	6.0	10800	28500	FCDP100144530A/YA6		10	780	314441 B	513378 A		4R10015	
510																
	670	320	554	6.0	6.0	4950	12700	FCP102134320/YA6		1	298			510RV6701		10FC67320
	680	500	560	6.0	6.0	8970	24700	FCDP102136500/YA6		10	522	BC4B319411	567725A			
	700	540	558	6.0	6.0	8300	25000	FCDP102140540/YA6		10	690				4R10202	



基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
510	730	520	565	6.0	6.0	13400	42000	FCDP102146520/YA6		10	745		541646			
	730	520	569	6.0	6.0	9520	22000	FCD102146520A/YA3		6	750	BC4-8009/HB1				
	760	550	570	6.0	6.0	12100	26500	FCDP102152550/YA6		10	950	BC4-8007/HB1	517690			
520	680	450	562	5.0	5.0	7810	22300	FCDP104136450/YA6		10	435					10FC68450W
	700	540	564	6.0	6.0	8200	25500	FCDP104140540/YA6		10	658				4R10403	
	720	550	566	6.0	6.0	9400	27700	FCDP104144550/YA6		10	715				4R10406	
	735	535	574.5	6.0	6.0	10400	26300	FCDP104147535/YA6		10	750			520RV7331	4R10402	104FC74535
	750	530	576	6.0	6.0	13700	45000	FCDP104150530/YA6		10	785		541647			
530	700	540	574	6.0	6.0	8150	26500	FCDP106140540/YA6		10	626				4R10603	
	760	520	587	6.0	6.0	11700	28500	FCDP106152520/YA6		10	798	314886 A	531597			
	760	520	590	6.0	6.0	9150	26700	FCDP106152520A/YA6		10	800				4R10601	
	780	500	591	6.0	6.0	9350	20200	FCD106156500/YA3		6	805	315040/VJ202				
	780	570	595	6.0	6.0	11800	29200	FCDP106156570/YA6		10	960			530RV7813	4R10606	106FC78570
	780	570	601	6.0	6.0	11800	29200	FCDP106156570A/YA6		10	960	314517 A	517689 A	530RV7811	4R10602	
	870	670	615	6.0	6.0	21200	67000	FCDP106174670		10	1680		543481			
545	810	580	614	6.0	6.0	13500	33400	FCDP109162580/YA6		10	1090					109FC81580
550	740	510	600	6.0	6.0	9150	25700	FCDP110148510/YA6		10	648	316691 B	532843			110FC74510
	740	510	602	6.0	6.0	9150	25700	FCDP110148510A/YA6		10	648			550RV7411 A		
	800	520	612	6.0	6.0	11700	26500	FCD110160520/YA6		10	895	316115/VJ202				
	800	520	622	6.0	6.0	9450	27000	FCDP110160520A/YA6		10	550		517688		4R11001	
	800	560	610	6.0	6.0	12100	28000	FC110160560/YA3		4	930	BC4B322719/HB1				
560	680	360	590	6.0	6.0	4650	16500	FC112136360/YA3		1	265			560RV8011	4R11202	
	800	600	620	6.0	6.0	12400	31500	FCDP112160600/YA6		10	1020					112FC80600
	820	600	625	6.0	6.0	14200	34000	FCDP112164600A/YA6		10	1080	BC4B322930/HA4	517687 A			
	820	630	625	6.0	6.0	14000	452000	FCDP112164630/YA6		10	1240		526708			112FC82630
	920	710	652.5	7.5	4.0	19640	45400	FCDP112184710/YA6		10	2010	313189 A				
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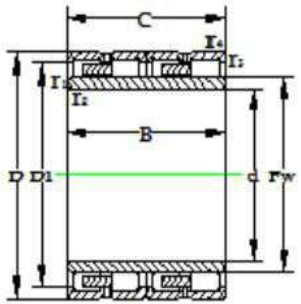

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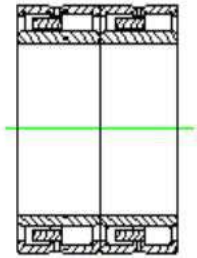

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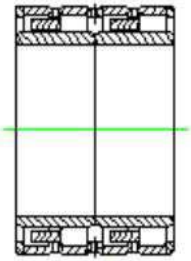

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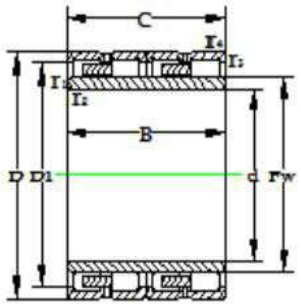
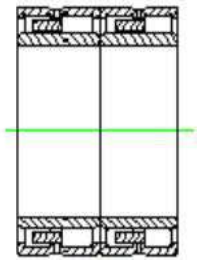
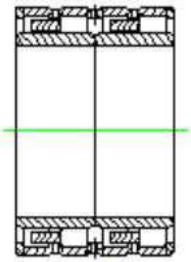
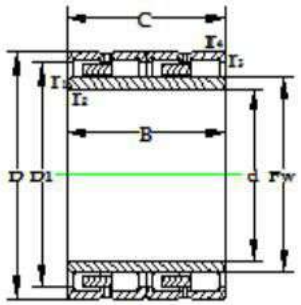
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
570	800	514	626	6.0	6.0	10200	29200	FCDP114160514/YA6		10	849				4R11404	
	815	594	628	6.0	6.0	13700	33500	FCDP114163594/YA6		10	964			570RV8111	4R11402	114FC81594
	830	600	635	6.0	6.0	17600	67800	FCDP114166600/YA6		10	1210		517686			
580	850	640	648	6.0	6.0	18000	63400	FCDP116170640/YA6		10	1275		517685			
590	820	590	649	6.0	6.0	13100	35100	FCDP118164590/YA6		10	990					118FC82590
600	820	550	660	6.0	6.0	9400	30400	FCDP120164550/YA6		10	900		518780			
	820	575	660	6.0	6.0	12900	35500	FCDP120164575/YA6		10	936	315175 A	528518	600RV8212E	4R12006	120FC82575
	820	575	660	6.0	6.0	12900	35500	FCDP120164575G/YA6		11	936	315175C				
	870	540	672	6.0	6.0	12080	38500	FCDP120174540/YA6		10	1150	315068 A	533259		4R12002	
	870	640	672	7.5	7.5	15700	40000	FCDP120174640/YA6		10	1320	315513	517684 A	600RV8713	4R12001	120FC87640
	870	640	682	7.5	7.5	15700	40000	FCDP120174640A/YA6		10	1320	314317 A		600RV8711		
	920	680	674	6.0	6.0	23000	67000	FCDP120184680/YA6		10	1810		526235			
610	820	430	665	6.0	6.0	9350	23600	FCDP122164430/YA6		10	656	315257 A				
	850	570	670	6.0	6.0	12600	33000	FCDP122170570/YA6		10	1040			610RV8511		122FC85570
	870	660	680	6.0	6.0	15200	41000	FCDP122174660/YA6		10	1370			610RV8711	4R12202	122FC87660
630	800	360	675	5.0	5.0	6850	19500	FCDP126160360/YA6		10	440					126FC80360
	900	670	698	6.0	6.0	20800	63500	FCDP126180670/YA6		10	1525		517683			
	920	515	700	7.5	7.5	10700	17160	FCDP126184515		10	1182					
650	900	650	704	7.5	7.5	14800	41500	FCDP130180650/YA6		10	1260	BC4-8002/HA6				
	920	670	723	7.5	7.5	16200	44000	FCDP130184670/YA6		10	1470	313007 C	515194 A	650RV9212	4R13005	130FC92670
	920	680	723	7.5	7.5	14800	47000	FCDP130184680/YA6		10	1510				4R13010	
	920	690	723	7.5	7.5	16600	45000	FCDP130184690/YA6		10	1520			650RV9211	4R13003	
	920	690	724	7.5	7.5	16700	45500	FCDP130184690A/YA6		10	1490					130FC92690
660	820	440	702	7.5	7.5	7260	20960	FCD132164440/YA3		6	536	239509 FA			4R13201	
	880	450	727	7.5	7.5	8390	22000	FCD132176450		4	792	313477/VJ202				
670	870	530	725	6.0	6.0	13700	34500	FCDP134174530/YA6		10	827		533258			
	950	690	740	6.0	6.0	22400	50000	FCDP134190690/YA6		10	1606		517682			







基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
680	940	600	743	7.5	7.5	19000	42500	FCD136188600/YA6		10	1295		533683			
	980	640	760	7.5	7.5	21200	45000	FCDP136196640/YA6		10	1219	313154 C	524229			
	1020	650	803	7.5	7.5	15700	48000	FCDP136204650/YA6		10	1970				4R13603	
	1020	680	775	7.5	7.5	17300	49500	FCDP136204680/YA6		10	2060				4R13604	
690	980	715	767.5	7.5	7.5	17900	48000	FCDP138196715/YA6		10	1790	313008 A	517681	690RV9831	4R13802	138FC98715
	980	750	766	7.5	7.5	19200	53000	FCDP138196750/YA6		10	1880			690RV9812	4R13803	138FC98750A
700	930	620	763	7.5	7.5	12900	38000	FCDP140186620/YA6		10	1200	316967	530487	700RV9311	4R14003	
	980	700	774	7.5	7.5	17800	49000	FCD140196600/YA3		5	1720			700RV9821		140FC98700
	1000	710	770	7.5	7.5	18900	47400	FCDP140200710/YA6		10	1810					140FC100710W
710	1000	715	787.5	7.5	7.5	18700	50500	FCDP142200715/YA6		10	1850	313403 C	517680 A	710RV1011	4R14205	
	1020	710	785	7.5	7.5	19300	49100	FCDP142204710/YA6		10	1940					142FC102710
730	940	500	780	7.5	7.5	12300	42500	FCDP146188500/YA6		10	1000		526447			
	960	620	790	7.5	7.5	15000	44500	FCDP146192620/YA6		10	1250	315982	525438	730RV9611		
	1030	750	809	7.5	7.5	20650	56400	FCDP146206750/YA6		10	2050	314518 B	517679	730RV1011		
750	1000	500	816	7.5	7.5	12100	32000	FCD150200500/YA6		7	1162	314420/VJ202				
	1000	670	813	7.5	7.5	16800	49500	FCDP150200670/YA6		10	1520	315973	524881A	750RV1011		
	1090	615	836	7.5	7.5	21600	43000	FCDP150218615/YA6		10	1966		800494			
	1133	670	848	7.5	7.5	21000	50100	FCDP150226670/YA6		10	2460					150FC113670
760	1030	750	828	7.5	7.5	17300	59500	FCDP152206750/YA6		10	2000			760RV1031	4R15204	152FC103750
	1030	750	834	7.5	7.5	18200	53500	FCDP152206750A/YA6		10	1880					
780	1070	780	853	7.5	7.5	23200	65000	FCDP156214780/YA6		10	2310	BC4-8015/HB1	540088			156FC107780
790	1015.9	610	850	7.5	7.5	15500	48800	FCDP158203610/YA6		10	1290					158FC102610
	1120	810	870	7.5	7.5	30000	69000	FCDP158224810/YA6		10	2605		517678			
800	1080	700	870	7.5	7.5	16500	55000	FCDP160216700/YA6		10	1950				4R16004	
	1080	700	878	7.5	7.5	19600	58000	FCDP160216700A/YA6		10	1950	315599 A	526169	800RV1011		
	1080	750	880	7.5	7.5	18500	56000	FCDP160216750/YA6		10	2050			800RV1012	4R16005	160FC108750
820	1130	800	903	7.5	7.5	23900	66500	FCDP164226800/YA3		10	2540	BC4B320455	803317	820RV1117	4R16406	164FC113800D



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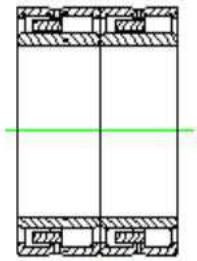

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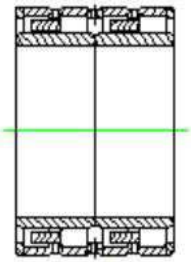

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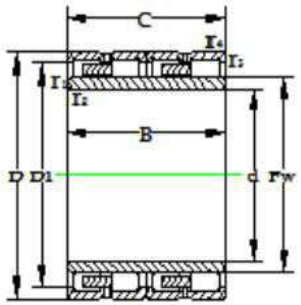
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers 新代号 New	旧代号 Old	图例	质量(kg) Mass 参考 Refer.	相当于国外型号 SKF	FAG	NSK	NTN	KOYO
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor									
820	1160	840	911	7.5	7.5	23600	71500	FCDP164232840A/YA6		10	2900			820RV1111A	4R16403	164FC116840
830	1080	710	896	7.7	7.7	22800	62000	FCDP166216710/YA6		10	1725		567729		4R16601	166FC108710
840	1160	840	920	7.5	7.5	24700	70800	FCDP168232840/YA6		10	2810			840RV1111	4R16801	168FC116840
850	1150	650	941	7.5	7.5	15700	51000	FCDP170230650/YA6		10	1980				4R17001	
	1150	800	930	7.5	7.5	19700	71000	FCDP170230800/YA6		10	2430				4R17003	
	1150	840	928	7.5	7.5	25300	73100	FCDP170230840/YA6		10	2586	315826 A	545636	850RV1114	4R17009	
	1180	650	945	7.5	7.5	19600	53000	FCDP170236650/YA6		10	2260			850RV1133	4R17004	170FC118650
	1180	850	928	7.5	7.5	24100	78500	FCDP170236850/YA6		10	2970				4R17002	
	1180	850	940	7.5	7.5	24600	72000	FCDP170236850A/YA6		10	2850			850RV1111	4R17014	170FC118850B
	1220	900	940	7.5	7.5	28000	82400	FCDP170244900/YA6		10	3720		523397			
860	1130	670	934	7.5	7.5	18320	56300	FCDP172226670/YA6		10	1792			860RV1132		
	1140	750	938	7.5	7.5	17200	61000	FCDP172228750/YA6		10	2200				4R17202	172FC114750
880	1140	800	946	6.0	6.0	23600	77400	FCDP176228800/YA6		10	2210					176FC114800
900	1220	840	989	7.5	7.5	26100	78600	FCDP180244840/YA6		10	3075	316043	527048	900RV1212		
	1280	930	1000	7.5	7.5	32500	92600	FCDP180256930/YA6		10	4096	313528 C	541812	900RV1213		180FC128930
940	1320	1000	1029	7.5	7.5	41200	95600	FCDP1882641000/YA6		10	4380		517676			
950	1360	975	1075	9.5	9.5	31700	97000	FCDP190272975/YA6		10	4900	BC4B319862				
	1360	1000	1075	9.5	9.5	37200	108000	FCDP1902721000/YA6		10	5020	314520 C	517369A	950RV1311		
980	1310	880	1061.7	9.5	9.5	28300	83560	FCDP196262880/YA6		10	3320	319303	580309			
	1360	1000	1080	9.5	9.5	41500	106000	FCDP1962721000/YA6		10	4675		517740			
990	1360	760	1080	12	12	30500	68000	FCDP198272760/YA6		10	3270		522071			
1000	1310	880	1080	12	12	23400	88500	FCDP200262880/YA6		10	3260				4R20001	
	1360	800	1090	12	12	25000	85000	FCDP200272800/YA6		10	3530				4R20002	
	1360	800	1101	12	12	27300	80800	FCDP200272800A/YA6		10	3574	316234 A	527021			



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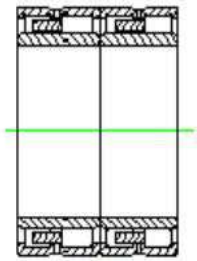

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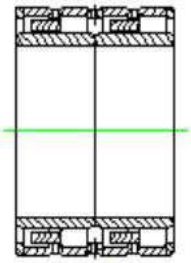
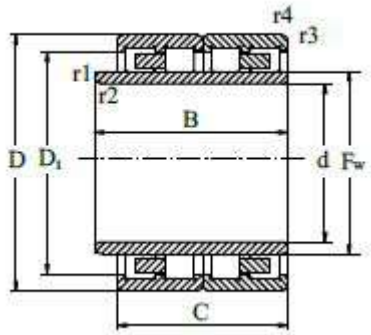


FCDP

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		图例	质量(kg) Mass	相当于国外型号				
								新代号	旧代号		参考					
d	D	B	Fw	r1.2 min	r3.4 min	Cr	Cor	New	Old		Refer.	SKF	FAG	NSK	NTN	KOYO
1030	1380	850	1124	12	12	24400	89000	FCDP206276850/YA6		10	3800				4R20601	206FC138850A
1040	1440	1000	1145	12	12	44000	112000	FCDP2082881000/YA6		10	5175		517675			
1060	1360	800	1137	12	12	32500	91500	FCDP212272800/YA6		10	3005		521910			
1100	1500	1000	1194	12	12	47500	116000	FCDP2203001000/YA6		10	5360		517737			
1120	1580	1150	1255	12	12	43300	134100	FCDP2243161150/YA6		10	7420			1120RV1511		
1150	1500	760	1240	12	12	33500	86500	FCDP230300760/YA6		10	3625		518206			
1200	1590	1050	1295	12	12	36000	133000	FCDP2403181050/YA6		10	6220				4R24002	
	1590	1050	1305	12	12	41200	128000	FCDP2403181050A/YA6		10	5970	315494 B	518649			
	1620	1150	1305	12	12	58500	157000	FCDP2403241150/YA6		10	7500		518578			
	1700	1150	1320	12	12	64000	194000	FCDP2403401150/YA6		10	8670		518218			
1250	1650	1000	1360	12	12	48000	162000	FCDP2503301000/YA6		10	6380		534794			
	1750	1150	1370	12	12	65500	210000	FCDP2503501370/YA6		10	9000		525063			
1270	1602	850	1354	12	12	32800	111000	FCDP254320850/YA6		10	4200					254FC160850
1300	1700	1000	1410	12	12	48000	172000	FCDP2603401000/YA6		10	6600		534795			
1350	1850	1150	1470	12	12	68000	198000	FCDP2703701150/YA6		10	10050		525078			
1400	1900	1150	1520	12	12	64000	156000	FCDP2803801150/YA6		10	9470		528717			
	1900	1360	1521	12	12	68000	180000	FCDP2803801360/YA6		10	11300	BC4-8005/HA4				
1480	1830	1000	1569	12	12	50000	162000	FCDP2962661000/YA6		10	6370		525213			
1500	1950	1200	1605	12	12	72000	226000	FCDP3003901200/YA6		10	10150		528807			
	1950	1230	1610	12	12	71000	200000	FCDP3003901230/YA6		10	9880		534900			
1600	1950	1230	1690	12	12	58500	194000	FCDP3203901230/YA6		10	8400		534899			
	2240	1300	1760	15	15	91500	310000	FCDP3204481300/YA6		10	16800		535085			

Four-row Cylindrical Roller Bearing

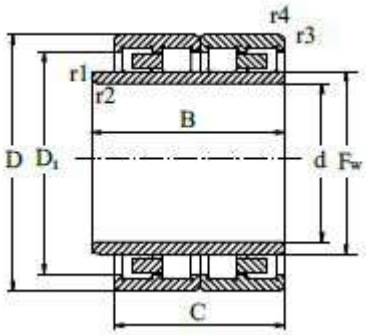
WSW



外形尺寸mm							额定载荷KN		内径mm	参考国外轴承代号				参考重量
d	D	B	C	Fw	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	d	SKF	FAG	NSK	KOYO	kg
115	165	107.5	90	132.5	1.1	1.1	402	765	115	BC4B319738A				8.51
135	188	121	120	150	1.5	1.5	632	1260	135				27FC19120	10.3
139.7	215	195	187	156.285	3.0	0.4	1010	2280	139.7	BC4B466971B				25.2
170	260	250	225	196	2.5	2.1	1930	3350	170		801083			41.8
200	280	180	170	222	2.1	2.1	1630	3000	200	319019	530908			35.1
	280	200	180	222	2.0	2.0	1280	2620					40FC28180/200	34.4
	310	260	230	229	3.0	3.0	2360	3750			800426			64.9
220	340	320	290	250	3.0	2.0	3550	5850	220		580510			100
240	330	240	220	270	2.1	2.1	1720	4300	240	BC4B320415				60.5
	350	224	184	270	3.0	3.0	1610	3110					48FC35184/224	62.4
250	350	320	290	277	3.0	3.0	3100	6000	250		801076			86.5
260	370	240	220	292	3.0	3.0	2200	4605	260	BC4B319464/HA3	536897			79.4
270	380	295	275	300	2.1	2.1	3550	7200	270	315605	522009			100
280	390	240	220	312	2.1	3.0	2280	4300	280		533575			83.9
	390	250	220	312	3.0	3.0	2240	5000		319259				84.5
300	420	320	300	332	4.0	1.5	4150	8800	300	319129	532504			135
	420	330	300	332	4.0	1.5	3740	8800		BC4-0003				140
320	440	240	230	351	3.0	3.0	2530	5490	320				64FC44230/240	103
	440	280	240	353	3.0	3.0	2500	5670					64FC44240/280	131
	440	370	340	350	4.0	1.5	4650	9500			580511			160
340	480	356	350	376	3.0	3.0	4190	9630	340				68FC48350	200
	480	370	350	378	4.0	1.5	5300	11000		319040A	531839			210
	500	410	370	385	6.0	3.0	5850	11200			580512			289
350	500	400	380	388	6.0	3.0	6550	13200	350		538977			246
	520	320	300	401	5.0	5.0	5100	9000		BC4B326858/HB3	801476			240
360	480	250	230	392	3.0	3.0	2800	6450	360				72FC48230/250	117
	510	400	380	399	4.0	1.5	6100	12200		316890B	533808			260

Four-row Cylindrical Roller Bearing

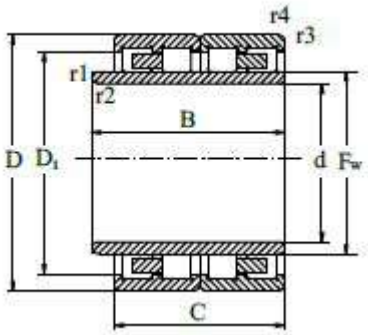
WSW



外形尺寸mm							额定载荷KN		内径mm	参考国外轴承代号				参考重量
d	D	B	C	Fw	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	d	SKF	FAG	NSK	KOYO	kg
370	520	410	380	409	3.0	1.5	6100	11800	370		801082			258
380	540	400	380	424	4.0	1.5	5700	13700	380	315606	522007			295
	540	400	380	422	4.0	1.5	6700	14000		BC4B320989/HA3	565463			300
410	560	420	400	450	3.0	2.0	7500	16000	410	BC4B320612	561269			293
430	570	360	340	465	4.0	5.0	6200	13200	430		533022			245
440	620	430	410	487	2.1	2.0	8650	17600			579578			398
	620	470	450	487	4.0	3.0	9500	20000	440	BC4B320608	533578			434
	620	470	450	487	4.0	3.0	9300	19300			561271			428
460	650	460	424	510	4.0	3.0	7810	18300		BC4B322993A/HA7				490
	650	490	470	509	5.0	2.5	10400	22000	460		536712			513
	680	410	410	516	2.5	2.5	9800	18300			567014			527
480	650	450	450	525	3.0	3.0	9800	22000	480		533487			443
500	670	450	450	540	2.1	5.0	9500	21200			540386			459
	670	470	450	540	4.0	4.0	9500	21600			564182			454
	670	479	450	540	6.0	5.0	8250	22000	500	BC4-8010/HA4				485
	670	517	450	540	6.0	5.0	8250	22000		BC4-8011/HA4				475
	680	420	405	550	5.0	5.0	6710	17600				500RV6812	100FC68405	451
530	760	555	520	587	5.0	2.5	13700	29000	530		579713			809
550	740	527	510	600	2.1	2.0	12200	28500	550		579741			645
570	830	630	600	635	3.0	4.0	16600	34500	570		532470			1155
580	780	520	486	634	4.0	2.0	9900	27000		BC4-8012/HA4				700
	780	521	486	634	4.0	2.0	9900	27000	580	BC4B326140/HA4				700
	780	558	486	634	4.0	2.0	9900	27000		BC4-8013/HA4				715
600	870	578	540	672	5.0	4.0	15300	31500	600	BC4B322497/HA4	572137			1260
710	929.9	645	635	767	5.0	5.0	15500	47000	710	142FC93635				1310
750	1080	665	650	833	7.5	7.5	19000	46900	750	4CR750				2020

Four-row Cylindrical Roller Bearing

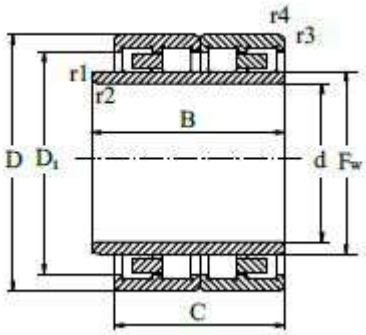
WSW

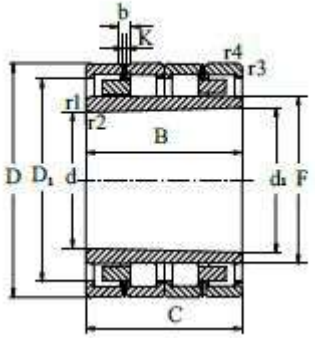


外形尺寸mm							额定载荷KN		内径mm	参考国外轴承代号				参考重量
d	D	B	C	Fw	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	d	SKF	FAG	NSK	KOYO	kg
760	1080	805	790	845	6.0	6.0	23100	63500	760	760RV1032A 4CR760A				2460
	1080	805	790	847	6.0	6.0	22600	61700		4CR760				2440
765	1010	718	708	827	6.0	6.0	19100	58000	765	153FC101708A				1610
	1065	662	652	840	6.0	6.0	19200	51700		153FC107652				1870
820	1100	745	720	892	6.0	3.0	19800	58500	820	BC4B316341/HA4	820RV1132			2000
	1130	825	800	903	7.5	7.5	24200	68000		319313	820RV1134			2570
850	1180	875	850	940	7.5	7.5	25400	72700	850		850RV1112A	4CR850A		2930
855	1094.9	665	655	918	6.0	6.0	18000	58000	855	171FC109655				1580
860	1160	735	710	940	7.5	6.0	20800	60000	860		860RV1133	172FC116710		2200
870	1145	705	685	940	6.0	6.0	20500	62900	870	174FC115685A				1990
900	1230	895	870	985	7.5	7.5	26900	77500	900		900RV1211	4CR900A		3200
	1230	895	870	990	7.5	7.5	26400	77500		180FC123870				3170
	1280	1050	840	1000	7.5	7.5	28900	79100		180FC128840				3890
920	1280	815	800	1010	7.5	7.5	28700	79900	920	184FC128800				3280
	1280	865	850	1015	7.5	7.5	27600	77500		184FC128850				3530
	1300	975	950	1019	7.5	7.5	32600	92600		4CR920A				4190
950	1300	965	950	1036	7.5	7.5	32600	96900	950	4CR950A				3920
1080	1358.8	825	800	1150	7.5	7.5	25400	87000	1080	216FC136800				2840
1200	1509.85	1027.5	1005	1278	7.5	7.5	36600	131000	1200	240FC151101				4390

Four-row Cylindrical Roller Bearing

WSW

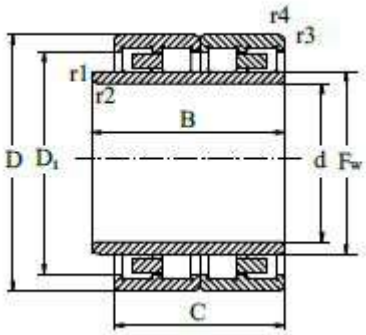


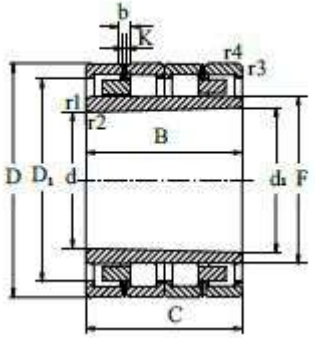


外形尺寸mm						参考国外轴承代号		内径mm	其它尺寸mm			额定载荷KN		参考重量
d	D	B	C	$r_{1,2min}$	$r_{3,4min}$	SKF	FAG							
105	150	71	71	0.6	1.1		319148B	105	107.367	123	138	255	475	4.10
125	180	100	90	1.0	1.5		BC4B319768K30	125	128.333	147	165	429	880	7.90
140	210	155	155	1.1	1.1		313900B	140	152.917	166	190	809	1560	17.0
151.5	230	168	168	1.1	2.0	314024C	505467	151.5	165.5	179	204	1160	2200	24.0
	230	168	168	2.0	2.0	BC4B467334C	803431		165.5	178.81	201	1160	2280	23.0
160	240	175	175	1.0	2.0	313436	507509	160	174.583	189	216	1250	2550	35.2
160.69	260	178.7	166	2.1	1.2	BC4B466949		160.69	175.582	195.85	226	1100	2550	34.0
162	230	130	130	1.0	2.0	312863	500861	162	172.833	188.5	211	780	1400	16.0
170	260	160	160	0.6	1.1	313423A		170	183.33	200	230	1100	2160	29.5
175	260	180	180	1.0	2.0	BC4B457919VCA		175	190	204	231	1210	3150	32.0
181	260	180	180	2.0	2.0	314874A	509665	181	196	209	234	1250	2650	29.5
	260	180	180	1.0	2.0	BC4B452683A			196	209	231	968	2600	28.0
181.5	260	168	168	1.1	2.0	314023A	505466	181.5	195.5	209	234	1220	2550	27.9
	260	168	168	1.5	1.5	BC4B467333B			195.5	209	231	968	2600	27.0
182	260	168	183	1.0	2.0	312942	500860	182	196	212	237	1340	2600	28.0
183.33	280	200	200	1.5	2.0	BC4B457920VCA		183.33	200	216.8	247	1380	3450	43.0
190	280	200	200	1.1	2.1	313583	503745	190	206.667	222	252	1630	3350	40.0
	290	180	180	1.0	2.1	313422	507508		205	223	257	1560	2850	41.0
192	270	170	170	1.0	2.1	313153	502284	192	206.167	222	248	1290	2700	28.5
200.833	310	230	230	3.0	3.0	BC4B457922VAB		200.833	220	238.3	272	1870	4750	62.5
202	290	192	192	1.0	2.1	313152	502279	202	218	236	264	1700	3400	39.5
	290	207	192	1.0	2.1	312858			219.25	236	264	1700	3400	42.5
	290	202.23	192	1.5	2.1	BC4B467419			218.85	223.5	258	1300	3600	49.0
205	310	225	225	1.1	3.0	313584K	503742	205	223.75	244	278	2200	4300	58.0
228.33	325	200	200	1.0	2.0	BC4B461839		228.33	245	265	295	1610	4550	48.5
230	330	220	220	1.1	2.1	313438A	506743A	230	248.333	266	300	2280	4650	57.5
231	330	235	220	1.1	2.1	312943C	500857A	231	249.333	270	300	2080	4300	59.0

Four-row Cylindrical Roller Bearing

WSW





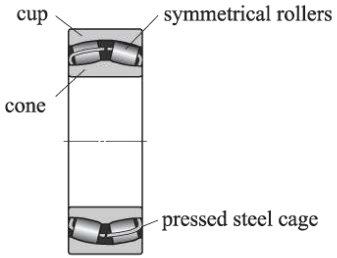
外形尺寸mm						参考国外轴承代号		内径mm	其它尺寸mm			额定载荷KN		参考重量
d	D	B	C	$r_{1,2min}$	$r_{3,4min}$	SKF	FAG							
246.67	380	280	280	3.0	2.5	BC4B457927		246.67	270	292.5	334	2640	7100	115
255	370	249	234	1.1	3.0	312860		255	274.5	300	336	2240	5400	82.0
260	400	250	250	1.1	3.0	313439	522518A	260	280.833	310	357	3000	5850	110
	400	285	285	1.1	3.0	313532A	507518		283.75	316	360	3400	7350	125
266.25	400	285	285	4.0	3.2	BC4B457929VCA		266.25	290	312.4	354	3200	7500	120
320	480	350	350	1.5	1.5	BC4B316345A	505356	320	349.167	378	431	5400	11200	215
340	520	300	300	2.0	5.0	315767K		340	365	401	469	4290	9000	215
356.67	550	400	400	3.2	4.0	BC4B457939VAA	510302A	356.67	390	423.7	483	6700	15000	335
365	540	300	300	2.0	2.0	313041C		365	390	421	490	5010	11000	230
382.5	590	450	450	5.0	5.0	319352		382.5	420	452.8	524	6930	16300	425
412.335	650	488	480	5.0	4.5	BC4B467373VCA		412.335	453.002	494.5	569	7480	21200	565
	650	488	488	4.0	4.0	314964	527181		453.002	494.5	581	9800	19000	576
412.5	630	450	450	1.5	4.0	BC4B457945VCA		412.5	450	487.8	554	6600	19000	490
440	650	355	355	3.0	3.0	313032		440	469.583	509.5	585	6270	14600	400
485	740	540	540	5.0	5.0	315523	577938	485	530	572.3	659	13200	28500	830
511.584	780	580	580	3.0	5.0	BC4B457956VCE		511.584	559.917	602.7	690	11900	34700	915
551.667	830	580	580	3.0	5.0	BC4B457960VCA		551.667	600	647.6	734	12300	32500	1070
571.627	870	640	640	3.0	4.0	BC4B319446		571.627	621.96	670	780	13400	40500	1335
571.667	870	640	640	4.0	5.0	BC4B457962VCA		571.667	625	673.2	768	17900	50000	1170
606.667	920	640	640	4.0	5.0	315526		606.667	660	715.8	818	16500	45000	1525
633.334	960	680	680	4.0	5.0	BC4B457969		633.334	690	745.73	845	14500	45000	1675
773.334	1120	800	800	4.0	6.0	BC4B319991/HA4		773.334	800.001	874.85	1003	23800	65500	2715
811.692	1180	850	850	1.5	6.0	BC4B457984VCA		811.692	840.025	919.5	1046	25100	68000	2980
918.354	1330	950.125	950	6.0	5.0	BC4B457995VCA		918.354	950.025	1038.9	1179	26400	85000	4380
950	1360	1000	1000	4.0	5.0	314520CK30		950	983.33	1075	1229	38000	110000	4830

Spherical Roller Bearing

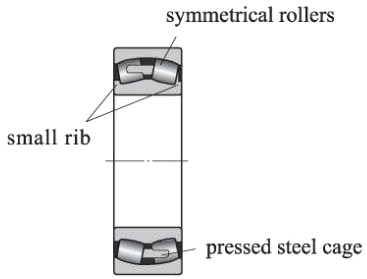
Product Characteristics

Two rows of spherical rollers are put between the spherical raceways on the outer ring and the two grooves on the inner ring for self-aligning roller bearings. Since the curve center of outer ring is same as the center of the whole bearing arrangement, these bearings are self-aligned and automatically adjust the bending of the shaft and housing and the eccentricity. Except radial load, these bearings also can carry combined axial and radial load in double direction. The especial carrying load capacity makes these bearings suitable for heavy load and shock load.

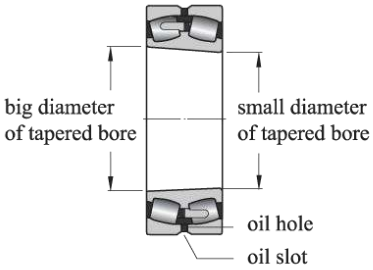
Self-aligning roller bearings are mainly used in various kinds of machinery such as metallurgic machinery, mining machinery, paper machinery, textile machinery, electrical machinery. They are used widely in mechanical industry.



C Type



CA Type



Types of bearings

WSW spherical roller bearings can be divided into the following types:

- Self-aligning roller bearings with cylindrical bores
- Self-aligning roller bearings with tapered bores.
- Self-aligning roller bearings used in vibration riddles.
- Split Self-aligning roller bearings

● Self-aligning roller bearings with cylindrical bores

These bearings can be divided into CA and C versions according to inner rings (with or without ribs) and cages. The CA version Self-aligning roller bearings with solid cages with double claws which are made of brass or carbon steel, have two small ribs on two ends of the inner ring ,no ribs at the middle, this version is mostly used on large size and extra large size bearings. The C version of Self-aligning roller bearings with pressed steel cage do not have rib on inner ring, and have movable central ring in the middle. Their rollers are guided by themselves. The rating load of these bearings are increased due to longer length of rollers, they have higher limit rotational speed and lower friction consumption.

● Self-aligning roller bearings with tapered bores

The features of Self-aligning roller bearings with tapered bores are same as Self-aligning roller bearings with cylindrical bore. The difference is that their inner bore is tapered, normally the tapered is 1:12.and is denoted withthe suffix K. The tapered 1:30 is applicable for 240 and 241 series, denoted with suffix K30.

Self-aligning roller bearings with tapered bore can be mounted directly on conical shaft necks by nuts, and also can be fixed on shafts with cylindrical bore by adapter sleeve or withdrawal sleeve.

● Vibration riddles spherical roller bearings

The new version vibration resistance Self-aligning roller bearings are developed by **WSW** especially for vibration machinery. They can be used on universal machinery. They have heavier load carrying capacity, resistant shock, vibration resistance, small friction, lower temperature rise and longer service life.

These bearings have the same boundary dimension as the basic version, and have fixed center ribs on the inner rings, they can carry axial load. The new design with special structure of cage, double guides by inner and outer diameter, can control the guide gap and displacement between the cage, inner and outer rings, prevents from vibration and reduces vibration.

The code name of vibration riddles Self-aligning roller bearings is denoted with the suffix VB.

● Split spherical roller bearings

These bearings are mainly used in the applications where it is difficult to touch bearings or separable bearings are used, and the broken down cost is expensive. For example, cranks.

WSW can manufacture different structures of split self-aligning roller bearings according to customer's demands. In order to meet the requirements of mounting, the split inner rings and outer rings are normally adopted. The jamming rings on the two sides of wide inner rings make the mounting easy.

The code name of split Self-aligning roller bearings is denoted with .the suffix D.

Dimension Scope:

The boundary dimensions of **WSW** spherical roller bearing are listed in the bearings dimensions datasheet.

Bore diameter dimension range:30 mm to 1800mm
Outside diameter dimension range:68mm to 2180mm
Width dimension range: 20mm to 530mm

Tolerance

WSW manufactures Self-aligning roller bearings with P0 and P6 precision grades. Also **WSW** can manufacture self-aligning roller bearings with P5 according to customer's demands. All the tolerance values conform to GB307.1 standard. All the tolerance values are listed in the preface tables.

Radial clearance

WSW manufactures self-aligning roller bearings with C0, C2, C3, C4 and C5 clearances all the conform to GB4604 standard. The C3 group clearances are taken as standard clearance for Self-aligning roller bearings with tapered bores. The radial clearance values are listed in the preface tables and these values are adapted to bearings without load.

WSW can manufacture self-aligning roller bearings with non standard clearances according to customer's demands.

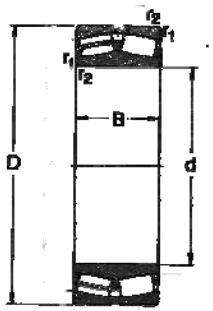
The clearance of Self-aligning roller bearings applied to vibration riddles is C4 group clearance.

Cage

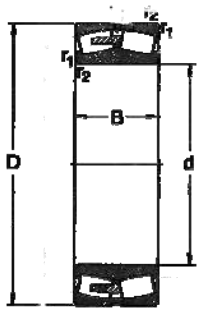
Normally, CA version Self-aligning roller bearings use brass, bronze cages or carbon steel solid cages. But C version Self-aligning roller bearings use normally steel sheet pressed cages. Please contact **WSW** in advance if you need Self-aligning roller bearings with non standard cages.

The equivalent load

The equivalent dynamic load
When Fa/Fr≤e,
P=Fr+Y1 Fa
When Fa/Fr＞e,
Pr=0.67Fr+Y2 Fa
The factors e, Y1 and Y2 are listed in the bearing dimension tables.
The equivalent static load
P0=Fr+Y0Fa
The factors Y0 are listed in the bearing dimension tables.



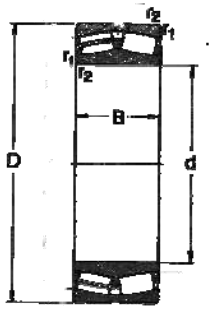
CC型



CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	d_{amin}	D_{amax}	r_{amax}	e	Y_1	Y_2	Y_0	Refer.
90	150	72	3	345	550	2300	3000	24018CAX3		94	142	2.5	0.46	2.2	2.2	1.43	4.94
	150	72	3	345	550	2300	3000	24018CAX3/W20		94	142	2.5	0.46	2.2	2.2	1.43	4.94
100	150	37	1.5	212	335	2200	2800	23020CA/W33	3053120KH	109	141	1.5	0.22	3.1	4.6	3	2.31
	150	50	1.5	276	470	1800	2400	24020CA/W33	4053120KH	109	141	1.5	0.3	2.3	3.4	2.2	3.08
	165	52	2	345	530	1700	2200	23120CA/W33	3053720KH	110	155	2	0.3	2.3	3.4	2.2	4.38
	165	65	2	345	535	1600	2200	24120CA/W33	4053720KH	110	155	2	0.35	1.9	2.9	1.9	5.42
	170	65	2	355	520	1600	2200	24120CAX1		110	155	2	0.37	1.82	2.7	1.78	6.21
	180	46	2.1	365	490	2400	3200	22220CA/W33	53520KH	112	168	2	0.24	2.9	4.3	2.8	4.84
	180	60.3	2.1	420	605	1600	2200	23220CA/W33	3053220KH	112	168	2	0.32	2.1	3.2	2.1	6.6
	215	73	3	690	930	1900	2400	22320CA/W33	53620KH	114	201	2.5	0.33	2	3	2	12.7
110	170	45	2	293	465	2000	2400	23022CA/W33	3053122KH	120	160	2	0.24	2.8	4.2	2.8	3.76
	170	60	2	380	645	1600	2200	24022CA/W33	4053122KH	120	160	2	0.32	2.1	3.1	2.1	4.96
	170	60	2	380	645	1600	2200	24022CC/W33		120	160	2	0.32	2.1	3.1	2.1	4.96
	180	56	2	385	630	1600	2000	23122CA/W33	3053722KH	120	170	2	0.28	2.4	3.5	2.3	5.7
	180	56	2	385	630	1600	2000		3203722	120	170	2	0.28	2.4	3.5	2.3	5.7
	180	69	2	460	750	1600	2000	24122CA/W33	4053722KH	120	170	2	0.36	1.9	2.8	1.8	6.84
	180	69	2	460	750	1600	2000	24122CC/W33		120	170	2	0.36	1.9	2.8	1.8	6.84
	200	53	2.1	485	645	2200	2800	22222CA/W33	53522KH	122	188	2	0.25	2.7	4	2.6	6.99
	200	53	2.1	485	645	2200	2800	22222CAK	153522	122	188	2	0.25	2.7	4	2.6	6.99
	200	69.8	2.1	515	760	1500	1900	23222CA/W33	3053222KH	122	188	2	0.34	2	3	1.9	9.54
	240	50	3	450	545	1300	1700	21322CA/W33	53322KH	124	226	2.5	0.22	3.1	4.6	3	11.2
	240	80	3	825	1120	1700	2200	22322CA/W33	53622KH	124	226	2.5	0.33	2.1	3.1	2	17.6
	240	92.1	3	840	1000	1700	2200	23322BZD/C4/W33		124	226	2.5	0.39	1.73	2.58	1.69	20.7
120	180	46	2	315	525	1800	2200	23024CA/W33	3053124KH	130	170	2	0.22	3	4.5	2.9	4.11
	180	60	2	395	705	1500	2000	24024CA/W33	4053124KH	130	170	2	0.32	2.1	3.2	2.1	5.33
	180	60	2	395	705	1500	2000	24024CC/W33		130	170	2	0.32	2.1	3.2	2.1	5.33
	200	62	2	465	720	1400	1800	23124CA/W33	3053724KH	130	190	2	0.29	2.4	3.5	2.3	7.85

Spherical Roller Bearing



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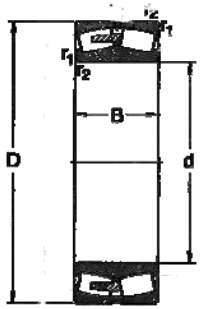
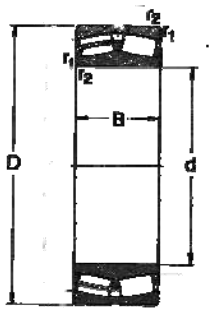


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
120	200	80	2	575	950	1400	1800	24124CA/W33	4053724KH	130	190	2	0.37	1.8	2.7	1.8	10
	215	58	2.1	550	765	2000	2600	22224CA/W33	53524KH	132	203	2	0.25	2.7	3.9	2.6	8.8
	215	76	2.1	630	970	1300	1700	23224CA/W33	3053224KH	132	203	2	0.34	2	2.9	1.9	12.1
	260	106	3	1000	1370	1300	1700	23324CA/W33		134	246	2.5	0.32	2.1	3.1	2	29.1
130	200	52	2	400	655	1700	2000	23026CA/W33	3053126KH	140	190	2	0.23	2.9	4.3	2.8	5.98
	200	69	2	495	865	1400	1800	24026CA/W33	4053126KH	140	190	2	0.31	2.2	3.2	2.1	7.84
	200	69	2	495	865	1400	1800	24026CC/W33		140	190	2	0.31	2.2	3.2	2.1	7.84
	210	64	2	505	825	1300	1700	23126CA/W33	3053726KH	140	200	2	0.28	2.4	3.6	2.4	8.69
	210	80	2	590	1010	1300	1700	24126CA/W33	4053726KH	140	200	2	0.35	1.9	2.9	1.9	10.7
	230	64	3	655	940	1900	2400	22226CA/W33	53526KH	144	216	2.5	0.26	2.6	3.8	2.5	11
	230	80	3	700	1080	1200	1600	23226CA/W33	3053226KH	144	216	2.5	0.34	2	2.9	1.9	14.3
	230	100	3	750	1220	1100	1500	24226CA/W33		144	216	2.5	0.45	1.5	2.2	1.5	17.6
	280	93	4	995	1350	1300	1600	22326CA/W33	53626KH	148	262	3	0.34	2	2.9	1.9	28.1
140	280	112	4	1120	1560	1200	1600	23326CA/W33		148	262	3	0.45	1.5	2.3	1.5	35.5
	210	53	2	420	715	1600	1900	23028CA/W33	3053128KH	150	200	2	0.22	3	4.5	2.9	6.49
	210	69	2	525	945	1300	1700	24028CA/W33	4053128KH	150	200	2	0.29	2.3	3.4	2.2	8.37
	210	69	2	525	945	1300	1700	24028CC/W33		150	200	2	0.29	2.3	3.4	2.2	8.37
	225	68	2.1	580	945	1200	1600	23128CA/W33	3053728KH	152	213	2	0.28	2.4	3.6	2.3	10.5
	225	85	2.1	670	1160	1200	1600	24128CA/W33	4053728KH	152	213	2	0.35	1.9	2.9	1.9	13
	250	68	3	645	930	1400	1700	22228CA/W33	53528KH	154	236	2.5	0.25	2.7	4	2.6	14.5
	250	88	3	835	1300	1100	1500	23228CA/W33	3053228KH	154	236	2.5	0.35	1.9	2.9	1.9	18.8
	250	109	3	880	1460	1000	1400	24228CA/W33		154	236	2.5	0.46	1.5	2.2	1.4	24.2
	300	102	4	1160	1590	1200	1500	22328CA/W33	53628KH	158	282	3	0.35	1.9	2.9	1.9	35.4
150	300	118	4	1250	1730	1100	1500	23328CA/W33		158	282	3	0.43	1.6	2.3	1.5	42.5
	210	45	2	334	622	1500	1700	23930CA/W33	3053930KH	160	200	2	0.2	3.44	5.12	3.36	4.97
	225	56	2.1	470	815	1400	1800	23030CA/W33	3053130KH	162	213	2	0.22	3.1	4.6	3	7.9
	225	75	2.1	590	1090	1200	1500	24030CA/W33	4053130KH	162	213	2	0.3	2.3	3.4	2.2	10.5

Spherical Roller Bearing



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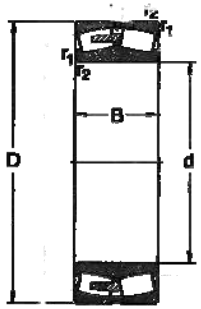
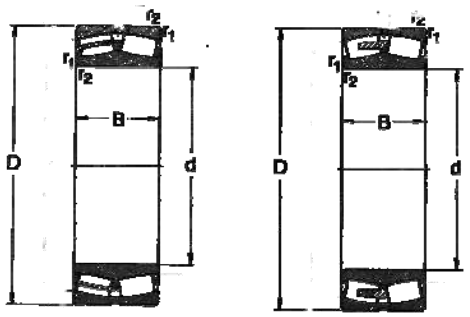


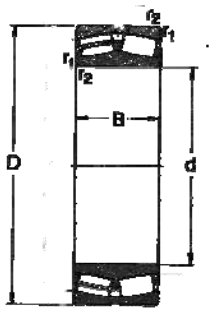
CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
150	225	75	2.1	590	1090	1200	1500	24030CC/W33		162	213	2	0.3	2.3	3.4	2.2	10.5
	250	80	2.1	725	1180	1100	1400	23130CA/W33	3053730KH	162	238	2	0.3	2.3	3.4	2.2	15.8
	250	100	2.1	890	1530	1100	1400	24130CA/W33	4053730KH	162	238	2	0.38	1.8	2.6	1.7	19.8
	250	100	2.1	890	1530	1100	1400	24130CC/W33		162	238	2	0.38	1.8	2.6	1.7	19.8
	270	73	3	765	1120	1300	1600	22230CA/W33	53530KH	164	256	2.5	0.26	2.6	3.9	2.5	18.4
	270	96	3	975	1560	1100	1400	23230CA/W33	3053230KH	164	256	2.5	0.35	1.9	2.9	1.9	24.2
	270	118	3	1020	1660	1000	1300	24230CA/W33		164	256	2.5	0.46	1.5	2.2	1.4	30.5
	320	108	4	1220	1690	1100	1400	22330CA/W33	53630KH	168	302	3	0.35	1.9	2.9	1.9	41.5
	320	128	4	1460	2080	1000	1300	23330CA/W33		168	302	3	0.44	1.5	2.3	1.5	52.5
152.434	270	100	2.1	852	1425	1200	1600	26/152.43CA/W33		165	238	2	0.37	1.8	2.7	1.8	19.5
	270	86	2.1	803	1300	1300	1700	26/152.43CA/W33		169	258	2	0.3	2.3	3.4	2.2	20.5
160	220	45	2	360	675	1400	1800	23932CA/W33	3053932KH	170	210	2	0.18	3.8	5.6	3.7	4.97
	220	60	2	393	807	1400	1800	24932CA/W33		170	210	2	0.24	2.8	4.2	2.8	6.85
	240	60	2.1	540	955	1300	1700	23032CA/W33	3053132KH	172	228	2	0.22	3	4.5	2.9	9.66
	240	80	2.1	680	1260	1100	1400	24032CA/W33	4053132KH	172	228	2	0.3	2.3	3.4	2.2	12.7
	240	80	2.1	680	1260	1100	1400	24032CC/W33		172	228	2	0.3	2.3	3.4	2.2	12.7
	270	86	2.1	855	1400	1000	1300	23132CA/W33	3053732KH	172	258	2	0.3	2.3	3.4	2.2	20.3
	270	109	2.1	1040	1760	1000	1300	24132CA/W33	4053732KH	172	258	2	0.39	1.7	2.6	1.7	25.4
	290	80	3	910	1320	1200	1500	22232CA/W33	53532KH	174	276	2.5	0.26	2.6	3.8	2.5	23.1
	290	104	3	1100	1770	1000	1200	23232CA/W33	3053232KH	174	276	2.5	0.34	2	2.9	1.9	30.5
	290	128	3	1120	1800	950	1300	24232CA/W33		174	276	2.5	0.47	1.4	2.1	1.4	36
	340	114	4	1360	1900	1100	1300	22332CA/W33	53632KH	178	322	3	0.35	1.9	2.9	1.9	49.3
	340	136	4	1630	2240	1100	1300	23332CA/W33		178	322	3	0.44	1.5	2.3	1.5	61.5
165.134	310	110	4	1159	1830	950	1300	26/165.13CA/W33		183	292	3	0.35	1.9	2.9	1.8	37.5
170	230	45	2	350	660	1400	1800	23934BCA/W33	3053934KH	180	220	2	0.17	3.9	5.8	3.8	5.38
	260	67	2.1	640	1090	1200	1600	23034CA/W33	3053134KH	182	248	2	0.23	2.9	4.3	2.8	13
	260	90	2.1	825	1520	1000	1300	24034CA/W33	4053134KH	182	248	2	0.31	2.2	3.2	2.1	17.3



CC型　　CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
170	280	88	2.1	940	1570	1000	1300	23134CA/W33	3053734KH	182	268	2	0.29	2.3	3.5	2.3	21.8
	280	109	2.1	1080	1860	1000	1300	24134CA/W33	4053734KH	182	268	2	0.37	1.8	2.7	1.8	26.6
	310	86	4	990	1500	1100	1400	22234CA/W33	53534KH	188	292	3	0.26	2.6	3.8	2.5	28.8
	310	110	4	1200	1910	900	1200	23234CA/W33	3053234KH	188	292	3	0.34	2	2.9	1.9	36.4
	310	140	4	1290	2080	900	1200	24234CA/W33		188	292	3	0.48	1.4	2.1	1.4	45
	360	120	4	1580	2110	1000	1200	22334CA/W33	53634KH	188	342	3	0.35	1.9	2.9	1.9	57.9
	360	140	4	1760	2500	1000	1200	23334CA/W33		188	342	3	0.43	1.6	2.3	1.5	71.8
180	250	52	2	470	890	1200	1600	23936CA/W33	3053936KH	190	240	2	0.18	3.7	5.5	3.6	7.64
	280	74	2.1	750	1270	1200	1400	23036CA/W33	3053136KH	192	268	2	0.24	2.8	4.2	2.8	17.1
	280	100	2.1	965	1750	950	1200	24036CA/W33	4053136KH	192	268	2	0.32	2.1	3.1	2	22.7
	280	100	2.1	965	1750	950	1200	24036CA/W33	4053136KH	192	268	2	0.32	2.1	3.1	2	22.7
	300	96	3	1050	1760	900	1200	23136CA/W33	3053736KH	194	286	2.5	0.3	2.3	3.4	2.2	27.5
	300	118	3	1190	2040	900	1200	24136CA/W33	4053736KH	194	286	2.5	0.37	1.8	2.7	1.8	33.1
	320	86	4	1020	1540	1100	1300	22236CA/W33	53536KH	198	302	3	0.26	2.6	3.9	2.6	30.2
	320	112	4	1300	2110	850	1100	23236CA/W33	3053236KH	198	302	3	0.33	2	3	2	38.9
	320	140	4	1430	2400	850	1100	24236CA/W33		198	302	3	0.46	1.5	2.2	1.4	50.4
	380	126	4	1740	2340	950	1200	22336CA/W33	53636KH	198	362	3	0.34	2	2.9	1.9	67
	380	150	4	2000	2850	950	1200	23336CA/W33		198	362	3	0.44	1.5	2.3	1.5	86.1
190	260	52	2	460	875	1200	1500	23938CA/W33	3053938KH	200	250	2	0.18	3.8	5.7	3.7	8.03
	290	75	2.1	775	1350	1100	1400	23038CA/W33	3053138KH	202	278	2	0.24	2.8	4.2	2.8	17.6
	290	100	2.1	975	1840	900	1200	24038CA/W33	4053138KH	202	278	2	0.31	2.2	3.2	2.1	24
	320	104	3	1190	2020	850	1100	23138CA/W33	3053738KH	204	306	2.5	0.31	2.2	3.3	2.2	34.5
	320	128	3	1370	2330	850	1100	24138CA/W33	4053738KH	204	306	2.5	0.4	1.7	2.5	1.6	41.5
	320	128	3	1370	2330	850	1100	24138CC/W33		204	306	2.5	0.4	1.7	2.5	1.6	41.5
	340	92	4	1140	1730	1000	1200	22238CA/W33	53538KH	208	322	3	0.26	2.6	3.8	2.5	35.5
	340	120	4	1440	2350	800	1100	23238CA/W33	3053238KH	208	322	3	0.35	1.9	2.9	1.9	47.6
	340	150	4	1600	2700	800	1100	24238CA/W33		208	322	3	0.47	1.4	2.1	1.4	61.2



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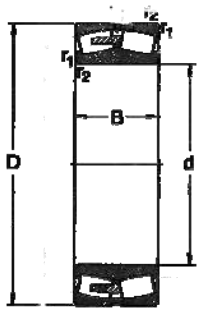
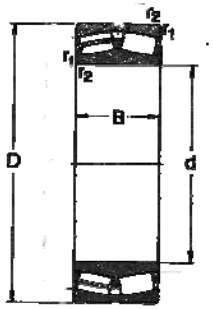


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
190	400	132	5	1890	2590	900	1100	22338CA/W33	53638KH	212	378	4	0.34	2	2.9	1.9	78.1
	400	155	5	2120	3050	900	1100	23338CA/W33		212	378	4	0.43	1.6	2.3	1.5	98
200	280	60	2.1	570	1060	1100	1400	23940CA/W33	3053940KH	212	268	2	0.2	3.4	5.1	3.3	11
	310	82	2.1	940	1700	1000	1300	23040CA/W33	3053140KH	212	298	2	0.25	2.7	4	2.6	22.6
	310	109	2.1	1140	2120	850	1100	24040CA/W33	4053140KH	212	298	2	0.32	2.1	3.1	2	30.4
	340	112	3	1360	2330	800	1000	23140CA/W33	3053740KH	214	326	2.5	0.31	2.2	3.2	2.1	42.7
	340	140	3	1570	2670	800	1000	24140CA/W33	4053740KH	214	326	2.5	0.39	1.8	2.6	1.7	51.3
	360	98	4	1300	2010	950	1200	22240CA/W33	53540KH	218	342	3	0.26	2.6	3.8	2.5	42.6
	360	128	4	1660	2750	750	1000	23240CA/W33	3053240KH	218	342	3	0.34	2	2.9	1.9	57.1
	360	160	4	1760	3050	750	1000	24240CA/W33		218	342	3	0.48	1.4	2.1	1.4	73.8
	420	138	5	2000	2990	850	1000	22340CA/W33	53640KH	222	398	4	0.34	2	2.9	1.9	92.6
200	420	165	5	2400	3450	850	1000	23340CA/W33		222	398	4	0.43	1.5	2.3	1.5	115
220	300	60	2.1	625	1240	1000	1300	23944CA/W33	3053944KH	232	288	2	0.18	3.8	5.7	3.7	12.2
	340	90	3	1090	1980	950	1200	23044CA/W33	3053144KH	234	326	2.5	0.24	2.8	4.1	2.7	29.7
	340	118	3	1360	2600	750	1000	24044CA/W33	4053144KH	234	326	2.5	0.31	2.1	3.2	2.1	40.5
	370	120	4	1570	2710	710	950	23144CA/W33	3053744KH	238	352	3	0.3	2.2	3.3	2.2	53
	370	150	4	1800	3200	710	950	24144CA/W33	4053744KH	238	352	3	0.39	1.7	2.6	1.7	66.7
	400	108	4	1570	2430	850	1000	22244CA/W33	53544KH	238	382	3	0.27	2.5	3.7	2.4	59
	400	144	4	2020	3400	670	900	23244CA/W33	3053244KH	238	382	3	0.35	1.9	2.9	1.9	80.4
	400	150	4	2040	3400	670	900	23244X2CA/W33	3053244X2KH	238	382	3	0.41	1.64	2.44	1.61	81.9
	400	180	4	2200	3750	650	900	24244CA/W33		238	382	3	0.48	1.4	2.1	1.4	103
	460	145	5	2350	3400	750	950	22344CA/W33	53644KH	242	438	4	0.33	2	3	2	116
240	320	60	2.1	635	1300	950	1200	23948CA/W33	3053948KH	252	308	2	0.17	4	6	3.9	13.3
	360	92	3	1160	2140	850	1100	23048CA/W33	3053148KH	254	346	2.5	0.24	2.8	4.2	2.7	32.6
	360	118	3	1390	2730	710	950	24048CA/W33	4053148KH	254	346	2.5	0.29	2.3	3.4	2.2	43.4
	400	128	4	1790	3100	670	850	23148CA/W33	3053748KH	258	382	3	0.3	2.2	3.3	2.2	66.9
	400	160	4	2130	3800	670	850	24148CA/W33	4053748KH	258	382	3	0.38	1.8	2.7	1.8	79.5
	440	120	4	1870	2890	750	950	22248CA/W33	53548KH	258	422	3	0.27	2.5	3.7	2.4	80.2



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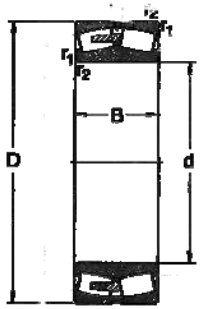
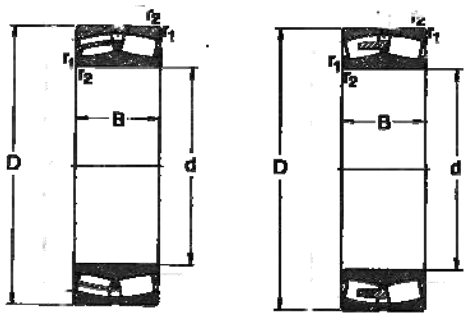


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
240	440	160	4	2440	4050	630	800	23248CA/W33	3053248KH	258	422	3	0.37	1.8	2.7	1.8	106
	440	200	4	2650	4550	600	800	24248CA/W33		258	422	3	0.49	1.4	2	1.3	140
	500	155	5	2600	3800	670	850	22348CA/W33	53648KH	262	478	4	0.32	2.1	3.2	2.1	147
260	320	45	2	366	883	850	1100	23852CA/W33	3053852KH	270	310	2	0.12	5.6	8.4	5.6	8.05
	360	70	2.1	805	1590	850	1000	23952X2CA/W33	3053952X2KH	272	348	2	0.18	3.76	5.6	3.67	21.6
	360	75	2.1	930	1870	850	1000	23952CA/W33	3053952KH	272	348	2	0.19	3.6	5.4	3.5	23
	360	100	2.1	1070	2375	850	1100	24952CA/W33	4053952KH	272	348	2	0.24	2.8	4.2	2.8	32
	400	104	4	1430	2580	800	950	23052CA/W33	3053152KH	278	382	3	0.25	2.7	4.1	2.7	46.6
	400	140	4	1810	3500	630	850	24052CA/W33	4053152KH	278	382	3	0.32	2.1	3.1	2.1	62.6
	440	144	4	2160	3750	600	800	23152CA/W33	3053752KH	278	422	3	0.32	2.1	3.2	2.1	88.2
	440	180	4	2560	4700	600	800	24152CA/W33	4053752KH	278	422	3	0.39	1.7	2.6	1.7	109
	480	130	5	2180	3400	670	850	22252CA/W33	53552KH	282	458	4	0.27	2.5	3.7	2.5	104
	480	174	5	2740	4550	560	750	23252CA/W33	3053252KH	282	458	4	0.37	1.8	2.7	1.8	137
260	480	218	5	3150	5400	530	670	24252CA/W33		282	458	4	0.49	1.4	2	1.3	182
	540	165	6	3100	4600	630	800	22352CA/W33	53652KH	288	512	5	0.32	2.1	3.2	2.1	180
280	350	52	2	480	1121	800	1000	23856CA/W33	3053856KH	290	340	2	0.12	5.6	8.4	5.6	12
	380	75	2.1	925	1950	800	950	23956CA/W33	3053956KH	292	368	2	0.18	3.9	5.7	3.8	24.5
	380	100	2.1	1016	2327	800	1000	24956CA/W33	4053956KH	292	368	2	0.23	2.9	4.4	2.8	34.5
	420	106	4	1540	2950	710	900	23056CA/W33	3053156KH	298	402	3	0.24	2.8	4.2	2.7	50.5
	420	140	4	1880	3800	600	800	24056CA/W33	4053156KH	298	402	3	0.31	2.2	3.3	2.2	66.4
	440	160	4	2180	4250	580	780	2656CA/W33		298	422	3	0.35	1.92	2.86	1.88	88.6
	460	146	5	2230	4000	560	750	23156CA/W33	3053756KH	302	438	4	0.3	2.2	3.3	2.2	94.3
	460	180	5	2640	5000	560	750	24156CA/W33	4053756KH	302	438	4	0.37	1.8	2.7	1.8	115
	500	130	5	2280	3650	630	800	22256CA/W33	53556KH	302	478	4	0.25	2.7	4	2.6	110
	500	176	5	2880	4900	530	670	23256CA/W33	3053256KH	302	478	4	0.35	1.9	2.9	1.9	147
	500	218	5	3250	5850	500	670	24256CA/W33		302	478	4	0.46	1.5	2.2	1.4	192
	580	175	6	3500	5150	560	710	22356CA/W33	53656KH	308	552	5	0.31	2.1	3.2	2.1	221
300	380	60	2.1	612	1482	700	900	23860CA/W33	3053860KH	312	368	2	0.13	5.2	7.7	5	17

Spherical Roller Bearing



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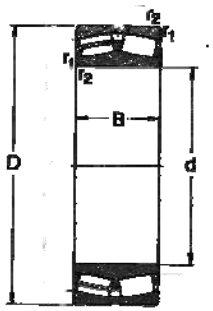
基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
300	420	90	3	1230	2490	710	900	23960CA/W33	3053960KH	314	406	2.5	0.19	3.5	5.2	3.4	38.2
	460	118	4	1920	3700	670	850	23060CA/W33	3053160KH	318	442	3	0.24	2.8	4.2	2.7	70.5
	460	160	4	2310	4600	530	710	24060CA/W33	4053160KH	318	442	3	0.32	2.1	3.1	2	93.6
	500	160	5	2670	4800	500	670	23160CA/W33	3053760KH	322	478	4	0.31	2.2	3.3	2.2	125
	500	200	5	3100	5800	500	670	24160CA/W33	4053760KH	322	478	4	0.38	1.8	2.6	1.7	152
	540	140	5	2610	4250	600	750	22260CA/W33	53560KH	322	518	4	0.25	2.7	4	2.6	139
	540	192	5	3400	5900	480	630	23260CA/W33	3053260KH	322	518	4	0.35	1.9	2.9	1.9	189
	540	243	5	3900	7200	450	600	24260CA/W33		322	518	4	0.48	1.4	2.1	1.4	254
	620	185	7.5	3950	5900	400	520	22360CA/W33	53660KH	350	572	6	0.31	2.2	3.3	2.2	264
320	400	60	2.1	639	1577	950	1300	23864CA/W33	3053864KH	332	388	2	0.12	5.6	8.4	5.6	17.5
	400	80	2.1	870	2210	900	1200	24864CA/W33		332	388	2	0.17	3.9	5.81	3.82	22.8
	440	90	3	1300	2750	670	850	23964CA/W33	3053964KH	334	426	2.5	0.18	3.7	5.5	3.6	40.6
	480	121	4	1960	3850	630	800	23064CA/W33	3053164KH	338	462	3	0.24	2.8	4.2	2.8	75.6
	480	160	4	2440	5050	500	670	24064CA/W33	4053164KH	338	462	3	0.31	2.2	3.3	2.2	99.7
	540	176	5	3050	5500	480	600	23164CA/W33	3053764KH	342	518	4	0.31	2.1	3.2	2.1	162
	540	218	5	3550	6650	480	600	24164CA/W33	4053764KH	342	518	4	0.39	1.7	2.6	1.7	196
	580	150	5	2990	4850	530	670	22264CA/W33	53564KH	342	558	4	0.26	2.6	3.9	2.6	174
	580	208	5	3900	6900	450	600	23264CA/W33	3053264KH	342	558	4	0.36	1.9	2.8	1.8	239
	580	213	5	4000	7050	450	600	23264X2CA/W33	3053264X2KH	342	558	4	0.36	1.86	2.77	1.82	241
	580	258	5	4300	8000	430	560	24264CA/W33		342	558	4	0.48	1.4	2.1	1.4	313
	670	200	7.5	4250	6550	400	530	22364CA/W33	53664KH	342	478	4	0.33	2.1	3.1	2	356
340	420	60	2.1	655	1643	630	800	23868CA/W33	3053868KH	352	408	2	0.12	5.6	8.4	5.6	18.5
	460	90	3	1330	2840	630	800	23968CA/W33	3053968KH	354	446	2.5	0.18	3.8	5.7	3.7	42.4
	520	133	5	2280	4400	560	710	23068CA/W33	3053168KH	362	498	4	0.24	2.8	4.2	2.8	101
	520	180	5	2920	6050	480	600	24068CA/W33	4053168KH	362	498	4	0.32	2.1	3.2	2.1	135
	580	190	5	3600	6600	430	560	23168CA/W33	3053768KH	362	558	4	0.31	2.1	3.2	2.1	206
	580	243	5	4250	7900	430	560	24168CA/W33	4053768KH	362	558	4	0.4	1.7	2.5	1.7	257
	620	165	6	3450	5600	430	560	22268CA/W33	53568KH	368	592	5	0.28	2.4	3.6	2.4	226



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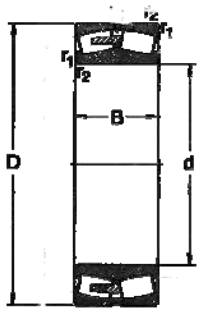
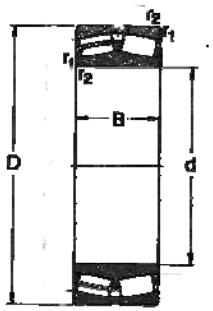


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
340	620	224	6	4400	7800	400	530	23268CA/W33	3053268KH	368	592	5	0.36	1.9	2.8	1.8	295
	620	280	6	5400	10000	380	500	24268CA/W33		368	592	5	0.47	1.4	2.1	1.4	390
	710	212	7.5	5000	7800	360	480	22368CA/W33	53668KH	368	682	5	0.33	2.1	3.1	2	422
360	440	60	2.1	677	1767	600	750	23872CA/W33	3053872KH	372	428	1	0.11	6.1	9.1	6.3	20
	480	72	3	1090	2350	630	800	22972CA/W33		374	466	2.5	0.14	4.94	7.36	4.83	37.1
	480	90	3	1390	3050	600	750	23972CA/W33	3053972KH	374	466	2.5	0.17	4.1	6	4	44.7
	540	134	5	2390	4700	530	670	23072CA/W33	3053172KH	382	518	4	0.24	2.8	4.2	2.8	106
	540	180	5	2930	6100	450	600	24072CA/W33	4053172KH	382	518	4	0.32	2.1	3.2	2.1	139
	600	192	5	3800	7100	400	530	23172CA/W33	3053772KH	382	578	4	0.31	2.2	3.2	2.1	217
	600	243	5	4200	8000	400	530	24172CA/W33	4053772KH	382	578	4	0.4	1.7	2.5	1.7	264
	650	170	6	3553	5890	600	750	22272CA/W33	53572KH	388	622	5	0.26	2.6	3.9	2.5	255
	650	232	6	4800	8550	380	500	23272CA/W33	3053272KH	388	622	5	0.36	1.9	2.8	1.8	342
	750	224	7.5	5500	8650	360	480	22372CA/W33	53672KH	388	718	5	0.33	2.1	3.1	2	503
380	520	106	4	1870	4100	530	670	23976CA/W33	3053976KH	398	502	3	0.18	3.7	5.5	3.6	65.4
	560	135	5	2500	5100	530	630	23076CA/W33	3053176KH	402	538	4	0.22	3	4.5	3	113
	560	180	5	3050	6600	430	560	24076CA/W33	4053176KH	402	538	4	0.29	2.3	3.4	2.3	148
	620	194	5	4000	7600	400	500	23176CA/W33	3053776KH	402	598	4	0.3	2.2	3.3	2.2	229
	620	243	5	4350	8450	400	500	24176CA/W33	4053776KH	402	598	4	0.38	1.8	2.6	1.7	275
	680	175	6	4050	6950	380	480	22276CA/W33	53576KH	408	652	5	0.27	2.5	3.7	2.4	288
	680	240	6	5150	9200	360	480	23276CA/W33	3053276KH	408	652	5	0.35	1.9	2.9	1.9	372
	680	245	6	5250	9650	360	480	23276X2CA/W33	3053276X2KH	408	652	5	0.36	1.89	2.82	1.85	382
	780	230	7.5	5850	9300	340	450	22376CA/W33	53676KH	412	748	6	0.32	2.1	3.2	2.1	554
400	500	100	2.1	1330	3500	600	800	24880CA/W33	4053880KH	412	488	2	0.18	3.76	5.59	3.67	45.3
	540	106	4	1890	4250	530	630	23980CA/W33	3053980KH	418	522	3	0.18	3.9	5.7	3.8	69.1
	600	148	5	2970	5900	480	600	23080CA/W33	3053180KH	422	578	4	0.23	3	4.4	2.9	146
	600	200	5	3600	7600	400	500	24080CA/W33	4053180KH	422	578	4	0.31	2.2	3.3	2.2	193
	650	200	6	4150	7900	380	480	23180CA/W33	3053780KH	428	622	5	0.29	2.3	3.4	2.3	257
	650	250	6	4950	10100	380	480	24180CA/W33	4053780KH	428	622	5	0.37	1.8	2.7	1.8	316



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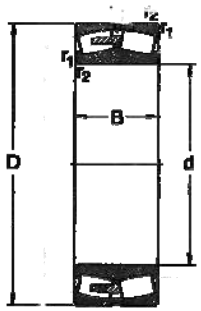
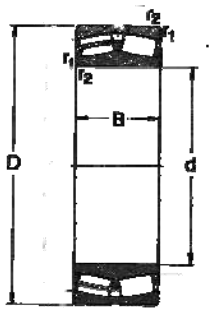


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	d_{amin}	D_{amax}	r_{amax}	e	Y_1	Y_2	Y_0	Refer.
400	720	185	6	4550	7650	360	450	22280CA/W33	53580KH	428	692	5	0.26	2.6	3.8	2.5	343
	720	256	6	5800	10400	340	450	23280CA/W33	3053280KH	428	692	5	0.36	1.9	2.8	1.9	449
	720	260	6	5850	10600	340	450	23280X2CA/W33		428	692	5	0.37	1.81	2.69	1.77	457
	720	315	6	6950	13200	320	430	24280CA/W33		428	692	5	0.45	1.5	2.2	1.5	582
	820	243	7.5	6232	9880	360	450	22380CA/W33	53680KH	436	784	6	0.3	2.3	3.4	2.2	650
420	520	75	2.1	1090	2710	530	630	23884CA/W33	3053884KH	432	508	2	0.12	5.42	8.08	5.3	34.8
	560	106	4	1870	4250	500	600	23984CA/W33	3053984KH	438	542	3	0.17	4	6	3.9	71.6
	620	150	5	2910	5850	450	560	23084CA/W33	3053184KH	442	598	4	0.23	2.9	4.3	2.8	151
	620	200	5	3750	8100	380	480	24084CA/W33	4053184KH	442	598	4	0.31	2.2	3.2	2.1	199
	700	224	6	5000	9400	340	450	23184CA/W33	3053784KH	448	672	5	0.31	2.2	3.3	2.2	341
	700	280	6	6000	12000	340	450	24184CA/W33	4053784KH	448	672	5	0.38	1.8	2.6	1.7	421
	760	195	7.5	5000	8300	320	430	22284CA/W33	53584KH	456	724	6	0.27	2.5	3.7	2.4	405
	760	272	7.5	6450	11700	320	430	23284CA/W33	3053284KH	456	724	6	0.35	1.9	2.9	1.9	534
	760	335	7.5	8150	16000	300	400	24284CA/W33		456	724	6	0.45	1.5	2.2	1.5	702
	850	250	9.5	6800	11000	300	400	22384CA/W33	53684KH	460	810	8	0.33	2.1	3.1	2	704
440	600	118	4	2190	4800	450	560	23988CAF3/W33	3053988K	458	582	3	0.18	3.9	5.7	3.8	96.3
	650	157	6	3150	6350	430	530	23088CAF3/W33	3053188K	468	622	5	0.23	2.9	4.3	2.8	173
	650	212	6	4150	9100	360	450	24088CAF3/W33	4053188K	468	622	5	0.31	2.1	3.2	2.1	237
	720	226	6	5300	10300	320	430	23188CAF3/W33	3053788K	468	692	5	0.3	2.2	3.3	2.2	360
	720	280	6	6000	12100	320	430	24188CAF3/W33	4053788K	468	692	5	0.37	1.8	2.7	1.8	433
	790	200	7.5	5300	8800	320	420	22288CAF3/W33	53588K	476	754	6	0.27	2.5	3.7	2.4	446
	790	280	7.5	6900	12800	300	400	23288CAF3/W33	3053288K	476	754	6	0.35	1.9	2.9	1.9	594
	790	285	7.5	6900	12800	300	400	23288X2CAF3/W33	3053288X2K	476	754	6	0.36	1.88	2.8	1.84	595
	790	345	7.5	8500	17000	300	400	24288CAF3/W33		476	754	6	0.45	1.5	2.2	1.5	778
	900	265	9.5	7650	12500	300	400	22388CAF3/W33	53688K	480	860	8	0.33	2.1	3.1	2	844
460	580	118	3	1700	4655	450	560	24892CAF3/W33		474	566	2.5	0.17	4	5.9	3.7	75.5
	620	118	4	2220	4950	430	530	23992CAF3/W33	3053992K	478	602	3	0.17	4	5.9	3.9	100
	620	140	4	2440	6000	420	520	24992X2CAF3/W33		478	602	3	0.21	3.22	4.8	3.15	122



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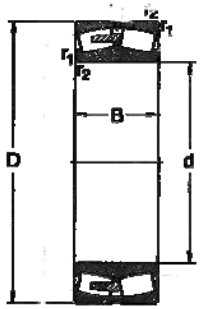
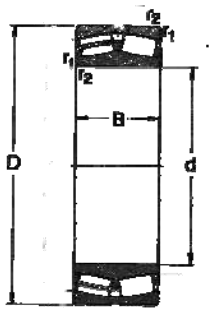


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
460	680	163	6	3450	7100	400	500	23092CAF3/W33	3053192K	488	652	5	0.22	3.1	4.6	3	201
	680	218	6	4500	9950	340	430	24092CAF3/W33	4053192K	488	652	5	0.29	2.3	3.4	2.3	266
	760	240	7.5	5700	10900	300	400	23192CAF3/W33	3053792K	496	724	6	0.31	2.2	3.3	2.2	423
	760	300	7.5	6300	12400	300	400	24192CAF3/W33	4053792K	496	724	6	0.39	1.7	2.6	1.7	512
	830	212	7.5	5850	10200	300	400	22292CAF3/W33	53592K	496	794	6	0.27	2.5	3.7	2.4	530
	830	296	7.5	7350	13700	280	380	23292CAF3/W33	3053292K	496	794	6	0.36	1.9	2.8	1.8	691
	830	365	7.5	9500	19000	280	380	24292CAF3/W33		496	794	6	0.45	1.5	2.2	1.5	913
	950	280	9.5	8500	14000	260	360	22392CAF3/W33	53692K	500	910	8	0.33	2.1	3.1	2	1000
480	600	90	3	1368	3562	430	530	23896CAF3/W33	3053896K	494	586	2.5	0.13	5.2	7.7	5	61
	650	128	5	2580	5850	400	500	23996CAF3/W33	3053996K	502	628	4	0.18	3.8	5.7	3.7	121
	700	165	6	3800	7950	400	480	23096CAF3 W33	3053196K	508	672	5	0 22	3 1	4 6	3	211
	700	218	6	4600	10200	320	430	24096CAF3/W33	4053196K	508	672	5	0.3	2.3	3.4	2.2	270
	790	248	7.5	6050	11700	300	380	23196CAF3/W33	3053796K	516	754	6	0.31	2.2	3.3	2.2	475
	790	308	7.5	7150	14600	300	380	24196CAF3/W33	4053796K	516	754	6	0.39	1.7	2.6	1.7	567
	870	224	7.5	6400	11200	280	380	22296CAF3/W33	53596H	516	834	6	0.27	2.5	3.7	2.4	613
	870	310	7.5	7850	14400	260	360	23296CAF3/W33	3053296H	516	834	6	0.36	1.9	2.8	1.8	795
	870	388	7.5	10600	21200	260	360	24296CAF3/W33		516	834	6	0.46	1.5	2.2	1.4	1080
	980	290	9.5	9000	15000	260	360	22396CAF3/W33	53696K	520	940	8	0.33	2.1	3.1	2	1100
500	620	90	3	1406	3800	430	530	238/500CAF3/W33	30538/500K	514	606	2.5	0.12	5.6	8.4	5.6	62
	670	128	5	2460	5550	400	500	239/500CAF3/W33	30539/500K	522	648	4	0.17	4	6	3.9	124
	670	170	5	3250	8000	380	480	249/500CAF3/W33	40539/500K	522	648	4	0.24	2.9	4.3	2.8	175
	720	167	6	3750	8100	380	480	230/500CAF3/W33	30531/500K	528	692	5	0.21	3.2	4.8	3.1	220
	720	218	6	4450	9900	300	400	240/500CAF3/W33	40531/500K	528	692	5	0.3	2.3	3.4	2.2	276
	830	264	7.5	6850	13400	280	360	231/500CAF3/W33	30537/500K	536	794	6	0.31	2.2	3.2	2.1	567
	830	325	7.5	8000	16000	280	360	241/500CAF3/W33	40537/500K	536	794	6	0.39	1.7	2.6	1.7	666
	920	243	7.5	7350	12900	280	360	222/500CAF3/W33	535/500K	536	884	6	0.28	2.4	3.6	2.3	758
	920	336	7.5	9000	16600	260	320	232/500CAF3/W33	30532/500K	536	884	6	0.38	1.8	2.7	1.8	969
	920	412	7.5	11600	23200	260	320	242/500CAF3/W33		536	884	6	0.47	1.4	2.2	1.4	1290



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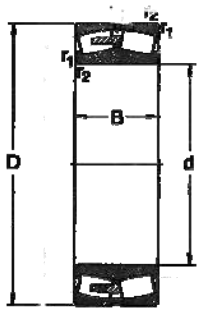
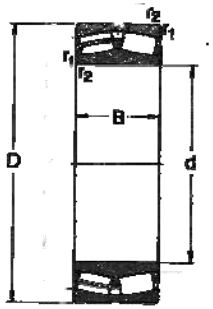


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
500	1030	300	12	9800	16300	240	300	223/500CAF3/W33 536/500K		546	984	10	0.32	2.1	3.1	2	1260
530	650	118	3	1748	5035	380	480	248/530CAF3/W33		544	636	2.5	0.15	4.5	6.7	4.5	86
	710	136	5	2930	6800	360	450	239/530CAF3/W33 30539/530K		552	688	4	0.17	4	6	3.9	149
	710	180	5	3650	9000	340	430	249/530CAF3/W33 40539/530K		552	688	4	0.24	2.9	4.3	2.8	208
	780	185	6	4400	9200	340	430	230/530CAF3/W33 30531/530K		558	752	5	0.22	3.1	4.6	3	298
	780	250	6	5400	11800	280	360	240/530CAF3/W33 40531/530K		558	752	5	0.31	2.2	3.3	2.2	390
	870	272	7.5	7150	14100	260	340	231/530CAF3/W33 30537/530K		566	834	6	0.3	2.2	3.3	2.2	628
	870	335	7.5	8500	17500	260	340	241/530CAF3/W33 40537/530K		566	834	6	0.38	1.8	2.6	1.7	773
	980	258	9.5	8300	14600	260	320	222/530CAF3/W33 535/530K		574	936	8	0.28	2.4	3.6	2.4	914
	980	355	9.5	10100	18800	240	300	232/530CAF3/W33 30532/530K		574	936	8	0.38	1.8	2.7	1.7	1170
	980	450	9.5	13400	27500	220	280	242/530CAF3/W33		574	936	8	0.48	1.4	2.1	1.4	1610
	1090	325	12	11000	18300	220	280	223/530CAF3/W33 536/530K		584	1036	10	0.33	2	3.1	2	1530
540	820	195	6	5000	10700	320	400	26/540CAF3/W33X		591	776	5	0.22	3	4.5	2.9	377
545	755	230	4	4550	10800	320	400	26/545CAF3/W33X		563	737	3	0.28	2.45	3.65	2.4	301
560	680	90	3	1650	4450	360	460	238/560CAF3/W33 30538/560K		564	666	2.5	0.11	5.97	8.88	5.83	66.1
	750	140	5	3100	7250	340	430	239/560CA/W33 30539/560K		582	728	4	0.16	4.1	6.1	4	172
	750	190	5	4050	10200	320	400	249/560CAF3/W33 40539/560K		582	728	4	0.24	2.9	4.3	2.8	246
	820	195	6	5000	10700	320	400	230/560CAF3/W33 30531/560K		588	792	5	0.22	3	4.5	2.9	344
	820	258	6	5950	13300	260	340	240/560CAF3/W33 40531/560K		588	792	5	0.3	2.2	3.3	2.2	440
	920	280	7.5	7850	15500	240	320	231/560CAF3/W33 30537/560K		596	884	6	0.3	2.3	3.4	2.2	727
	920	355	7.5	9400	19600	240	320	241/560CAF3/W33 40537/560K		596	884	6	0.39	1.8	2.6	1.7	886
	1030	272	9.5	9000	16000	240	300	222/560CAF3/W33 535/560K		604	986	8	0.28	2.4	3.6	2.3	1060
	1030	365	9.5	10900	20500	220	280	232/560CAF3/W33 30532/560K		604	986	8	0.36	1.9	2.8	1.8	1320
	1030	475	9.5	14600	30000	220	260	242/560CAF3/W33		604	986	8	0.48	1.4	2.1	1.4	1860
	1150	335	12	12000	20400	200	260	223/560CAF3/W33 536/560K		614	1096	10	0.32	2.1	3.1	2.1	1750
580	780	130	5	2740	6500	340	430	26/580CAF3/W33X		627	742	4	0.15	4.6	6.9	4.5	178

Spherical Roller Bearing



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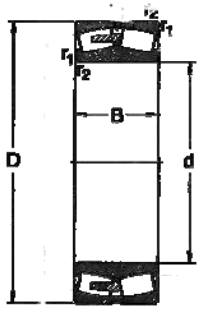
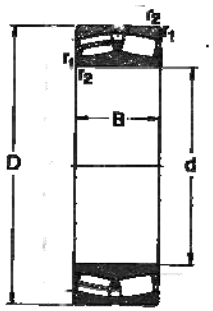


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
600	800	150	5	3450	8100	320	400	239/600CAF3/W33	30539/600K	622	778	4	0.17	3.9	5.9	3.9	205
	800	200	5	4500	11400	320	380	249/600CAF3/W33	40539/600K	622	778	4	0.23	2.9	4.4	2.9	292
	820	175	6	3800	8850	300	380	26/600CAF3/W33X		654	776	5	0.18	3.7	5.5	3.6	271
	870	200	6	5450	12200	300	360	230/600CAF3/W33	30531/600K	628	842	5	0.21	3.3	4.8	3.2	389
	870	272	6	6600	15100	240	320	240/600CAF3/W33	40531/600K	628	842	5	0.3	2.2	3.3	2.2	529
	980	300	7.5	8750	17500	220	280	231/600CAF3/W33	30537/600K	636	944	6	0.3	2.3	3.4	2.2	898
	980	375	7.5	10400	21900	220	280	241/600CAF3/W33	40537/600K	636	944	6	0.39	1.8	2.6	1.7	1050
	1090	280	9.5	9650	17300	200	280	222/600CAF3/W33	535/600K	644	1046	8	0.27	2.5	3.7	2.4	1180
	1090	388	9.5	12700	24900	200	260	232/600CAF3/W33	30532/600K	644	1046	8	0.36	1.9	2.8	1.8	1590
	1090	488	9.5	16000	33500	180	260	242/600CAF3/W33		644	1046	8	0.47	1.5	2.2	1.4	2130
630	780	112	4	2080	5795	320	400	238/630CAF3/W33	30538/630K	648	762	3	0.12	5.6	8.4	5.6	120
	780	150	4	3050	8800	320	380	248/630CAF3/W33		648	762	3	0.17	4.07	6.06	3.98	158
	850	145	6	3450	7950	300	380	239/630X2CAF3/W		685	805	5	0.15	4.4	6.6	4.3	227
650	850	165	6	4000	9350	300	360	239/630CAF3/W33	239/630K	658	822	5	0.18	3.8	5.6	3.7	259
	850	212	6	5200	12900	280	360	249/630CAF3/W33	40539/630K	658	822	5	0.24	2.8	4.2	2.8	371
	920	212	7.5	5900	12700	280	340	230/630CAF3/W33	30531/630K	666	884	6	0.22	3.1	4.7	3.1	468
	920	290	7.5	7550	17700	220	300	240/630CAF3/W33	40531/630K	666	884	6	0.3	2.2	3.3	2.2	637
	1030	315	7.5	9600	19400	200	260	231/630CAF3/W33	30537/630K	666	994	6	0.3	2.3	3.4	2.2	1040
	1030	400	7.5	11300	23900	200	260	241/630CAF3/W33	40537/630K	666	994	6	0.38	1.8	2.7	1.7	1250
	1150	300	12	11000	20000	180	240	222/630CAF3/W33	535/630K	684	1096	10	0.28	2.4	3.6	2.4	1440
	1150	412	12	13400	25600	180	240	232/630CA/W33	30532/630K	684	1096	10	0.36	1.9	2.8	1.8	1850
	1150	515	12	17600	37500	180	240	242/630CAF3/W33		684	1096	10	0.47	1.5	2.2	1.4	2510
670	820	112	4	2137	6080	280	360	238/670CAF3/W33	30538/670K	688	802	3	0.11	6.1	9.1	6.3	130
	900	170	6	4350	10300	260	340	239/670CA/W33	30539/670K	698	872	5	0.17	3.9	5.8	3.8	300
	900	230	6	5700	14600	260	340	249/670CAF3/W33	40539/670K	698	872	5	0.24	2.8	4.2	2.8	433
	920	170	6	4350	10300	260	340	239/670X1CAF3/W		726	874	5	0.17	3.9	5.8	3.8	343
	980	230	7.5	6850	15000	240	320	230/670CAF3/W33	30531/670K	706	944	6	0.22	3.1	4.7	3.1	571
	980	308	7.5	8450	19500	200	260	240/670CAF3/W33	40531/670K	706	944	6	0.3	2.2	3.3	2.2	773



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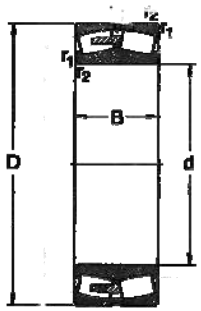
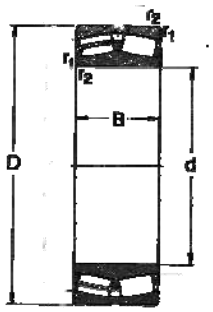


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
670	1090	336	7.5	10600	21600	190	240	231/670CAF3/W33 30537/670K		706	1054	6	0.3	2.2	3.3	2.2	1230
	1090	412	7.5	12400	26500	190	240	241/670CAF3/W33 40537/670K		706	1054	6	0.37	1.8	2.7	1.8	1440
	1220	315	12	12200	22400	190	240	222/670CAF3/W33 535/670K		724	1166	10	0.27	2.5	3.7	2.4	1700
	1220	438	12	14900	28700	170	220	232/670CAF3/W33 30532/670K		724	1166	10	0.37	1.8	2.7	1.8	2210
	1220	545	12	19600	40500	170	200	242/670CAF3/W33		724	1166	10	0.47	1.4	2.2	1.4	2960
675	920	153	6	3950	8950	180	260	26/675CAF3/W33X		732	874	5	0.15	4.6	6.9	4.5	296
680	980	220	7.5	6050	14000	160	200	26/680CAF3/W33X		716	944	6	0.21	3.17	4.72	3.1	550
710	950	180	6	4800	11700	240	300	239/710CAF3/W33 30539/710K		738	922	5	0.17	3.9	5.8	3.8	352
	950	243	6	5576	14820	200	280	249/710CAF3/W33 40539/710K		738	922	5	0.22	3	4.6	2.8	495
	1030	236	7.5	7100	15800	240	280	230/710CAF3/W33 30531/710K		746	994	6	0.22	3.1	4.6	3	647
	1030	315	7.5	8850	20700	190	240	240/710CAF3/W33 40531/710K		746	994	6	0.29	2.3	3.4	2.2	861
	1150	345	9.5	11800	24500	180	240	231/710CAF3/W33 30537/710K		785	1083	8	0.29	2.3	3.4	2.3	1420
	1150	438	9.5	13900	30500	170	220	241/710CAF3/W33 40537/710K		754	1106	8	0.38	1.8	2.6	1.7	1730
710	1280	325	12	13700	24500	170	220	222/710CAF3/W33 535/710K		764	1226	10	0.27	2.5	3.7	2.4	1900
	1280	450	12	15700	30500	160	200	232/710CAF3/W33 30532/710K		764	1226	10	0.36	1.9	2.8	1.8	2470
	1280	560	12	20800	43000	160	200	242/710CAF3/W33		764	1226	10	0.46	1.5	2.2	1.5	3300
730	980	170	6	4600	10700	200	260	26/730CAF3/W33X		789	932	5	0.15	4.4	6.6	4.3	347
750	920	128	5	2783	8075	240	320	238/750CAF3/W33 30538/750K		772	898	4	0.11	6.1	9.1	6.3	135
	1000	185	6	5250	12800	220	280	239/750CAF3/W33 30539/750K		778	972	5	0.17	4.1	6	4	398
	1000	200	6	5250	12800	220	280	239/750X2CAF3/W		810	952	5	0.17	4.1	6	4	433
	1000	250	6	7750	17200	190	260	249/750CAF3/W33 40539/750K		778	972	5	0.22	3	4.6	3.2	560
	1090	250	7.5	7750	17200	220	260	230/750CAF3/W33 30531/750K		786	1054	6	0.22	3.1	4.6	3	768
	1090	335	7.5	10100	24000	180	220	240/750CAF3/W33 40531/750K		786	1054	6	0.29	2.3	3.4	2.2	1030
	1220	365	9.5	13100	27300	160	200	231/750CAF3/W33 30537/750K		826	1152	8	0.29	2.3	3.4	2.3	1700
	1220	475	9.5	17600	40500	160	200	241/750CAF3/W33 40537/750K		826	1152	8	0.38	1.8	2.6	1.7	2290
	1360	345	15	14600	27000	140	190	222/750CAF3/W33 535/750K		814	1296	12	0.27	2.5	3.7	2.4	2340
	1360	475	15	17700	35500	140	190	232/750CAF3/W33 30532/750K		814	1296	12	0.36	1.9	2.8	1.8	2980



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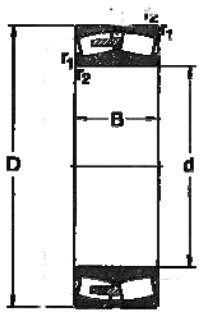
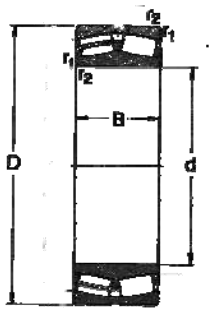


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	d_{amin}	D_{amax}	r_{amax}	e	Y_1	Y_2	Y_0	Refer.
760	1140	285	7.5	8600	19200	200	260	26/760CAF3/W33X		828	1081	6	0.23	3	4.4	2.9	1010
	1140	325	7.5	10000	23800	200	240	26/760CAF3/W33X		796	1104	6	0.24	2.79	4.15	2.73	1104
780	1180	285	7.5	9850	21100	220	260	26/780CAF3/W33X		849	1121	6	0.22	3.1	4.6	3	1100
	1220	375	9.5	12800	28700	210	240	26/780CAF3/W33X		824	1176	8	0.3	2.25	3.34	2.2	1615
790	1100	310	7.5	8650	21000	220	260	26/790CAF3/W33X		826	1064	6	0.24	2.76	4.11	2.7	857
800	980	180	5	3933	12255	180	240	248/800CAF3/W33		822	958	4	0.15	4.5	6.7	4.5	300
	1060	195	6	5600	13700	220	260	239/800CAF3/W33	30539/800K	828	1032	5	0.17	4	6	3.9	462
	1060	258	6	7500	20000	220	240	249/800CAF3/W33	40539/800K	828	1032	5	0.23	3	4.4	2.9	646
	1150	258	7.5	8350	19100	200	240	230/800CAF3/W33	30531/800K	836	1114	6	0.21	3.2	4.7	3.1	870
	1150	280	7.5	8350	19100	180	220	230/800X2CAF3/W		836	1114	6	0.21	3.2	4.7	3.1	941
	1150	345	7.5	10900	26300	160	200	240/800CAF3/W33	40531/800K	836	1114	6	0.27	2.5	3.7	2.5	1130
	1280	375	9.5	13800	29200	150	190	231/800CAF3/W33	30537/800K	844	1236	8	0.28	2.4	3.6	2.3	1870
	1280	475	9.5	17480	38475	130	170	241/800CAF3/W33	40537/800K	844	1236	8	0.35	1.9	2.9	1.8	2300
	1420	488	15	20300	41000	130	170	232/800CAF3/W33	30532/800K	864	1356	12	0.35	1.9	2.8	1.9	3250
850	1030	136	5	3173	9500	190	260	238/850CAF3/W33	30538/850K	872	1008	4	0.11	6.1	9.1	6.3	240
	1120	200	6	6100	15200	190	240	239/850CAF3/W33	30539/850K	878	1092	5	0.16	4.2	6.2	4.1	523
	1120	272	6	7760	21660	170	220	249/850CAF3/W33	40539/850K	878	1092	5	0.22	3	4.6	2.8	740
	1220	272	7.5	9300	21400	180	220	230/850CAF3/W33	30531/850K	886	1184	6	0.21	3.2	4.8	3.1	1020
	1220	290	7.5	9150	22000	180	220	230/850X2CAF3/W		886	1184	6	0.23	2.98	4.44	2.92	1103
	1220	305	7.5	9300	23500	170	220	230/850X2CAF3/W		886	1184	6	0.22	3.1	4.6	3	1170
	1220	330	7.5	11000	26900	160	210	240/850X2CAF3/W		886	1184	6	0.23	2.9	4.31	2.83	1203
	1220	365	7.5	11600	28300	150	190	240/850CAF3/W33	40531/850K	886	1184	6	0.28	2.4	3.6	2.4	1350
	1360	400	12	15800	34000	130	180	231/850CAF3/W33	30537/850K	941	1279	10	0.28	2.4	3.5	2.3	2260
	1360	500	12	21200	48000	130	170	241/850CAF3/W33	40537/850K	941	1279	10	0.36	1.9	2.8	1.8	2970
	1500	515	15	22300	45500	120	160	232/850CAF3/W33	30532/850K	914	1436	12	0.35	1.9	2.8	1.9	3890
900	1090	190	5	4427	14535	170	220	248/900CAF3/W33		922	1068	4	0.14	4.8	7.2	4.5	370
	1180	206	6	6600	16700	180	220	239/900CAF3/W33	30539/900K	928	1152	5	0.16	4.3	6.4	4.2	591



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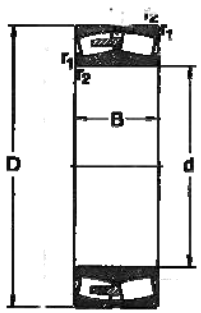
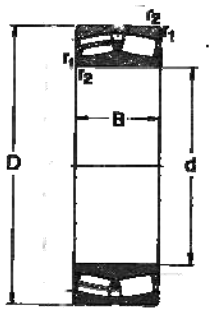


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
900	1180	280	6	9150	24500	170	220	249/900CAF3/W33	40539/900K	928	1152	5	0.22	3.1	4.6	3	852
	1280	280	7.5	9850	22800	160	200	230/900CAF3/W33	30531/900K	936	1244	6	0.2	3.3	4.9	3.2	1160
	1280	305	7.5	10300	24800	160	200	230/900X2CAF3/W		936	1244	6	0.2	3.3	4.9	3.2	1250
	1280	375	7.5	12800	31500	140	180	240/900CAF3/W33	40531/900K	936	1244	6	0.28	2.4	3.6	2.4	1520
	1420	412	12	17000	37000	120	160	231/900CAF3/W33	30537/900K	993	1338	10	0.28	2.4	3.6	2.3	2490
	1580	515	15	23400	47500	110	140	232/900CAF3/W33	30532/900K	964	1516	12	0.33	2	3	2	4300
950	1250	224	7.5	7600	19900	160	200	239/950CAF3/W33	30539/950K	986	1214	6	0.16	4.2	6.3	4.1	732
	1250	300	7.5	8740	24700	140	180	249/950CAF3/W33	40539/950K	986	1214	6	0.21	3.2	4.8	3.2	1000
	1280	260	7.5	8650	22200	140	180	26/950CAF3/W33X		986	1244	6	0.17	3.98	5.92	3.89	921
950	1330	300	7.5	8400	21200	130	170	230/950X1CAF3/W		986	1294	6	0.18	3.66	5.46	3.58	1214
	1360	300	7.5	11300	26500	150	190	230/950CAF3/W33	30531/950K	986	1324	6	0.21	3.2	4.8	3.2	1400
	1360	320	7.5	11500	28000	130	180	230/950X2CAF3/W		986	1324	6	0.2	3.33	4.96	3.25	1447
	1360	412	7.5	14500	36500	120	160	240/950CAF3/W33	40531/950K	986	1324	6	0.28	2.4	3.6	2.3	1880
	1400	300	7.5	11400	25200	120	160	230/950X1CAF3/W		1026	1336	6	0.2	3.4	5.1	3.3	1570
	1400	380	7.5	14100	33500	110	140	26/950CAF3/W33X		986	1364	6	0.24	2.77	4.13	2.71	1937
	1660	530	15	24700	50500	100	130	232/950CAF3/W33	30532/950K	1014	1596	12	0.32	2.1	3.1	2.1	4800
1000	1220	165	6	4427	13585	160	200	238/1000CAF3/W3	30538/1000K	1028	1192	5	0.12	5.6	8.4	5.6	410
	1220	218	6	6550	20800	160	200	248/1000CAF3/W3		1028	1192	5	0.16	4.3	6.4	4.2	567
	1320	236	7.5	8200	21700	150	190	239/1000CAF3/W3	30539/1000K	1036	1284	6	0.16	4.3	6.4	4.2	881
	1320	258	7.5	8500	22600	150	190	239/1000X2CAF3/		1036	1284	6	0.16	4.23	6.3	4.14	911
	1320	315	7.5	9880	27550	140	170	249/1000CAF3/W3	40539/1000K	1036	1284	6	0.21	3.2	4.8	3.2	1200
	1420	308	7.5	11900	28100	140	170	230/1000CAF3/W3	30531/1000K	1036	1384	6	0.2	3.3	4.9	3.2	1560
	1420	320	7.5	11500	28400	120	160	230/1000CAF3/W3	30531/1000K	1036	1384	6	0.2	3.5	5.1	3.4	1630
	1420	412	7.5	15300	38500	110	150	240/1000CAF3/W3	40531/1000K	1036	1384	6	0.27	2.5	3.7	2.4	2010
	1580	462	12	20330	45600	100	140	231/1000CAF3/W3	30537/1000K	1054	1526	10	0.28	2.4	3.6	2.5	3500
	1580	580	12	21375	47500	100	130	241/1000CAF3/W3	40537/1000K	1054	1526	10	0.35	1.9	2.9	1.8	4300
1060	1280	165	6	4530	14250	140	180	238/1060CAF3/W3	30538/1060K	1088	1252	5	0.11	6.1	9.1	6.3	435

Spherical Roller Bearing



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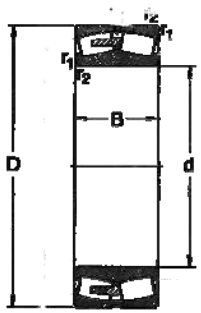
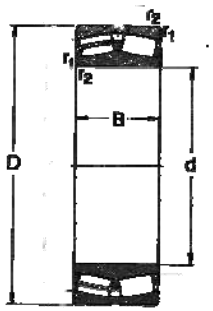


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	$r_{1.2min}$	Cr	Cor	Grease	Oil	New	Old	d_{amin}	D_{amax}	r_{amax}	e	Y_1	Y_2	Y_0	Refer.
1060	1280	218	6	5795	19000	140	180	248/1060CAF3/W3		1088	1252	5	0.14	4.8	7.2	4.5	570
	1400	250	7.5	9300	24400	130	170	239/1060CAF3/W3	30539/1060K	1096	1364	6	0.16	4.1	6.1	4	1030
	1400	335	7.5	10925	30875	130	170	249/1060CAF3/W3	40539/1060K	1096	1364	6	0.21	3.2	4.8	3.2	1400
	1500	325	9.5	13000	31500	120	160	230/1060CAF3/W3	30531/1060K	1104	1456	8	0.21	3.3	4.9	3.2	1790
	1500	340	9.5	13000	31500	110	140	230/1060X2CAF3/		1104	1456	8	0.21	3.3	4.9	3.2	1850
	1500	438	9.5	16800	43000	100	130	240/1060CAF3/W3	40531/1060K	1104	1456	8	0.28	2.4	3.6	2.4	2410
1120	1360	180	6	6200	18700	140	180	238/1120CAF3/W3	30538/1120K	1148	1332	5	0.11	5.97	8.89	5.84	536
	1360	243	6	6887	22800	130	170	248/1120CAF3/W3		1148	1332	5	0.15	4.5	6.7	4.5	735
	1460	250	7.5	9500	26000	120	160	239/1120CAF3/W3	30539/1120K	1156	1424	6	0.15	4.4	6.6	4.3	1100
	1460	335	7.5	11115	32775	110	140	249/1120CAF3/W3	40539/1120K	1156	1424	6	0.2	3.4	5	3.2	1500
	1580	345	9.5	15400	38000	110	140	230/1120CAF3/W3	30531/1120K	1211	1505	8	0.2	3.4	5	3.3	2120
	1580	360	9.5	14700	36000	110	140	230/1120X2CAF3/		1211	1505	8	0.2	3.3	4.9	3.2	2230
	1580	380	9.5	15500	38500	100	130	230/1120X2CAF3/		1211	1505	8	0.21	3.2	4.8	3.2	2330
	1580	462	9.5	18700	49500	95	120	240/1120CAF3/W3	40531/1120K	1211	1505	8	0.27	2.5	3.7	2.5	2790
1180	1420	180	6	5576	17670	120	160	238/1180CAF3/W3	30538/1180K	1208	1392	5	0.11	6.1	9.1	6.3	575
	1420	243	6	7324	25650	120	160	248/1180CAF3/W3		1208	1392	5	0.14	4.8	7.2	4.5	770
	1540	272	7.5	10545	29450	110	140	239/1180CAF3/W3	30539/1180K	1216	1504	6	0.16	4.2	6.3	4	1400
1180	1540	355	7.5	12635	37050	100	130	249/1180CAF3/W3	40539/1180K	1216	1504	6	0.2	3.4	5	3.2	1800
	1660	475	9.5	20200	52500	85	110	240/1180CAF3/W3	40531/1180K	1224	1616	8	0.27	2.5	3.7	2.4	3180
1200	1700	410	9.5	17000	44000	80	100	26/1200CAF3/W33		1294	1622	8	0.21	3.2	4.8	3.1	2980
1220	1680	380	9.5	15800	40500	80	100	26/1220CAF3/W33		1315	1603	8	0.19	3.5	5.2	3.4	2500
1250	1500	250	6	8800	30000	90	120	248/1250CAF3/W3	40538/1250K	1334	1416	5	0.14	4.7	7	4.6	918
	1630	280	7.5	11600	31500	85	110	239/1250CAF3/W3	30539/1250K	1338	1562	6	0.15	4.4	6.6	4.3	1540
	1630	375	7.5	15600	45000	85	110	249/1250CAF3/W3	40539/1250K	1338	1562	6	0.22	3.1	4.7	3.1	2150
	1750	375	9.5	17005	42750	80	100	230/1250CAF3/W3	30531/1250K	1294	1706	8	0.19	3.6	5.3	3.6	2840
	1750	390	9.5	17400	44500	80	100	230/1250X2CAF3/		1346	1671	8	0.2	3.3	5	3.3	2860
	1750	400	9.5	18000	46000	75	100	230/1250X2CAF3/		1346	1671	8	0.2	3.4	5.1	3.3	2970



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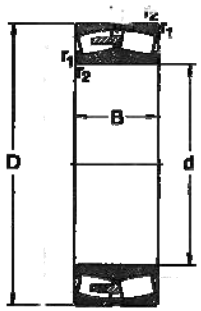
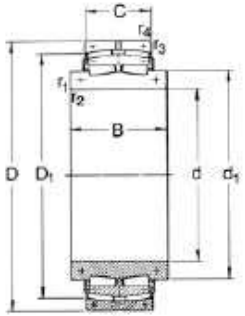


CA型

基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			计算系数 Calculation Factors				质量(kg) Mass
						脂润滑	油润滑	新代号	旧代号								参考
d	D	B	r1.2min	Cr	Cor	Grease	Oil	New	Old	damin	Damax	ramax	e	Y1	Y2	Y0	Refer.
1250	1750	500	9.5	21000	59500	75	100	240/1250CAF3/W3	40531/1250K	1294	1706	8	0.25	2.7	4	2.6	3700
1320	1600	280	6	9291	31825			248/1320CAF3/W3		1348	1572	5	0.15	4.5	6.7	4.5	1160
	1720	300	7.5	13600	38000			239/1320CAF3/W3	30539/1320K	1356	1684	6	0.16	4.34	6.46	4.24	1900
	1720	350	7.5	13500	38500			239/1320X2CAF3/		1411	1650	6	0.17	4	5.9	3.9	2100
	1720	400	7.5	15295	46550			249/1320CAF3/W3	40539/1320K	1356	1684	6	0.21	3.2	4.8	3.2	2500
	1850	480	12	21200	58500			240/1320X2CAF3/		1429	1760	10	0.22	3	4.5	2.9	4060
	1850	530	12	22600	63500			240/1320CAF3/W3	40531/1320K	1374	1796	10	0.26	2.6	3.9	2.6	4400
1350	1800	500	7.5	19200	56500			26/1350CAF3/W33		1442	1728	6	0.25	2.7	4	2.6	3660
1370	1780	265	9.5	11900	31500			26/1370CAF3/W33		1471	1701	8	0.13	5.1	7.7	5	1650
1400	1700	300	7.5	12000	40500			248/1400CAF3/W3		1498	1602	6	0.16	4.3	6.5	4.3	1500
	1820	315	9.5	14300	40500			239/1400CAF3/W3	30539/1400K	1502	1740	8	0.16	4.3	6.5	4.2	2140
	1820	425	9.5	20000	58500			249/1400CAF3/W3	40539/1400K	1502	1740	8	0.22	3.1	4.6	3	3020
	1900	440	12	18000	54500			26/1400CAF3/W33		1513	1809	10	0.2	3.3	5	3.3	3710
	1900	530	12	22700	64500			26/1400CAF3/W33		1513	1809	10	0.25	2.7	4	2.6	4510
	1950	545	12	24500	65000			240/1400CAF3/W3	40531/1400K	1454	1896	10	0.25	2.7	4	2.6	4900
1470	1900	375	12	15500	48000			26/1470CAF3/W33		1585	1809	10	0.16	4.3	6.4	4.2	2770
1500	1820	315	7.5	11115	38475			248/1500CAF3/W3	40538/1500K	1536	1684	6	0.21	3.2	4.8	3.2	1700
	1900	375	12	15500	48000			26/1500CAF3/W33		1617	1809	10	0.16	4.3	6.4	4.2	2540
	1950	335	9.5	16000	47500			239/1500CAF3/W3	30539/1500K	1544	1784	6	0.16	4.2	6.3	4.1	2800
	1950	450	9.5	19665	59850			249/1500CAF3/W3	40539/1500K	1544	1784	6	0.15	4.5	6.7	4.5	3550
1590	2000	380	9.5	16100	50000			26/1590CAF3/W33		1700	1916	8	0.15	4.5	6.7	4.4	2770

Split Spherical Roller Bearing

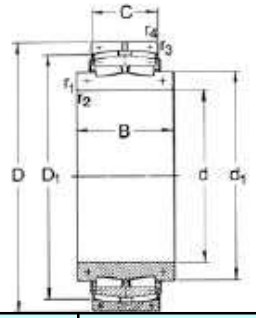
WSW



基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	SKF 轴承代号 SKF Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass 参考 Refer.
d	D	B	C	Cr	Cor			$r_{1、2min}$	$r_{3、4min}$	d_1	D_1	e	Y_1	Y_2	Y_0	
120	200	142	80	552	900	24124CAD/W33	BS2B321598	2	2	166	169	0.37	1.8	2.7	1.8	17
140	230	102	53	368	600	24128X3CAD/W33	BS2B321606	2	2	180	190	0.22	3	4.6	2.8	14
180	300	125	74	713	1200	23136X2CAD/W33	BS2B321610	2.1	2.1	220	248	0.24	2.8	4.2	2.8	30
280	500	260	176	2710	4650	23256CAD/W33	BS2B247534	5	5	419	439	0.35	1.9	2.9	1.9	175
300	500	240	160	2710	4900	23160CAD/W33	BS2B247597	5	5	418	434	0.3	2.3	3.4	2.2	150
360	540	220	134	2250	4500	23072CAD/W33	BS2B247307	5	5	476	482	0.23	2.9	4.4	2.8	155
400	600	240	148	2880	5850	23080CAD/W33	BS2B243256	5	5	522	541	0.23	2.9	4.4	2.8	205
420	620	238	150	2880	5850	23084CAD/W33	BS2B243485	6	6	542	562	0.22	3	4.6	2.8	215
460	700	245	165	3280	6550	23092CAD/W33X3	BS2B243120	6	6	604	635	0.21	3.2	4.8	3.2	340
560	870	330	200	5060	11000	241/560X3CAF1D/W33	BS2B247087	6	6	733	786	0.22	3	4.6	2.8	580
600	980	515	375	10400	21600	241/600CAF1D/W33	BS2B243266	7.5	7.5	811	833	0.35	1.9	2.9	1.8	1350
630	920	310	212	5640	12000	230/630CAF1D/W33	BS2B242989	7.5	7.5	798	837	0.21	3.2	4.8	3.2	630
670	980	350	230	6440	14000	240/670CAF1D/W33	BS2B242994	7.5	7.5	860	890	0.21	3.2	4.8	3.2	800
710	950	330	180	3750	9900	239/710CAF1D/W33X	BS2B243122	6	6	882	884	0.18	3.75	5.6	3.7	581
	1030	360	236	7020	15600	230/710CAF1D/W33	BS2B247181	7.5	7.5	901	939	0.21	3.2	4.8	3.2	880
750	1000	360	250	6330	17000	249/750CAF1D/W33	BS2B243125	6	6	900	916	0.22	3	4.6	2.8	710
	1090	475	335	9950	24000	240/750CAF1D/W33	BS2B243127	7.5	7.5	938	969	0.28	2.4	3.6	2.5	1300
800	1060	370	258	6900	18600	249/800CAF1D/W33	BS2B243262	6	6	955	968	0.21	3.2	4.8	3.2	810
850	1120	390	272	7360	20800	249/850CAF1D/W33	BS2B243124	6	6	1008	1028	0.22	3	4.6	2.8	830
	1180	331	206	6440	17000	239/850X3CAF1D/W33	BSR-8001	6	6	1070	1100	0.15	4.5	6.7	4.5	880

Split Spherical Roller Bearing

WSW



基本尺寸(mm) Boundary Dimensions				基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass 参考 Refer.
d	D	B	C	Cr	Cor			$r_{1、2min}$	$r_{3、4min}$	d_1	D_1	e	Y_1	Y_2	Y_0	
850	1220	540	365	9000	24000	240/850CAF1D/W33X	240/850CAF1D/W33X	7.5	7.5	1070	1096	0.27	2.5	3.7	2.4	243
	1280	430	280	10100	23200	230/850X3CAF1D/W33	BSR-8000	7.5	7.5	1120	1177	0.2	3.4	5	3.2	1550
	1280	540	375	12400	31000	240/850X3CAF1D/W33	BS2B243268	7.5	7.5	1123	1147	0.26	2.6	3.9	2.5	2350
900	1180	400	280	8170	22800	249/900CAF1D/W33	BS2B243126	6	6	1058	1086	0.21	3.2	4.8	3.2	1100
950	1250	420	300	8970	25500	249/950CAF1D/W33	BS2B243114	7.5	7.5	1130	1150	0.21	3.2	4.8	3.2	1300
1060.4	1400	490	335	11300	32000	249/1060CAF1D/W33	249/1060CAF1D/W33	7.5	7.5	1253	1285	0.21	3.2	4.8	3.2	1870
1060	1460	500	335	11500	33500	230/1060X3CAF1D/W33	2321489	7.5	7.5	1330	1350	0.2	3.4	5	3.2	2470
1120	1460	500	335	11500	33500	249/1120CAF1D/W33	BC2B246572	7.5	7.5	1330	1350	0.2	3.4	5	3.2	2070
	1540	525	355	14400	44000	230/1120X3CAF1D/W33	BC2B243487CAB	7.5	7.5	1401	1420	0.2	3.4	5	3.2	2850
1250	1750	560	375	19600	50000	230/1250CAF1D/W33	230/1250CAF1D/W33	9.5	9.5	1560	1607	0.19	3.6	5.3	3.6	3800
148	225	142	75	535	900		BS2B321578	2.1	2.1	166	169	0.30	1.8	2.7	1.8	14.5
470	720	270	167	3570	7500		BS2B242975D	6.0	6.0	646	656	0.21	3.2	4.8	3.2	375
560	800	230	150	3340	8150		BS2B247590	5.0	5.0	669	742	0.17	4.0	5.9	4.0	320
600	920	310	212	5640	12000		BC2B243123	7.5	7.5	798	837	0.21	3.2	4.8	3.2	690
1020	1280	352	218	5980	19600		BS2-8001	6.0	6.0	1192	1210	0.14	4.8	7.2	4.5	950
1060.335	1400	490	335	11300	32000		BS2B243486A	7.5	7.5	1253	1285	0.21	3.2	4.8	3.2	1800

Single-row Taper Roller Bearing

Product Characteristics

The inner and outer rings of tapered roller bearings have tapered raceway. The tapered rollers are mounted between raceways. If extending the tapered surfaces, the sliding surfaces of the cup, the inner ring and the rolling elements will converge towards the same single point on the bearing axes. Tapered roller bearings can bear combined radial and load axial. The axial load capacity of the bearing varies with contact angle. The greater the contact angle is, the bigger the axial load capacity is. Tapered roller bearings belong to separable bearings. The rollers, the inner ring and the cage consist of cones, which can be mounted separately from cup.

These bearings can limit the axial displacement of either shaft or housing in one direction. When only radial load, the auxiliary axial force can to be formed. It is suggested that two of the bearings be put in face-to-face or back-to-back arrangements in application and the cup and cones should be mounted relatively to their end surfaces.

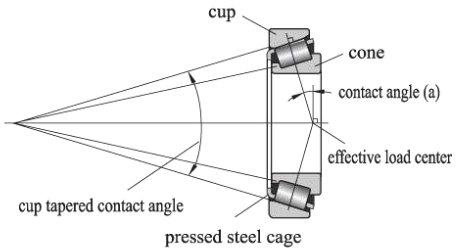
These bearings are mainly used on automobile wheels (both former and rear), variable speed devices, differential mechanisms, pinion shafts, machine tool spindles, construction machines, large size agricultural machines, gear deceleration devices for railway vehicles, and the small deceleration devices for mill roll necks.

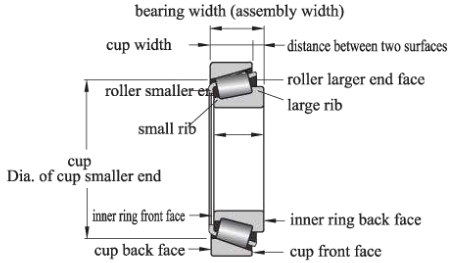
Types of bearings

WSW manufactures both metric and inch-sized single row, double row and four-row tapered roller bearings.

- Single - row tapered roller bearings

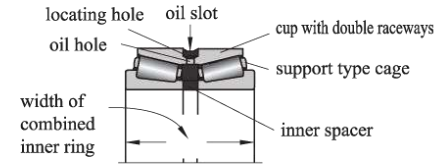
These bearings can only limit the axial displacement of either the shaft or the housing in one direction, and can carry axial load in one direction. When with only radial load, the axial force formed inside the bearing must be offset. It is suggested that two of the bearings to be put in face-to-face or back-to-back arrangements in application.

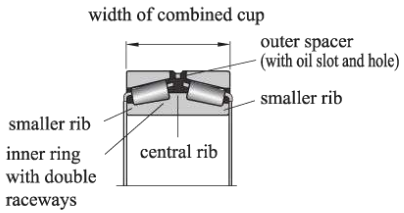




- Double-row tapered roller bearings

These bearings can carry axial load in two direction when they carry radial load. The axial displacement in two direction of the shaft and housing are limited within the bearings radial clearance range.





- Four-row tapered roller bearings

The functions and features of these bearings are basically the same as those of the double-row design. However, they can carry heavier load than the double-row tapered roller bearings, but with slightly slower rotation speed. These bearings are mainly applied to heavy machinery such as rolling mills.

- Multi-sealed double-row or four-row tapered roller bearings

WSW manufactures double-row and four-row tapered roller bearings with longer life, multiple seals. Their seal sperformance are improved by amending traditional design method of full seal bearings, adopting new type seal structure. Comparing to open type bearings, the life of multiple seals double-row or four-row tapered bearings can be increased by 20 to 40%, and the lubricating consumption is decreased by 80%.

Multi-sealed double-row or four-row tapered roller bearings are denoted with the suffix XRS.

Dimension scope

The basic dimensions of **WSW** tapered roller bearing are listed in the bearing dimensions data sheet.

Single row tapered roller bearings

Bore diameter dimension range:
20 mm to 1270mm
Outside diameter dimension range:
40mm to 1465mm
Width dimension range: 15mm to240mm

Double row tapered roller bearings

Bore diameter dimension range:
38 mm to 1560mm
Outside diameter dimension range:
70mm to 1800mm
Width dimension range: 50mm to 460mm

Four row tapered roller bearings

Bore diameter dimension range:
130 mm to 1600mm
Outside diameter dimension range:
200mm to 2000mm
Width dimension range: 150mm to 1150mm

Tolerance

WSW manufactures tapered roller bearings with P0, PX, P6, P5, P4, and P2 precision grade. All the tolerance values conform to GB307.1 standard. The tolerances are listed in the preface tables.

WSW manufactures inch-sized tapered roller bearings with normal tolerance class, also manufactures inch -sized tapered roller bearings with CL2, CL3, CL10 and CL00 tolerances

Radial clearance

WSW single-row tapered roller bearings have clearance only after they are mounted, and the clearance can be determined only when another bearing is located next to it in the opposite direction after adjusting. The radial clearance of double two and four-row tapered roller bearing are listed in the preface tables.

Cage

Normally, tapered roller bearings use pressed basket shaped cages of steel sheet but for bearings with greater dimensions, machined solid support shaped cages are also used.

1. When the bearings outside Dia. is smaller than or equal to 650mm, steel sheet pressed cage are used, the suffix of code does not denote the structure of cage.

2. When outside Dia. is bigger than 650mm, steel solid support shaped cage are used, the suffix of code does not denote the structure of cage.

Angle deviation allowance

Usually for tapered roller bearings, there should be no misalignment between the shaft and the housing bore. When there is misalignment, the slope angle should not be greater than 2'.

Single-row tapered roller bearings
Equivalent dynamic load

Usually for tapered roller bearings, there should be no misalignment between the shaft and the housing bore. When there is misalignment, the slope angle should not be greater than 2'.

When Fa/Fr≤e P=Fr [KN]
When Fa/Fr＞ e P=0.4Fr +YFa [KN]

Single row tapered roller bearings can be used in pairs (their basic dimensions may be different), and when calculating the equivalent dynamic load, the additional axial force caused by the radial load must be calculated and taken into consideration. The additional force S of single-row tapered roller bearings can be approximately calculated according to the following formula:

$$S= Fr/2Y$$

Equivalent static load

Single row tapered roller bearings
P0=0.5Fr +Y0Fa [KN]
P0＜Fr P0=Fr

Double-row and four-row tapered roller bearings
Equivalent dynamic load

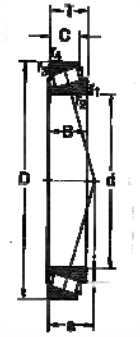
P=0Fr +Y1Fa [KN]
When Fa/Fr≤ e
P=0.67Fr +Y2Fa [KN]
When Fa/Fr＞ e

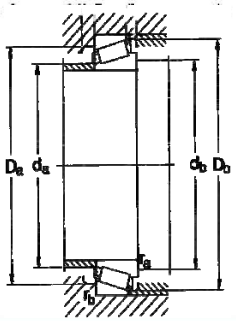
Equivalent static load

P0=Fr +Y0Fa [KN]

Fr and Fa indicate total load acted on single row, double-row and four-row tapered roller bearings.

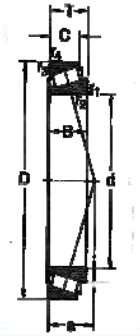
The factors e, Y, Y1, Y2, Y0 are listed in the bearing dimension tables.

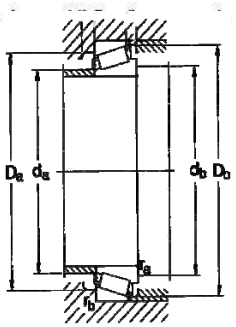




基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 油润滑		作用点 Load Center Spacings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass 参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil		新代号 New	旧代号 Old	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
100	140	25	25	20	1.5	1.5	117	205	2000	3000	24.2	32920	2007920	112	106	131	136	1.5	1.5	0.33	1.8	1	1.18
	150	32	32	24	2	1.5	176	294	2000	3000	32.5	32020X	2007120	115	106	138	146	2	1.5	0.46	1.3	0.72	1.95
	150	39	39	32.5	2	1.5	224	390	2000	3000	29	33020	3007120	109	109	135	143	1.5	1.5	0.28	2.1	1.1	2.4
	165	52	52	40	2.5	2	325	523	2000	3000	40.1	33120	3007720	112	12	142	159	2	2	0.41	1.48	0.81	4.29
	180	37	34	29	3	2.5	255	330	1900	2800	36.1	30220	7220E	121	110	163	172	2.5	2	0.42	1.4	0.79	3.78
	180	49	46	39	3	2.5	325	450	1800	2600	41.5	32220	7520E	122	110	161	174	2.5	2	0.42	1.4	0.79	5.05
	180	63	63	48	3	2.5	429	655	1700	2400	43	33220	3007220	112	112	151	168	2	2	0.4	1.5	0.8	6.95
	215	51.5	47	39	4	3	365	435	1700	2400	41.7	30320	7320E	130	116	193	204	3	2.5	0.35	1.7	0.95	7.94
	215	56.5	51	35	4	3	374	465	1600	2200	65	31320	27320E	121	114	168	202	2.5	2.5	0.83	0.72	0.4	8.6
	215	77.5	73	60	4	3	565	755	1600	2200	53.2	32320	7620E	130	114	190	206	3	2.5	0.35	1.7	0.96	12.7
105	145	25	25	20	1.5	1.5	119	212	1700	2400	25.3	32921	2007921	117	111	136	141	1.5	1.5	0.34	1.8	0.96	1.23
	160	35	35	26	2.5	2	204	340	1900	2800	34.3	32021X	2007121	122	112	146	155	2	2	0.44	1.4	0.74	2.48
	160	43	43	34	2.5	2	246	430	1900	2800	31	33021	3007121	115	117	150	153	2	2	0.28	2.1	1.1	3.05
	175	56	56	44	2.5	2	360	607	1700	2400	43.2	33121	3007721	117	116	150	169	2	2	0.4	1.48	0.82	5.33
	190	39	36	30	3	2.5	280	365	1800	2600	38.1	30221	7221E	127	116	172	182	2.5	2	0.42	1.4	0.79	4.52
	190	53	50	43	3	2.5	360	510	1800	2600	44.8	32221	7521E	128	115	170	183	2.5	2	0.42	1.4	0.79	6.26
	190	68	68	52	3	2.5	497	790	1800	2600	48.8	33221	3007221	119	117	159	182	2.5	2	0.4	1.49	0.82	8.43
	225	53.5	49	41	4	3	395	470	1600	2200	43.5	30321	7321E	136	121	202	214	3	2.5	0.35	1.7	0.95	9.11
	225	58	53	36	4	3	397	489	1600	2200	70.3	31321	27321E	123	126	193	211	3	2.5	0.83	0.73	0.4	9.72
	225	81.5	77	63	4	3	585	780	1500	2000	55	32321	7621E	137	119	199	215	3	2.5	0.35	1.7	0.95	14.2
106	160	35	35	26	6.4	2	201	335	1900	2800	34	320/106		127	116	150	154	6	2	0.44	1.35	0.8	2.3
110	150	25	25	20	1.5	1.5	123	224	2000	3000	26.5	32922	2007922	122	116	141	146	1.5	1.5	0.36	1.7	0.93	1.29
	170	38	38	29	2.5	2	236	390	1800	2600	35.9	32022X	2007122	128	117	156	165	2	2	0.43	1.4	0.77	3.09
	170	47	47	37	2.5	2	281	500	1800	2600	34	33022	3007122	120	123	160	161	2	2	0.28	2.1	1.1	3.85
	180	56	56	43	2.5	2	369	630	1800	2600	44	33122	3007722	120	121	170	174	2	2	0.43	1.4	0.8	5.55
	200	41	38	32	3	2.5	315	420	1700	2400	40.1	30222	7222E	134	121	181	192	2.5	2	0.42	1.4	0.79	5.28
	200	56	53	46	3	2.5	400	565	1700	2400	47.2	32222	7522E	135	121	179	193	2.5	2	0.42	1.4	0.79	7.35
	240	54.5	50	42	4	3	485	595	1600	2200	45.1	30322	7322E	143	129	216	228	3	2.5	0.35	1.7	0.96	11

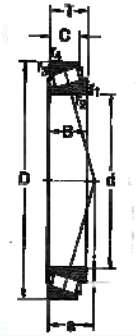
Single-row Taper Roller Bearing

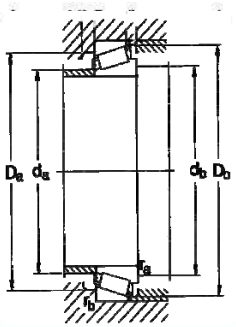




基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 Grease	油润滑 Oil	作用点 Load Center Spacings	轴承代号 Bearing Numbers 新代号 New	旧代号 Old	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass 参考 Refer.
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor						damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	
110	240	63	57	38	4	3	457	585	1400	1900	72	31322	27322E	124									12
	240	84.5	80	65	4	3	675	910	1400	1900	58.5	32322	7622E	144	127	213	229	3	2.5	0.35	1.7	0.96	17.1
120	165	29	29	23	1.5	1.5	157	283	1700	2400	29.2	32924	2007924	133	126	155	161	1.5	1.5	0.35	1.7	0.95	18
	180	38	38	29	2.5	2	242	405	1700	2400	39.7	32024X	2007124	138	127	165	175	2	2	0.46	1.3	0.72	3.27
	180	48	48	38	2.5	2	292	540	1800	2600	36	33024	3007124	130	132	170	171	2	2	0.31	1.97	1.08	4.2
	200	62	62	48	2.5	2	462	785	1700	2400	47.8	33124	3007724	132	133	172	192	2	2	0.4	1.51	0.83	7.73
	215	43.5	40	34	3	2.5	335	450	1600	2200	44.4	30224	7224E	145	132	195	206	2.5	2	0.44	1.4	0.76	6.28
	215	61.5	58	50	3	2.5	440	635	1600	2200	52	32224	7524E	146	131	192	208	2.5	2	0.44	1.4	0.76	9
	260	59.5	55	46	4	3	535	655	1500	2000	50	30324	7324E	155	139	234	247	3	2.5	0.35	1.7	0.96	13.9
	260	68	62	42	4	3	530	735	1200	1700	82	31324	27324E	134	145	246	244	2.5	2.5	0.83	0.7	0.4	16
	260	90.5	86	69	4	3	770	1060	1300	1800	62.4	32324	7624E	155	137	230	248	3	2.5	0.35	1.7	0.96	21.8
130	180	32	32	25	2	1.5	198	365	1700	2400	31	32926	2007926	139	141	167	173	1.5	1.5	0.33	1.8	1	2.4
	200	45	45	34	2.5	2	320	535	1600	2200	43.9	32026X	2007126	151	139	184	195	2	2	0.43	1.4	0.76	5.06
	200	55	55	43	2.5	2	390	705	1500	2000	42.5	33026	3007126	142	143	178	192	2	2	0.34	1.76	0.97	6.19
	230	43.75	40	34	4	3	330	435	1500	2000	42.8	30226	7226E	158	145	211	222	3	2.5	0.39	1.5	0.85	6.83
	230	67.75	64	54	4	3	495	740	1500	2000	53.5	32226	7526E	158	141	206	222	3	2.5	0.39	1.5	0.85	11
	280	63.75	58	49	5	4	545	675	1300	1800	53.9	30326	7326E	169	152	251	265	4	3	0.36	1.7	0.92	16.6
	280	72	66	44	5	4	600	830	1100	1600	87	31326	27326E	148	157	262	261	5	4	0.83	0.7	0.4	19.4
	280	98.75	93	78	5	4	830	1150	1100	1600	69.2	32326	7626	172	150	248	269	4	3	0.36	1.7	0.92	26.6
140	190	32	32	25	2	1.5	205	390	1600	2200	33	32928	2007928	149	150	181	184	1.5	1.5	0.35	1.7	0.9	2.55
	195	29	27	21	3	3	194	325	1600	2200	40	32928X3		152	151	180	181	2	2.5	0.5	1.2	0.7	2.4
	210	45	45	34	2.5	2	325	555	1600	2200	46.6	32028X	2007128	161	148	193	205	2	2	0.46	1.3	0.72	5.32
	210	56	56	44	2.5	2	406	758	1500	2000	45.6	33028	3007128	152	152	186	202	2	2	0.36	1.67	0.92	6.61
	250	45.75	42	36	4	3	390	515	1400	1900	48.9	30228	7228E	169	154	228	240	3	2.5	0.44	1.4	0.76	8.74
	250	71.75	68	58	4	3	610	915	1400	1900	60.5	32228	7528E	171	152	224	242	3	2.5	0.44	1.4	0.76	14.3
	300	67.75	62	53	5	4	600	740	1200	1700	57.4	30328	7328E	180	162	269	284	4	3	0.36	1.7	0.92	20.1
	300	77	70	47	5	4	670	950	1000	1500	94	31328	27328E	158	169	282	280	3	3	0.83	0.7	0.4	23.8
	300	107.75	102	85	5	4	985	1440	950	1400	76.4	32328	7628E	185	161	265	288	4	3	0.37	1.6	0.88	33.9

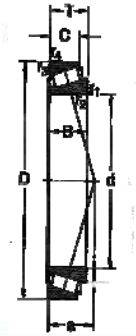
Single-row Taper Roller Bearing

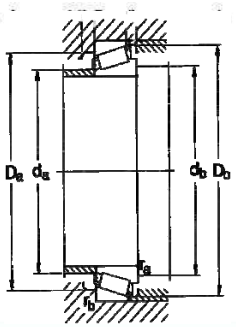




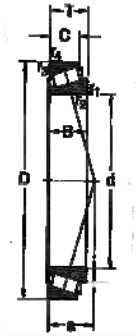
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 油润滑		作用点 Load Center Spacings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						计 算 系 数 Calculation Factors			质量(kg) Mass 参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil		新代号 New	旧代号 Old	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
150	210	38	38	30	2.5	2	270	500	1500	2000	36	32930	2007930	171	148	193	205	2	2	0.33	1.8	1	3.88
	225	48	48	36	3	2.5	375	650	1500	2000	49.8	32030X	2007130	173	159	206	219	2.5	2	0.46	1.3	0.72	6.6
	225	59	59	46	3	2.5	457	865	1500	2000	48	33030	3007130	162	164	213	217	2.5	2	0.37	1.6	0.9	8.15
	270	49	45	38	4	3	435	570	1300	1800	50.2	30230	7230E	180	165	246	259	3	2.5	0.43	1.4	0.77	10.7
	270	77	73	60	4	3	595	900	1200	1700	64	32230	7530E	184	166	242	260	3	2.5	0.4	1.5	0.82	17.1
	320	72	65	55	5	4	690	860	1100	1600	61.4	30330	7330E	193	174	288	304	4	3	0.36	1.7	0.92	24.2
	320	82	75	50	5	4	765	1080	950	1400	100	31330	27330E	168	181	302	300	3	3	0.83	0.7	0.4	28.9
	320	114	108	90	5	4	1120	1700	950	1400	81.5	32330	7630E	198	173	282	306	4	3	0.37	1.6	0.88	41.4
160	220	38	36	31	2.5	2	250	455	1100	1600	39.3	32932	2007932	178	168	206	215	2	2	0.35	1.7	0.95	4.06
	240	51	51	38	3	2.5	425	750	1300	1800	53	32032X	2007132	184	169	221	234	2.5	2	0.46	1.3	0.72	7.93
	290	52	48	40	4	3	470	610	1100	1600	55	30232	7232E	195	178	266	279	3	2.5	0.43	1.4	0.77	13.1
	290	84	80	67	4	3	725	1120	1100	1600	70.1	32232	7532E	197	177	261	281	3	2.5	0.4	1.5	0.82	22.1
	340	75	68	58	5	4	765	960	1000	1500	64.6	30332	7332E	205	185	307	323	4	3	0.36	1.7	0.92	28.4
	340	87	79	54	5	4	850	1220	1000	1500	107	31332	27332E	205	185	307	323	4	3	0.83	0.7	0.4	34.5
	340	121	114	95	5	4	1210	1770	950	1400	87.1	32332	7632E	210	183	301	327	4	3	0.37	1.6	0.88	48.3
170	230	38	36	31	2.5	2	258	485	1200	1700	41.6	32934	2007934	188	178	216	225	2	2	0.36	1.6	0.9	4.3
	260	57	57	43	3	2.5	505	890	1200	1700	56.6	32034X	2007134	196	180	239	253	2.5	2	0.44	1.4	0.74	10.6
	310	57	52	43	5	4	525	690	1000	1500	59.8	30234	7234E	207	189	282	297	4	3	0.43	1.4	0.77	16.1
	310	91	86	71	5	4	835	1320	1000	1500	73.9	32234	7534E	210	188	278	299	4	3	0.4	1.5	0.82	27.6
	360	80	72	62	5	4	845	1080	950	1400	70.1	30334	7334E	219	198	326	344	4	3	0.37	1.6	0.9	33.5
	360	92	84	56	5	4	965	1400	950	1400	113	31334	27334E	219	198	326	344	4		0.83	0.7	0.4	40.9
	360	127	120	100	5	4	1370	2050	900	1300	91.3	32334	7634E	222	194	319	346	4	3	0.37	1.6	0.88	57
180	250	45	42	36	2.5	2	310	570	1200	1700	48.5	32936	2007936	200	189	234	244	2	2	0.37	1.6	0.88	6.22
	280	64	64	48	3	2.5	640	1130	1100	1600	60.4	32036X	2007136	208	192	257	272	2.5	2	0.42	1.4	0.78	14.3
	320	57	52	43	5	4	520	695	1000	1500	62.1	30236	7236E	215	199	291	306	4	3	0.44	1.4	0.74	16.6
	320	91	86	71	5	4	875	1380	950	1400	75.2	32236	7536E	221	198	289	310	4	3	0.4	1.5	0.82	28.5
	380	83	75	64	5	4	935	1230	950	1400	72.4	30336	7336E	230	209	343	360	4	3	0.36	1.7	0.92	39.3
	380	97	88	60	5	4	1040	1530	950	1400	119	31336	27336E	230	209	343	360	4	3	0.83	0.7	0.4	47.7

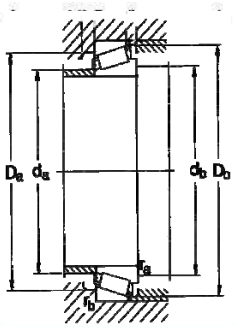
Single-row Taper Roller Bearing





基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						计 算 系 数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑		新代号	旧代号										参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil		New	Old	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
180	380	134	126	106	5	4	1520	2290	950	1400	96.6	32336	7636E	232	205	336	364	4	3	0.37	1.6	0.88	66.8
190	260	45	42	36	2.5	2	335	645	950	1400	49.9	32938	2007938	210	199	244	254	2	2	0.39	1.5	0.85	6.59
	290	64	64	48	3	2.5	650	1170	1000	1500	63.3	32038X	2007138	219	202	267	283	2.5	2	0.44	1.4	0.75	14.9
	340	60	55	46	5	4	580	790	950	1400	62.7	30238	7238E	230	212	311	326	4	3	0.4	1.5	0.82	24
	400	101	92	65	5	4	1120	1630	900	1300	115	31338	27338E	249	220	355	385	5	4	0.73	0.8	0.5	54.1
	400	140	132	109	6	5	1660	2580	850	1200	102.7	32338	7638E	249	220	355	385	5	4	0.37	1.6	0.88	78.9
200	280	51	51	39	3	2.5	475	950	1000	1500	54	32940	2007940	212	217	268	271	2.5	2	0.4	1.5	0.8	9.39
	360	64	58	48	5	4	645	890	900	1300	65.5	30240	7240E	242	224	329	345	4	3	0.4	1.5	0.82	23.8
	360	104	98	82	5	4	1090	1750	900	1300	85	32240	7540E	244	219	322	347	4	3	0.4	1.5	0.82	42
	420	89	80	67	6	5	1030	1390	850	1200	81.4	30340	7340E	251	229	372	391	5	4	0.37	1.6	0.88	52.3
	420	107	97	70	5	4	1320	1900	850	1200	130	31340	27340E	251	229	372	391	5	4	0.79	0.8	0.4	65.1
	420	146	138	115	6	5	1820	2870	800	1100	106.7	32340	7640E	260	229	372	403	5	4	0.37	1.6	0.88	90.9
220																							
	300	51	51	39	3	2.5	475	1000	900	1300	59	32944	2007944							0.43	1.4	0.8	10.1
	340	76	76	57	4	3	885	1610	900	1300	73.6	32044X	2007144	254	234	313	331	3	2.5	0.43	1.4	0.77	24.4
	400	72	65	54	5	4	810	1150	850	1200	74.6	30244	7244E	266	246	365	381	4	3	0.4	1.5	0.82	33.6
	400	114	108	90	5	4	1340	2210	800	1100	93	32244	7544E	270	242	360	386	4	3	0.4	1.5	0.82	57.4
	460	97	88	73	6	5	1430	1990	750	1000	85.3	30344	7344E	277	254	414	434	5	4	0.36	1.7	0.92	72.4
	460	154	145	122	6	5	2020	3200	700	950	114.9	32344	7644E	281	250	405	438	5	4	0.37	1.6	0.88	114
240																							
	320	51	51	39	3	2.5	490	1080	900	1300	65	32948	2007948	252	255	308	311	2	2	0.46	1.3	0.7	10.9
	360	76	76	57	4	3	920	1730	850	1200	79.1	32048X	2007148	274	253	332	351	3	2.5	0.46	1.3	0.72	26.2
	440	79	72	60	5	4	990	1400	800	1100	85.1	30248	7248E	290	267	401	422	4	3	0.44	1.4	0.74	45.2
	440	127	120	100	5	4	1630	2730	750	1000	102.5	32248	7548E	296	265	397	426	4	3	0.4	1.5	0.82	78
	500	105	95	80	6	5	1660	2340	750	1000	92.8	30348	7348E	300	277	449	471	5	4	0.36	1.7	0.92	92.6
	500	165	155	132	6	5	2520	4100	700	950	123.2	32348	7648E	307	273	444	479	5	4	0.37	1.6	0.88	145
260																							
	360	63.5	63.5	48	3	2.5	710	1500	900	1300	70	32952	2007952	294	253	332	351	44		0.41	1.5	0.8	18.8
	400	87	87	65	5	4	1160	2160	800	1100	86.3	32052X	2007152	300	276	368	389	4	3	0.43	1.4	0.76	38.5
	480	89	80	67	6	5	1190	1700	700	950	94.5	30252	7252E	318	291	438	461	5	4	0.44	1.4	0.74	60.7



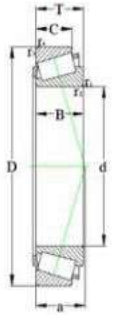


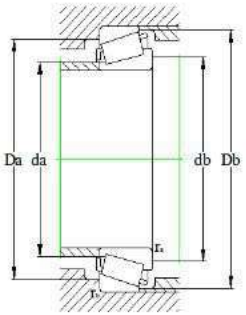
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
								脂润滑	油润滑		新代号	旧代号									参考
d	D	T	B	C	r1.2min r3.4min	Cr	Cor	Grease	Oil		New	Old	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
260	480	137	130	106	6 5	1900	3300	670	900	116	32252	7552E	319	286	426	460	5	4	0.45	1.3	0.73	103
	540	113	102	85	6 6	2120	3050	630	850	97	30352	7352E	286	325	512	493	5	5	0.35	1.7	0.9	110
280	380	63.5	63.5	48	3 2.5	710	1560	800	1100	75	32956	2007956	292	298	368	368	2.5	2.5	0.43	1.4	0.8	19.9
	420	87	87	65	5 4	1180	2240	750	1000	91.6	32056X	2007156	320	295	386	409	4	3	0.46	1.3	0.72	40.6
	500	89	80	67	6 5	1240	1900	700	950	98.5	30256	7256E	336	313	456	478	5	4	0.44	1.4	0.74	66.3
300	420	76	76	57	4 3	930	2040	700	950	80	32960	2007960	314	324	406	405	3	2.5	0.39	1.5	0.8	31.3
	460	100	100	74	5 4	1440	2700	670	900	98.4	32060X	2007160	344	317	423	447	4	3	0.43	1.4	0.76	56.6
	540	96	85	71	6 5	1440	2100	650	920	105.1	30260	7260E	357	331	493	517	5	4	0.44	1.4	0.74	80.6
	540	149	140	115	6 5	2220	3700	600	800	131.6	32260	7560E	364	329	486	524	5	4	0.46	1.3	0.72	132
320	440	76	76	57	4 3	1000	2320	670	900	86	32964	2007964	334	343	428	426	3	2.5	0.42	1.4	0.8	33.6
	480	100	100	74	5 4	1510	2910	630	850	104.5	32064X	2007164	365	338	443	468	4	3	0.46	1.3	0.72	60
	580	104	92	75	6 5	1640	2420	600	800	113.7	30264	7264E	382	354	529	554	5	4	0.44	1.4	0.74	99.3
	580	159	150	125	5 5	2620	4650	550	750	142	32264	7564E	342	369	473	551	4	4	0.47	1.27	0.7	172.1
340	460	76	76	57	4 3	1040	2450	530	850	91	32968	2007968	357	361	440	446	3	2.5	0.44	1.4	0.8	35.4
	520	112	106	90	5 5	1650	3150	500	720	103.5	32068		362	374	452	496	4	4	0.37	1.6	0.88	78.7
360	480	76	76	57	4 3	1020	2400	600	800	97	32972	2007972	377	380	464	466	3	2.5	0.46	1.3	0.7	36.8
	540	112	106	90	5 5	1740	3300	500	720	106	32072X	2007172	382	394	476	519	4	4	0.37	1.6	0.88	83.7
	680	165	150	125	7.5 7.5	3690	6300	480	630	172	30272	7272E	394	416	551	646	6	6	0.6	1	0.6	260
380	520	87	82	71	5 4	1210	2550	530	850	95.2	32976	2007976	418	396	487	508	4	3	0.39	1.6	0.86	49.5
	560	112	106	90	5 5	1920	3800	500	720	109.5	32076X	2007176	402	413	495	539	4	4	0.37	1.6	0.88	89.3
400	540	87	82	71	4	1250	2700	500	720	100.8	32980		439	417	508	530	4	3	0.4	1.5	0.82	52.7
	600	125	118	100	6 5	1960	4050	480	630	115.3	32080		453	424	553	580	5	4	0.36	1.7	0.92	116
420	560	87	82	72	5 4	1300	2810	480	630	106.1	32984		458	436	528	550	4	3	0.41	1.5	0.81	54.8
	620	125	118	100	6 5	2000	4200	450	600	120	32084		473	444	572	600	5	4	0.37	1.6	0.88	121
440	600	100	95	82	4 4	1600	3450	450	600	106	32988		458	473	543	581	3	3	0.35	1.7	0.93	76
	650	130	122	104	6 6	2230	4600	400	550	126.3	32088		496	467	602	630	5	5	0.36	1.7	0.92	136
	650	130	122	104	6 6	2230	4600	400	550	126.3	32088		496	467	602	630	5	5	0.36	1.7	0.92	136

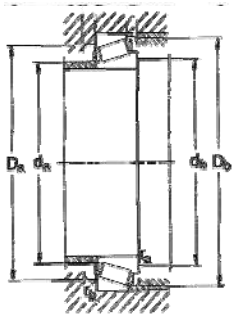
Single-row Taper Roller Bearing

(Inch Series)

WSW





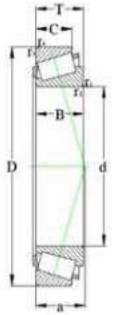


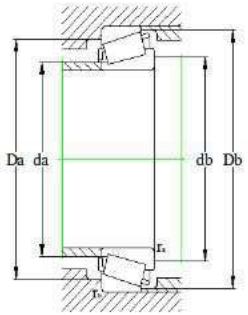
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
95.25	190.5	57.15	57.531	46.038	7.9	3.2	440	602	2300	3400	42.5	HH221440/HH221410	115	119	168	179	7.9	3.2	0.33	1.79	0.99	7.37
96.838	148.43	28.575	28.971	21.433	3.6	3	143	225	2300	3400	31.9	42381/42584	108	108	133	140	3.6	3	0.49	1.22	0.67	1.64
	188.913	50.8	46.038	31.75	3.6	3.2	276	357	2300	3400	63	90381/90744	108	115	161	179	3.6	3.2	0.87	0.69	0.38	5.68
98.425	161.925	36.512	36.116	26.195	3.6	3.2	180	288	2200	3300	36	52387/52637	110	114	142	151	3.6	3.2	0.47	1.26	0.69	2.74
	168.275	41.275	41.275	30.162	3.6	3.2	224	349	2200	3300	38.6	685/672	110	115	147	156	3.6	3.2	0.47	1.28	0.7	3.51
	180.975	47.625	48.006	38.1	3.6	3.2	288	438	2100	3200	39.5	779/772	110	120	156	166	3.6	3.2	0.39	1.56	0.86	5.2
	184.15	63.5	63.5	52.388	6.4	3.2	445	687	2100	3200	46.2	HH421246/HH421210	115	117	161	174	6.4	3.2	0.37	1.6	0.88	7.45
	190.5	57.15	57.531	44.45	3.6	3.2	353	504	2100	3200	40	866/854	110	120	162	172	3.6	3.2	0.33	1.79	0.99	6.99
	190.5	57.15	57.531	46.038	3.6	3.2	440	602	2100	3200	42.5	HH221442/HH221410	110	119	168	179	3.6	3.2	0.33	1.79	0.99	7.18
99.212	171.45	49.213	49.213	38.1	3.6	3.2	295	434	2200	3200	36.6	HM321245/HM321210	110	116	153	162	3.6	3.2	0.34	1.75	0.96	4.45
99.975	144.975	25.4	25.4	19.05	1.6	1.6	125	216	2200	3200	30.1	LM720646/LM720611	107	113	134	140	1.6	1.6	0.46	1.31	0.72	1.34
	156.975	42	42	34	7.9	3.6	245	396	2200	3200	32.4	HM220149/HM220110	112	120	143	150	7.9	3.6	0.33	1.8	0.99	2.9
	210	67	66.675	53.975	3.6	3.2	450	674	2200	3200	47.9	944A/933	111	135	181	193	3.6	3.2	0.33	1.84	1.01	10.9
	212.725	66.675	66.675	53.975	3.6	3.2	513	699	2200	3200	47.6	HH224334/HH224310	111	134	190	201	3.6	3.2	0.33	1.84	1.01	10.9
99.982	190.5	57.15	57.531	46.038	6.4	3.2	440	602	2200	3200	42.5	HH221447/HH221410	117	119	168	179	6.4	3.2	0.33	1.79	0.99	7.06
100	155	36	35	28	3	2.5	191	325	1900	2800	36.8	JM720249/JM720210	118	108	140	150	3	2.5	0.47	1.3	0.7	2.45
	160	41	40	32	3	2.5	239	380	1900	2800	38.2	JHM720249/JHM720210	107	119	144	155	3	2.5	0.47	1.3	0.7	3.07
	161.925	36.513	36.116	26.195	3.6	3.2	180	288	1900	2800	36	52394X/52637	111	114	142	151	3.6	3.2	0.47	1.26	0.69	2.67
	174.625	47.625	48.006	38.1	3.6	3.2	288	438	1800	2700	39.4	783/772A	111	120	156	166	3.6	3.2	0.39	1.56	0.86	4.57
	180.975	47.625	48.006	38.1	3.5	3.3	258	375	1800	2700	39.1	783/772	111	123	160	172	3.5	3.3	0.39	1.6	0.86	4.96
	189.997	57	57.531	48	6	3	353	504	1700	2600	39.8	863X/853	116	120	163	174	6	3	0.33	1.79	0.99	6.94
	190.5	57.15	57.531	44.45	6	3.3	355	500	1700	2600	41.8	863X/854	111	126	168	181	6	3.3	0.33	1.8	0.99	6.81
	200	52.761	49.213	34.925	3.6	3.2	347	471	1700	2600	54.7	98394X/98788	111	123	171	185	3.6	3.2	0.63	0.95	0.52	6.91
	212.725	66.675	66.675	53.975	3.5	3.3	570	810	1700	2600	47.3	HH224334/HH224310	118	133	191	206	3.5	3.3	0.33	1.8	1	11.4
	250.825	76.2	73.025	50.8	6.4	3.2	442	575	1700	2600	72.4	EE215039/215096	117	140	201	225	6.4	3.2	0.7	0.85	0.47	17.3
100.012	157.162	36.512	36.116	26.195	3.5	3.3	191	310	1900	2800	36.1	52393/52618	108	119	142	153	3.5	3.3	0.47	1.3	0.69	2.51
	161.925	39.688	36.116	29.37	3.5	3.3	191	310	1900	2800	39.2	52393/52638	108	119	143	155	3.5	3.3	0.47	1.3	0.69	2.92

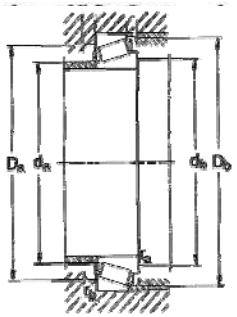
Single-row Taper Roller Bearing

(Inch Series)

WSW





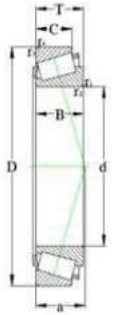


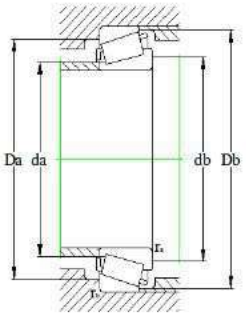
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
100.813	174.625	47.625	47.625	38.1	3.6	3.2	288	438	1900	2800	39.4	789/772A	113	120	156	166	3.6	3.2	0.39	1.56	0.86	4.51
101.6	136.525	21.433	21.433	16.67	1.6	1.6	86	162	1900	2800	24.3	L420449/L420410	110	111	126	130	1.6	1.6	0.37	1.63	0.9	0.852
	146.05	21.433	21.433	16.67	1.6	1.6	86.4	167	1900	2800	26.2	L521945R/L521910	110	119	134	139	1.6	1.6	0.39	1.53	0.84	1.17
	146.05	25.4	25.4	19.05	1.6	1.6	125	216	1900	2800	30.1	LM720648/LM720610	110	113	134	140	1.6	1.6	0.46	1.31	0.72	1.32
	157.162	36.512	36.116	26.195	3.5	3.3	191	310	1900	2800	36.1	52400/52618	109	120	142	153	3.5	3.3	0.47	1.3	0.69	2.45
	161.925	36.512	36.116	26.195	3.5	3.3	191	310	1900	2800	36.1	52400/52637	109	120	144	155	3.5	3.3	0.47	1.3	0.69	2.69
	168.275	41.275	41.275	34.925	3.5	3.3	223	345	1900	2800	38.3	687/672A	109	121	149	162	3.5	3.3	0.47	1.3	0.7	3.49
	168.275	41.275	41.275	30.162	3.5	3.3	223	345	1900	2800	38.3	687/672	109	121	149	161	3.5	3.3	0.47	1.3	0.7	3.39
	174.625	47.625	48.006	38.1	3.6	3.2	288	438	1900	2800	39.4	780/772A	114	120	156	166	3.6	3.2	0.39	1.56	0.86	4.47
	180	48	50.8	40	3.6	3	288	438	1800	2600	39.8	781X/773	114	120	156	167	3.6	3	0.39	1.56	0.86	5.05
	180.975	47.625	48.006	38.1	3.5	3.3	258	375	1800	2600	39.1	780/772	111	124	160	172	3.5	3.3	0.39	1.6	0.86	4.86
	189.997	57	57.531	48	7.9	3	353	504	1800	2600	39.8	861/853	122	120	163	174	7.9	3	0.33	1.79	0.99	6.81
	190.5	57.15	57.531	46.038	8	3.3	390	520	1800	2600	42.3	HH221449/HH221410	113	131	170	183	8	3.3	0.33	1.8	0.99	6.79
	190.5	57.15	57.531	44.45	8	3.3	355	500	1800	2600	41.8	861/854	112	130	168	181	8	3.3	0.33	1.8	0.99	6.68
	200	52.761	49.212	34.925	3.5	3.3	315	425	1800	2600	54.4	98400/98788	114	132	174	191	3.5	3.3	0.63	0.95	0.52	6.81
	200.025	61.912	57.531	50.8	8	3.3	390	520	1800	2600	47	HH221449/HH221416	113	131	174	188	8	3.3	0.33	1.8	0.99	8.29
	212.725	66.675	66.675	53.975	7	3.3	570	810	950	1400	47.3	HH224335/HH224310	119	137	191	206	7	3.3	0.33	1.8	1	11.2
	212.725	66.675	66.675	53.975	7	3.3	475	700	950	1400	46.9	941/932	118	136	187	201	7	3.3	0.33	1.8	1	11.2
	214.313	55.563	52.388	39.688	3.6	3.2	404	578	950	1400	62.3	H924033/H924010	134	114	185	203	3.6	3.2	0.67	0.89	0.49	9.21
	250.825	76.2	73.025	50.8	6.4	6.4	485	635	1500	2000	72.8	EE215040/215098	122	146	207	236	6.4	6.4	0.7	0.86	0.47	17
	250.825	76.2	73.025	50.8	6.4	6.4	530	645	1500	2000	73.3	HH923649/HH923610	118	145	210	238	6.4	6.4	0.7	0.86	0.47	16.8
	250.825	76.2	73.025	50.8	6.4	3.3	530	645	1500	2000	73.3	HH923649/HH923611	118	145	213	238	6.4	3.3	0.7	0.86	0.47	16.8
103.188	168.275	41.275	41.275	30.163	3.6	3.2	224	349	1500	2000	38.7	689/672	115	115	147	156	3.6	3.2	0.47	1.28	0.7	3.27
104.775	174.625	47.625	48.006	38.1	3.6	3.2	288	438	1800	2600	39.4	782/772A	117	120	156	166	3.6	3.2	0.39	1.56	0.86	4.28
	174.625	47.625	48.006	38.1	6.4	3.2	288	438	1800	2600	39.4	786/772A	120	123	156	166	6.4	3.2	0.39	1.56	0.86	4.27
	174.625	47.625	48.006	38.1	7.1	3.2	288	438	1800	2600	39.4	787/772A	120	124	156	166	7.1	3.2	0.39	1.56	0.86	4.26
	180.975	47.625	48.006	38.1	3.5	3.3	258	375	1800	2600	39.1	782/772	113	125	160	172	3.5	3.3	0.39	1.6	0.86	4.67

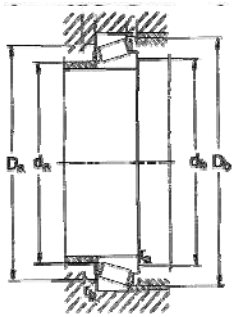
Single-row Taper Roller Bearing

(Inch Series)

WSW





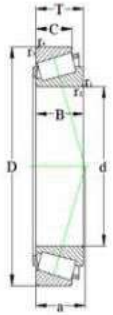


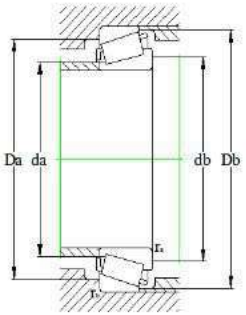
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
104.775	180.975	47.625	48.006	38.1	6.4	3.3	258	375	1800	2600	39.1	786/772	113	128	160	172	6.4	3.3	0.39	1.6	0.86	4.65
	180.975	47.625	48.006	38.1	7	3.3	258	375	1800	2600	39.1	787/772	113	129	160	172	7	3.3	0.39	1.6	0.86	4.65
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	40.1	71412/71750	119	131	171	183	3.5	3.3	0.42	1.4	0.79	5.71
	165.1	36.513	36.513	26.988	3.6	3.2	184	300	1900	2800	38.5	56413/56650	117	120	148	157	3.6	3.2	0.5	1.21	0.66	2.71
	177.8	41.275	41.275	30.162	3.6	3.2	227	365	1900	2800	42.8	64413/64700	117	127	160	170	3.6	3.2	0.52	1.16	0.64	3.99
106.362	165.1	36.512	36.512	26.988	3.5	3.3	195	320	1900	2800	38.6	56418/56650	114	126	148	160	3.5	3.3	0.5	1.2	0.66	2.73
	168.275	36.513	36.512	26.988	3.5	3.3	195	320	1900	2800	38.6	56418/56662	114	126	150	161	3.5	3.3	0.5	1.2	0.66	2.91
107.95	146.05	21.432	21.432	16.67	1.6	1.6	86.4	167	1900	2800	26.2	L521949R/L521910	116	119	134	139	1.6	1.6	0.39	1.53	0.84	0.99
	158.75	23.02	21.438	15.875	3.5	3.3	102	165	1900	2800	37	37425/37625	115	124	143	152	3.5	3.3	0.61	0.99	0.54	1.37
	159.987	34.925	34.925	26.988	3.5	3.3	164	315	1900	2800	33.7	LM522546/LM522510	117	126	145	154	3.5	3.3	0.4	1.5	0.82	2.43
	161.925	34.925	34.925	26.988	3.5	3.3	164	280	1900	2800	38.7	48190/48120	115	126	145	157	3.5	3.3	0.51	1.2	0.65	2.42
	165.1	36.512	36.512	26.988	3.5	3.3	195	320	1900	2800	38.6	56425/56650	115	127	148	160	3.5	3.3	0.5	1.2	0.66	2.66
	168.275	36.512	36.512	26.988	3.5	3.3	195	320	1900	2800	38.6	56425/56662	115	127	150	161	3.5	3.3	0.5	1.2	0.66	2.83
	171.45	34	30.163	25.268	3.6	3.2	177	254	1800	2600	39.3	67425/67675	120	124	153	161	3.6	3.2	0.47	1.27	0.7	2.63
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1700	2400	40.1	71425/71750	121	133	171	183	3.5	3.3	0.42	1.4	0.79	5.5
	191.975	47.625	49.213	34.925	3.6	3.2	303	483	1700	2400	40.9	71425/71753	120	131	168	177	3.6	3.2	0.42	1.44	0.79	5.58
	206.375	66.675	66.675	53.975	13.5	3.2	450	674	1700	2400	47.6	935/930	135	140	181	193	13.5	3.2	0.33	1.84	1.01	9.62
	206.375	66.675	66.675	53.975	7.9	3.2	450	674	1700	2400	47.6	936/930	129	135	181	193	7.9	3.2	0.33	1.84	1.01	9.69
	212.725	66.675	66.675	53.975	8	3.3	570	810	1700	2400	47.3	HH224340/HH224310	122	142	191	206	8	3.3	0.33	1.8	1	10.6
	212.725	66.675	66.675	53.975	8	3.3	475	700	1700	2400	46.9	936/932	121	140	187	201	8	3.3	0.33	1.8	1	10.7
109.538	158.75	23.02	21.438	15.875	6.4	6.4	104	169	1900	2800	36.5	37431/37625	120	122	142	148	6.4	6.4	0.61	0.99	0.54	1.33
109.9	212.725	66.675	74	53.975	SP	3.2	450	674	1800	2600	47.6	937XA/932	115	135	181	193	SP	3.2	0.33	1.84	1.01	10.7
109.952	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	40.1	71432/71750	122	134	171	183	3.5	3.3	0.42	1.4	0.79	5.37
	199.975	50	49.213	36.8	3.6	4	303	483	1800	2600	43.3	71432/71788	122	131	167	177	3.6	4	0.42	1.44	0.79	6.3
109.974	177.8	41.275	41.275	30.162	3.5	3.3	251	415	1800	2600	42	64432/64700	123	126	164	171	3	3	0.52	1.15	0.6	3.7
	180	41.275	41.275	30.162	3.5	3.3	251	415	1800	2600	42	64432/64708	123	126	166	171	3	3	0.52	1.15	0.6	3.9

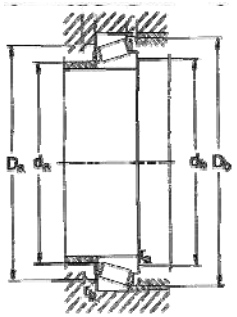
Single-row Taper Roller Bearing

(Inch Series)

WSW





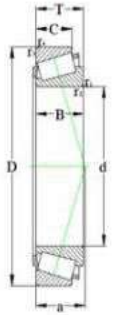


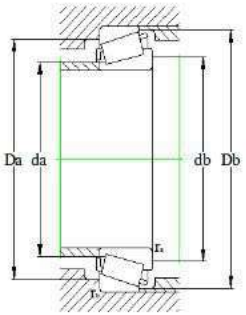
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
109.985	214.313	55.563	52.388	39.688	3.6	3.2	404	578	1800	2600	62.3	H924043/H924010	122	134	185	203	3.6	3.2	0.67	0.89	0.49	8.65
	159.987	34.925	34.925	26.988	8	3.3	164	315	1900	2800	33.7	LM522548/LM522510	118	132	145	154	8	3.3	0.4	1.5	0.82	2.31
	159.987	34.925	34.925	26.988	3.5	3.3	164	315	1900	2800	33.7	LM522549/LM522510	118	127	145	154	3.5	3.3	0.4	1.5	0.82	2.33
	164.737	37.313	34.925	32.131	3.6	2.4	184	319	1800	2600	35.3	LM522549/LM522518	121	122	146	155	3.6	2.4	0.4	1.5	0.82	2.62
109.992	177.8	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	42.4	64433/64700	119	132	160	173	3.5	3.3	0.52	1.2	0.64	3.75
	178	41.275	41.275	30.163	3.6	3	227	365	1800	2600	42.8	64433/64701X	122	127	160	170	3.6	3	0.52	1.16	0.64	3.73
	180	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	42.4	64433/64708	123	126	166	171	3	3	0.52	1.15	0.6	3.9
110	165	35	35	26.5	3	2.5	195	320	1800	2600	38.1	JM822049/JM822010	116	127	149	160	3	2.5	0.5	1.2	0.66	2.48
	180	47	46	38	3	2.5	310	490	1800	2600	40.9	JHM522649/JHM522610	118	131	162	174	3	2.5	0.41	1.5	0.81	4.62
	186.975	45	49.213	35.001	3.6	5.2	303	483	1800	2600	38.3	71433X/71736	122	131	169	179	3.6	5.2	0.42	1.44	0.79	4.92
	206.35	66.675	66.675	53.975	6.4	3.2	450	674	1800	2600	47.6	942/930	128	135	181	193	6.4	3.2	0.33	1.84	1.01	9.53
	212.725	66.675	66.675	53.975	6.4	3.2	450	674	1800	2600	47.6	942/932	128	135	181	193	6.4	3.2	0.33	1.84	1.01	10.4
110.333	171.45	34	30.163	25.268	3.6	3.2	177	254	1800	2600	39.3	67434/67675	123	124	153	161	3.6	3.2	0.47	1.27	0.7	2.53
111.125	171.45	34	30.163	25.268	3.6	3.2	177	254	1800	2600	39.3	67437/67675	123	124	153	161	3.6	3.2	0.47	1.27	0.7	2.5
	180.975	41.275	41.275	30.163	3.6	3.2	227	365	1800	2600	42.8	64437/64713	123	127	160	170	3.6	3.2	0.52	1.16	0.64	3.86
	186.975	45	49.212	35.001	3.6	3.2	303	483	1800	2600	38.3	71437/71736	123	131	169	179	3.6	5.2	0.42	1.44	0.79	4.85
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	40.1	71437/71750	122	135	171	183	3.5	3.3	0.42	1.4	0.79	5.29
	214.312	55.562	52.388	39.688	3.5	3.3	355	490	1800	2600	62.4	H924045/H924010	124	143	187	206	3.5	3.3	0.67	0.89	0.49	8.32
111.917	206.375	66.675	66.675	53.975	13.5	3.2	450	674	1800	2600	47.6	947/930	135	144	181	193	13.5	3.2	0.33	1.84	1.01	9.26
114.3	152.4	21.433	21.433	16.67	1.5	1.5	89.5	178	1800	2600	27.4	L623149/L623110	121	127	142	148	1.5	1.5	0.41	1.5	0.8	1.07
	155.575	21.433	21.433	21.433	1.6	1.6	96.4	197	1800	2600	27.7	L623149/L623114	123	125	142	148.1	1.6	0.41	1.45	0.8		1.24
	177.8	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	42.4	64450/64700	122	135	160	173	3.5	3.3	0.52	1.2	0.64	3.5
	178	41.275	41.275	30.163	3.6	3	227	365	1800	2600	42.8	64450/64701X	127	127	160	170	3.6	3	0.52	1.16	0.64	3.49
	179.975	34.925	31.75	25.4	3.6	0.8	171	247	1800	2600	40.7	68450/68709	127	131	161	169	3.6	0.8	0.5	1.21	0.66	2.87
	179.975	34.925	31.75	25.4	3.6	0.8	171	247	1800	2600	40.7	68450A/68709	127	131	161	169	3.6	0.8	0.5	1.21	0.66	2.87
	180	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	42.4	64450/64708	122	135	166	171	3.5	3.3	0.52	1.2	0.64	3.8
	180	34.925	31.75	25.4	3.5	0.8	174	254	1800	2600	40	68450/68709	124	134	165	173	3.5	0.8	0.5	1.2	0.66	2.95

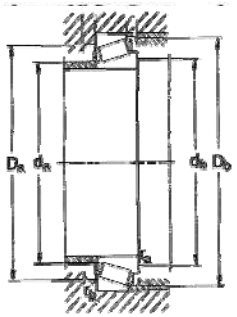
Single-row Taper Roller Bearing

(Inch Series)

WSW





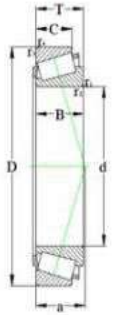


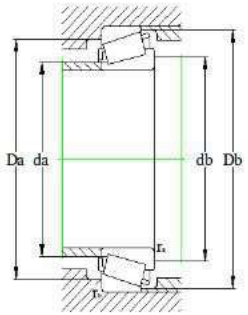
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
114.3	180.975	34.925	31.75	25.4	3.5	3.3	174	254	1800	2600	40	68450/68712	124	134	163	174	3.5	3.3	0.5	1.2	0.66	2.93
	186.975	45	49.212	35.001	3.6	5.2	303	483	1800	2600	38.3	71450/71736	127	131	169	179	3.6	5.2	0.42	1.44	0.79	4.64
	186.975	45	49.212	35.001	3.6	5.2	303	483	1800	2600	38.3	71451/71736	127	131	169	179	3.6	5.2	0.42	1.44	0.79	4.64
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1700	2400	40.1	71450/71750	124	135	171	183	3.5	3.3	0.42	1.4	0.79	5.07
	192	47.625	49.212	34.925	3.5	3.3	296	465	1700	2400	40	71450/71753	124	136	178	178	3	3	0.42	1.4	0.79	5.4
	206.375	66.675	66.675	53.975	7.1	3.2	450	674	1700	2400	47.6	938/930	134	135	181	193	7.1	3.2	0.33	1.84	1.01	9.13
	212.725	66.675	66.675	53.975	7	3.3	570	810	1700	2400	47.3	HH224346/HH224310	125	144	191	206	7	3.3	0.33	1.8	1	10.1
	212.725	66.675	66.675	53.975	7	3.3	475	700	1700	2400	46.9	938/932	124	142	187	201	7	3.3	0.33	1.8	1	10.1
	212.725	66.675	66.675	53.975	7	3.3	512	765	1700	2400	47	HH224346/HH224310	132	136	201	202	6	3	0.33	1.8	1	10.5
	228.6	53.975	49.428	38.1	3.5	3.3	375	530	1300	1800	67.7	HM926740/HM926710	133	152	201	223	3.5	3.3	0.74	0.81	0.45	9.52
	228.6	53.975	49.428	38.1	3.5	3.3	330	475	1300	1800	67.5	97450/97900	131	151	198	219	3.5	3.3	0.74	0.82	0.45	9.52
	273.05	82.55	82.55	53.975	6.4	6.4	685	870	1200	2000	77	HH926744/HH926710	134	162	234	261	6.4	6.4	0.63	0.95	0.52	21.8
	279.4	82.55	82.55	53.975	6.4	6.4	660	909	1200	2000	77.8	EE514045/514110	132	159	228	252	6.4	6.4	0.65	0.92	0.51	24.2
	279.4	82.55	82.55	53.975	6.4	6.4	685	870	1200	2000	77	HH926744/HH926716	134	162	237	264	6.4	6.4	0.63	0.95	0.52	23
114.976	177.8	41.275	41.275	30.162	3.6	3.2	227	365	1800	2600	42.8	64452/64700	127	127	160	170	3.6	3.2	0.52	1.16	0.64	3.43
	177.8	41.275	41.275	30.162	9	3.3	251	415	1800	2600	42	64452A/64700	126	135	164	171	8	3	0.52	1.15	0.6	3.55
	180	41.275	41.275	30.162	9	3.3	251	415	1800	2600	42	64452A/64708	126	135	166	171	8	3	0.52	1.15	0.6	3.75
	212.725	66.675	66.675	53.975	7	3.3	570	810	1100	1600	47.3	HH224349/HH224310	125	144	191	206	7	3.3	0.33	1.8	1	10
115	177.8	41.275	41.275	30.162	3.5	3.3	232	375	1800	2600	42.4	64452/64700	122	135	160	173	3.5	3.3	0.52	1.2	0.64	3.46
115.087	186.975	45	49.212	35.001	3.6	5.2	303	483	1800	2600	38.3	71453/71736	127	131	169	179	3.6	5.2	0.42	1.44	0.79	4.58
	186.975	45	49.212	35.001	7.9	5.2	303	483	1800	2600	38.3	71455/71736	131	136	169	179	7.9	5.2	0.42	1.44	0.79	4.55
	190.5	47.625	49.212	34.925	3.5	3.3	296	465	1800	2600	40.1	71453/71750	124	137	171	183	3.5	3.3	0.42	1.4	0.79	5.02
	190.5	47.625	49.212	34.925	7.9	3.2	303	483	1800	2600	40.9	71455/71750	131	136	168	177	7.9	3.2	0.42	1.44	0.79	4.97
117.373	195.263	53.975	57.15	44.45	1.6	3.2	365	599	1800	2600	35.9	HM124644/HM124618	126	136	173	181	1.6	3.2	0.26	2.27	1.25	6.36
117.475	179.975	34.925	31.75	25.4	3.6	0.8	171	247	1800	2600	40.7	68462/68709	130	131	161	169	3.6	0.8	0.5	1.21	0.66	2.73
	179.975	34.925	31.75	25.4	7.9	0.8	171	247	1800	2600	40.7	68463/68709	131	138	161	169	7.9	0.8	0.5	1.21	0.66	2.7
	180.975	34.925	31.75	25.4	3.5	3.3	174	254	1800	2600	40	68462/68712	125	135	163	174	3.5	3.3	0.5	1.2	0.66	2.78

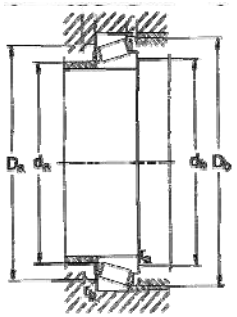
Single-row Taper Roller Bearing

(Inch Series)

WSW





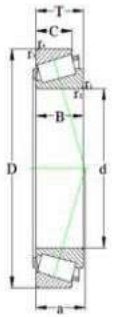


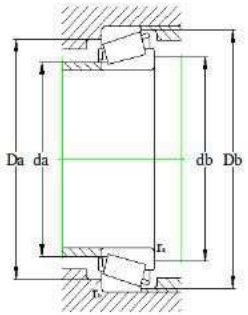
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
117.975	186.975	42.376	45	35.001	5.2	5.2	303	483	1800	2600	38.4	71464/71736	131	133	169	179	5.2	5.2	0.42	1.44	0.79	4.2
119.063	195.263	53.975	57.15	44.45	1.6	3.2	365	599	1700	2500	35.9	HM124646/HM124618	127	136	173	181	9.5	1.6	0.26	2.27	1.25	6.22
119.949	195.263	53.975	57.15	44.45	3	3.2	365	599	1700	2500	35.9	HM124649/HM124618	131	136	173	181	9.5	3	0.26	2.27	1.25	6.14
	204.775	55.563	60.325	45.237	3.2	3.2	412	658	1700	2500	41.1	HM125943/HM125910	131	142	183	192	10.3	3.2	0.3	1.97	1.08	7.48
119.95	230	63.5	68.715	49.213	6.4	3.2	523	826	1700	2500	49.9	95471/95905	138	155	204	216	14.3	6.4	0.37	1.62	0.89	12
119.964	215	47.625	47.625	34.925	3.5	3.3	287	495	1700	2500	48.4	74472/74846X	140	153	195	208	3.5	3.3	0.49	1.2	0.68	7.33
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1700	2500	48.4	74472/74850	140	153	195	209	3.5	3.3	0.49	1.2	0.68	7.42
119.975	166.688	25.4	25.4	19.05	3.2	3.2	137	229	1700	2500	32.9	L724348/L724310	130	131	154	160	3.2	3.2	0.46	1.31	0.72	1.57
	172.242	35.72	36.513	27.783	3.6	1.6	208	362	1700	2500	32.1	M224748/M224711	132	133	159	166	3.6	1.6	0.33	1.8	0.99	2.58
	179.975	36	36	26	3.6	1.6	212	348	1700	2500	35.6	M624649/M624610	132	134	164	171	3.6	1.6	0.41	1.45	0.8	3.02
	254	77.788	82.55	61.913	4	6.4	717	1050	1700	2500	54	HH228336/HH228310	133	158	220	233	4	6.4	0.32	1.87	1.03	18.7
	259.975	77.788	82.55	61.913	4	4	717	1050	1800	2600	54	HH228336/HH228318	133	158	220	233	4	4	0.32	1.87	1.03	19.9
120	170	25.4	25.4	19.05	3.3	3.3	130	219	1800	2600	32.9	JL724348/JL724314	127	135	155	164	3.3	3.3	0.46	1.3	0.72	1.67
	174.625	35.72	36.512	27.783	3.5	1.5	212	385	1800	2600	32.2	M224748/M224710	126	137	162	169	3.5	1.5	0.33	1.8	0.99	2.76
	214.975	47.625	47.625	34.925	4	3.2	322	549	1800	2600	49.7	74473X/74845	133	156	193	205	4	3.2	0.49	1.23	0.68	7.24
	230	53.975	49.428	38.1	3.5	3.3	330	475	1800	2600	67.6	97472X/97905X	134	154	199	220	3.5	3.3	0.74	0.82	0.45	9.27
120.65	160.338	21.433	21.433	16.67	1.5	1.5	92.5	190	1800	2600	29.3	L624549/L624510	127	133	150	155	1.5	1.5	0.44	1.4	0.76	1.18
	166.688	25.4	25.4	19.05	3.2	3.2	137	229	1800	2600	32.9	L724349/L724310	130	132	154	160	3.2	3.2	0.46	1.31	0.72	1.54
	169.862	25.4	26.195	20.638	1.5	1.5	132	265	1800	2600	28	L225842/L225810	129	138	160	162	1	1	0.33	1.8	1	1.85
	169.975	25.4	25.4	19.05	3.2	3.2	137	229	1800	2600	32.9	L724349/L724314	130	130	154	160	3.2	3.2	0.46	1.31	0.72	1.67
	174.625	35.72	36.513	27.783	3.6	1.6	208	362	1800	2600	32.1	M224749/M224710	133	133	159	166	3.6	1.6	0.33	1.8	0.99	2.69
	182.562	39.688	38.1	33.338	3.5	3.3	228	445	1700	2400	34.2	48282/48220	132	132	167	177	3.5	3.3	0.31	2	1.1	3.69
	182.562	39.688	38.1	33.338	3.6	3.2	227	429	1700	2400	34.1	48282/48220XX	133	141	166	173	3.6	3.2	0.31	1.97	1.08	3.6
	190.5	46.038	46.038	34.925	3.5	1.5	314	540	1700	2400	42	HM624749/HM624710	131	135	180	182	3	1	0.43	1.4	0.8	4.85
	199.974	46.038	46.038	34.925	3.6	1.6	313	512	1700	2400	41.6	HM624749/HM624716	133	135	172	182	3.6	1.6	0.43	1.41	0.77	5.43
	206.375	47.625	47.625	34.925	3.3	3.3	320	530	1700	2400	45.7	795/792	149	134	186	199	3.3	3.3	0.46	1.3	0.72	6.35

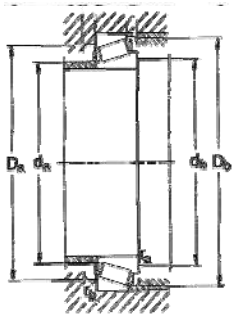
Single-row Taper Roller Bearing

(Inch Series)

WSW





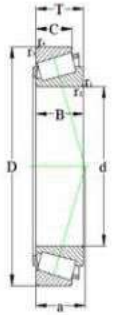


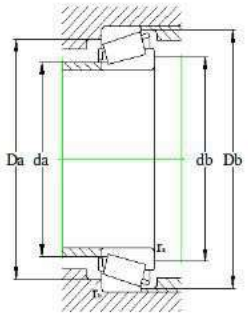
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
120.65	230	63.5	63.5	49.213	6.4	3.2	523	826	1600	2300	49.9	95475/95905	139	155	204	216	6.4	3.2	0.37	1.62	0.89	11.6
	234.95	63.5	63.5	49.212	6.4	3.3	510	790	1600	2300	50.5	95475/95925	159	140	212	226	6.4	3.3	0.37	1.6	0.89	12.3
	254	77.788	82.55	57.15	9.5	6.4	692	1010	1400	1900	51.1	EE153044/153100	145	156	217	230	9.5	6.4	0.32	1.87	1.03	18.4
	254	77.788	82.55	61.913	9.7	6.4	675	975	1400	1900	55	HH228340/HH228310	163	140	223	242	9.7	6.4	0.34	1.8	0.97	18.4
	258.763	77.788	82.55	61.912	9.5	6.4	717	1050	1400	1900	54	HH228340/HH228315	145	158	220	233	9.5	6.4	0.32	1.87	1.03	19.5
	273.05	82.55	82.55	53.975	6.4	6.4	685	870	1300	1800	77	HH926749/HH926710	165	137	234	261	6.4	6.4	0.63	0.95	0.52	21
	279.4	82.55	82.55	53.975	6.4	6.4	685	870	1300	1800	77	HH926749/HH926716	165	137	237	264	6.4	6.4	0.63	0.95	0.52	22.2
123.825	182.562	39.688	38.1	33.338	3.5	3.3	228	445	1300	1800	34.2	48286/48220	143	134	167	177	3.5	3.3	0.31	2	1.1	3.51
	212.725	55.563	60.325	45.237	3.2	3.2	412	658	1300	1800	41.1	HM125948/HM125918	135	142	183	192	3.2	3.2	0.3	1.97	1.08	8.05
	258.763	77.788	82.55	57.15	9.5	6.4	692	1010	1200	1700	51.1	EE153049/153101	148	156	217	230	9.5	6.4	0.32	1.87	1.03	18.8
	259.975	77.788	82.55	61.913	9.5	4	717	1050	1200	1700	54	HH228334/HH228318	148	158	220	233	9.5	4	0.32	1.87	1.03	19.4
124.943	231.775	63.5	63.5	49.213	6.4	3.2	523	826	1200	1700	49.9	95491/95912	143	155	204	216	6.4	3.2	0.37	1.62	0.89	11.5
	234.95	63.5	63.5	49.212	6.4	3.3	510	790	1200	1700	50.5	95491/95925	162	142	212	226	6.4	3.3	0.37	1.6	0.89	11.9
125	175	25.4	25.4	18.288	3.3	3.3	134	232	1200	1700	34.3	JL725346/JL725316	141	131	160	170	3.3	3.3	0.48	1.3	0.69	1.76
125.298	228.6	53.975	49.428	38.1	3.5	3.3	375	530	1800	2600	67.7	HM926745/HM926710	157	138	201	223	3.5	3.3	0.74	0.81	0.45	8.72
	228.6	53.975	49.428	38.1	3.6	3.2	325	459	1800	2600	65.6	97493/97900	138	144	194	212	3.6	3.2	0.74	0.81	0.45	8.37
127	165.895	18.258	17.462	13.495	1.5	1.5	84.5	149	1800	2600	24.2	LL225749/LL225710	138	133	157	161	1.5	1.5	0.33	1.8	0.99	0.93
	169.862	25.4	26.195	20.638	1.5	1.5	123	251	1800	2600	28.1	L225849/L225810	140	134	159	165	1.5	1.5	0.33	1.8	0.99	1.65
	180.975	25.4	26.195	20.638	1.5	1.5	123	251	1700	2400	28.1	L225849/L225818	140	134	165	170	1.5	1.5	0.33	1.8	0.99	2.14
	182.562	39.688	38.1	33.338	3.5	3.3	228	445	1700	2400	34.2	48290/48220	145	135	167	177	3.5	3.3	0.31	2	1.1	3.33
	196.85	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	39.7	67388/67322	150	139	180	192	3.5	3.3	0.34	1.7	0.96	5.2
	203.2	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	39.7	67388/67320	150	139	183	195	3.5	3.3	0.34	1.7	0.96	5.8
	206.375	47.625	47.625	34.925	3.6	3.2	326	548	1600	2200	45.7	796x/793	139	146	183	194	3.6	3.2	0.46	1.31	0.72	5.93
	206.375	47.625	50.013	34.925	3.2	3.2	326	548	1600	2200	45.7	798/792	138	146	183	194	3.3	3.2	0.46	1.31	0.72	6
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74500/74850	157	143	195	209	3.5	3.3	0.49	1.2	0.68	6.91
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74500/74856	157	143	196	210	3.5	3.3	0.49	1.2	0.68	7.06

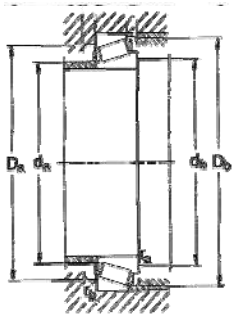
Single-row Taper Roller Bearing

(Inch Series)

WSW





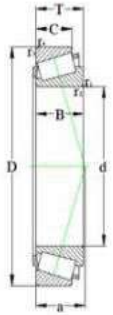


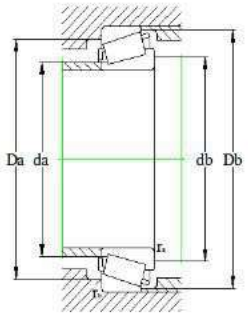
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
								脂润滑	油润滑												参考
d	D	T	B	C	r1.2min r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
127	228.6	53.975	49.428	38.1	3.5 3.3	375	530	1500	2000	67.7	HM926747/HM926710	158	139	201	223	3.5	3.3	0.74	0.81	0.45	8.59
	228.6	53.975	49.428	38.1	3.5 3.3	330	475	1500	2000	67.5	97500/97900	157	137	198	219	3.5	3.3	0.74	0.82	0.45	8.59
	234.95	63.5	63.5	49.212	6.4 3.3	505	790	1500	2000	49.4	95500/95925	160	142	210	224	6.4	3.3	0.37	1.6	0.89	11.8
	234.95	63.5	68.715	49.212	9.7 3.3	505	790	1500	2000	49.5	95502/95925	166	143	210	224	9.7	3.3	0.37	1.6	0.89	12
	239.975	53.975	49.428	38.1	3.6 3.2	430	651	1500	2000	68.1	HM926747/HM926719	139	148	200	219	3.6	3.2	0.74	0.81	0.45	10.3
	247.65	63.5	63.5	47.625	3.3 4.8	465	640	1500	2000	50.1	EE116050/116097	158	143	219	234	3.3	4.8	0.37	1.6	0.9	12.6
	247.65	63.5	63.5	49.212	6.4 3.3	510	790	1500	2000	50.5	95500/95975	163	143	218	233	6.4	3.3	0.37	1.6	0.89	13.5
	254	66.675	66.675	47.625	6.4 3.2	549	913	1400	1900	55	99500/99100	145	174	224	236	6.4	3.2	0.41	1.47	0.81	15.5
	254	77.788	82.55	57.15	9.7 6.4	570	800	1400	1900	53.7	EE153050/153100	167	144	223	240	9.7	6.4	0.32	1.9	1	16.6
	254	77.788	82.55	61.913	9.7 6.4	675	975	1400	1900	55	HH228349/HH228310	166	143	223	242	9.7	6.4	0.34	1.8	0.97	17.6
	254	80.963	85.725	61.912	9.5 6.4	717	1050	1400	1900	54.1	HH228348/HH228310	151	158	220	233	9.5	6.4	0.32	1.87	1.03	18.1
	260.35	77.788	82.55	57.15	9.5 6.4	692	1010	1400	1900	51.1	EE153050/153102	151	156	217	230	9.5	6.4	0.32	1.87	1.03	18.7
	279.4	82.55	82.55	53.975	6.4 6.4	660	909	1400	1900	77.8	EE514050/514110	145	159	228	252	6.4	6.4	0.65	0.92	0.51	22.6
	288.925	82.55	87.312	57.15	13.5 6.4	770	1010	1500	2000	56.3	HH231637/HH231610	179	151	258	275	13.5	6.4	0.32	1.9	1	24.3
	295.275	82.55	87.313	57.15	13.5 6.4	765	1070	1500	2000	61.9	EE540502/541162	159	178	249	264	13.5	6.4	0.4	1.51	0.83	27.1
	295.275	82.55	87.312	57.15	13.5 6.4	770	1010	1500	2000	56.3	HH231637/HH231615	179	151	261	278	13.5	6.4	0.32	1.9	1	25.6
	304.8	60.325	61.912	41.275	6.4 6.4	635	780	1500	2000	49.2	EE750502/751200	174	158	271	285	6.4	6.4	0.33	1.8	0.99	21.4
	304.8	88.9	82.55	57.15	6.4 6.4	652	896	1500	2000	91.9	EE516050/516120	145	179	252	280	6.4	6.4	0.73	0.82	0.45	29.2
	304.8	88.9	82.55	57.15	6.4 6.4	745	1010	1500	2000	92.3	HH932132/HH932110	185	154	262	295	6.4	6.4	0.73	0.82	0.45	29.6
127.792	228.6	53.975	49.428	38.1	3.5 3.3	375	530	1600	2100	67.7	HM926749/HM926710	158	139	201	223	3.5	3.3	0.74	0.81	0.45	8.53
	228.6	53.975	49.428	38.1	3.6 3.2	325	459	1600	2100	65.6	97503/97900	140	144	194	212	3.6	3.2	0.74	0.81	0.45	8.18
128.588	190.5	34.925	31.75	25.4	3.5 3.3	176	325	1700	2200	50.3	48506/48750	150	137	171	184	3.5	3.3	0.65	0.92	0.51	3.24
	206.375	47.625	47.625	34.925	3.3 3.3	320	530	1700	2200	45.7	799/792	153	138	186	199	3.3	3.3	0.46	1.3	0.72	5.77
129.967	234.95	63.5	68.715	49.213	3.2 3.2	523	826	1700	2200	49.9	95514X/95926	141	155	204	216	3.2	3.2	0.37	1.62	0.89	11.6
129.975	234.95	63.5	63.5	49.213	6.4 3.2	523	826	1700	2200	49.9	95512/95925	148	155	204	216	6.4	3.2	0.37	1.62	0.89	11.4
130	206.375	47.625	47.625	34.925	3.5 3.3	320	530	1700	2200	45.7	797/792	153	139	186	199	3.5	3.3	0.46	1.3	0.72	5.66
	215.9	47.625	47.625	34.925	3.6 3.2	322	549	1700	2200	49.7	74511X/74854	142	156	193	205	3.6	3.2	0.49	1.23	0.68	6.6

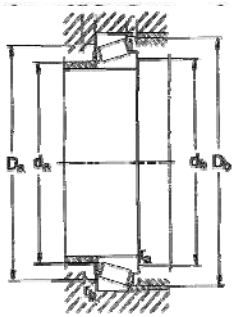
Single-row Taper Roller Bearing

(Inch Series)

WSW





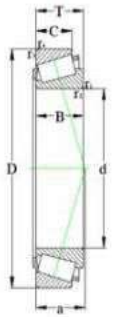


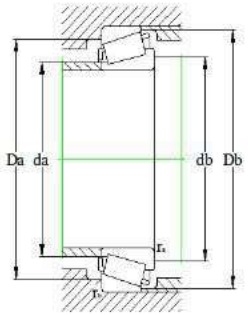
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
130.175	196.85	46.038	46.038	38.1	3.5	3.3	315	560	1700	2200	39.7	67389/67322	152	140	180	192	3.5	3.3	0.34	1.7	0.96	4.97
	203.2	46.038	46.038	38.1	3.5	3.3	315	560	1700	2300	39.7	67389/67320	152	140	183	195	3.5	3.3	0.34	1.7	0.96	5.57
	206.375	47.625	47.625	34.925	3.5	3.3	320	530	1700	2300	45.7	799A/792	154	139	186	199	3.5	3.3	0.46	1.3	0.72	5.65
133.248	190.5	39.688	39.688	33.338	3.6	3.2	236	472	1700	2300	35.9	48384XX/48320XX	145	150	175	182	3.6	3.2	0.32	1.87	1.03	3.58
133.35	177.008	25.4	26.195	20.638	1.5	1.5	124	258	1700	2300	29.5	L327249/L327210	147	141	166	172	1.5	1.5	0.35	1.7	0.95	1.73
	190.5	39.688	39.688	33.338	3.5	3.3	240	485	1700	2400	35.9	48385/48320	153	142	175	185	3.5	3.3	0.32	1.9	1	3.74
	196.85	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	39.7	67390/67322	153	142	180	192	3.5	3.3	0.34	1.7	0.96	4.74
	196.85	46.038	46.038	38.1	8	3.3	315	560	1600	2200	39.7	67391/67322	158	142	180	192	8	3.3	0.34	1.7	0.96	4.7
	203.2	39.688	39.688	33.338	3.5	3.3	240	485	1600	2200	35.9	48385/48328	153	142	182	191	3.5	3.3	0.32	1.9	1	4.76
	203.2	46.038	46.038	38.1	3.5	3.3	315	560	1600	2200	39.7	67390/67320	153	142	183	195	3.5	3.3	0.34	1.7	0.96	5.33
	203.2	46.038	46.038	38.1	8	3.3	315	560	1600	2200	39.7	67391/67320	158	142	183	195	8	3.3	0.34	1.7	0.96	5.29
	203.2	46.038	46.038	46.038	3.6	3.2	311	561	1600	2200	39.7	67390/67324	146	148	182	192	3.6	3.2	0.34	1.74	0.96	5.42
	215	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74525/74846X	160	147	195	208	3.5	3.3	0.49	1.2	0.68	6.34
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74525/74850	160	147	195	209	3.5	3.3	0.49	1.2	0.68	6.42
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74525/74856	160	147	196	210	3.5	3.3	0.49	1.2	0.68	6.57
	234.95	63.5	63.5	49.212	9.7	3.3	510	790	1500	2000	50.5	95525/95925	169	146	212	226	9.7	3.3	0.37	1.6	0.89	11
	234.95	63.5	63.5	49.212	4.8	3.3	510	790	1500	2000	50.5	95528/95925	164	146	212	226	4.8	3.3	0.37	1.6	0.89	11
133.35	234.975	63.5	63.5	49.212	9.7	3.3	510	790	1500	2000	50.5	95525/95928	169	146	212	227	9.7	3.3	0.37	1.6	0.89	11
	234.975	63.5	63.5	49.212	4.8	3.3	510	790	1500	2000	50.5	95528/95928	164	146	212	227	4.8	3.3	0.37	1.6	0.89	11
	234.975	63.5	68.715	49.212	3.2	3.2	523	826	1500	2000	49.9	95529X/95925	145	155	204	216	3.2	3.2	0.37	1.62	0.89	11.3
	234.975	64.798	63.5	49.949	9.5	3.2	523	826	1500	2000	51.2	95525/95929	157	155	204	216	9.5	3.2	0.37	1.62	0.89	11.1
	247.65	63.5	63.5	49.213	13.2	3.2	523	826	1500	2000	49.9	95527A/95975	165	155	204	216	13.2	3.2	0.37	1.62	0.89	12.8
	247.65	63.5	63.5	49.212	9.7	3.3	510	790	1500	2000	50.5	95525/95975	169	146	218	233	9.7	3.3	0.37	1.6	0.89	12.8
	247.65	63.5	63.5	49.212	4.8	3.3	510	790	1500	2000	50.5	95528/95975	164	146	218	233	4.8	3.3	0.37	1.6	0.89	12.9
134.975	215.9	53.975	47.625	47.625	3.6	3.2	322	549	1700	2400	56.1	74529/74853	147	156	193	209	3.6	3.2	0.49	1.23	0.68	6.92
136.525	187.325	28.575	29.37	23.02	1.6	1.6	178	323	1700	2400	31.7	LM328444/LM328410	14.7	151	175	181	1.6	1.6	0.35	1.69	0.93	2.24
	190.5	39.688	39.688	33.338	3.5	3.3	240	485	1700	2400	35.9	48393/48320	154	144	175	185	3.5	3.3	0.32	1.9	1	3.53

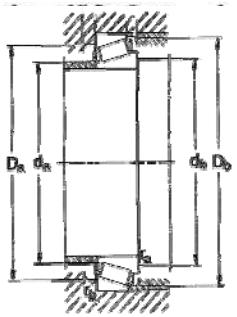
Single-row Taper Roller Bearing

(Inch Series)

WSW





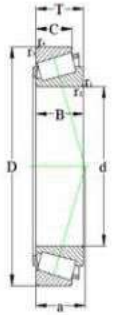


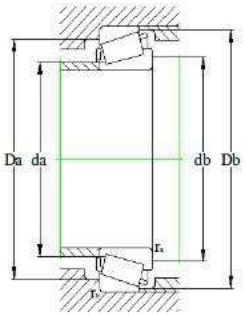
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
136.525	190.5	39.688	39.688	33.338	5.5	3.3	246	500	1700	2400	35	48393A/48320	151	140	176	182	5	3	0.33	1.8	1	3.3
	203.2	39.688	39.688	33.338	3.6	3.2	236	472	1700	2400	35.9	48393/48328	149	150	175	182	3.6	3.2	0.32	1.87	1.03	4.38
	215	47.625	47.625	34.925	3.5	3.3	287	495	1700	2400	48.4	74537/74846X	162	148	195	208	3.5	3.3	0.49	1.2	0.68	6.09
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1700	2400	48.4	74537/74850	162	148	195	209	3.5	3.3	0.49	1.2	0.68	6.17
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1700	2400	48.4	74537/74856	162	148	196	210	3.5	3.3	0.49	1.2	0.68	6.32
	228.6	57.15	57.15	44.45	3.5	3.3	380	620	1600	2300	51.5	896/892	163	149	204	219	3.5	3.3	0.42	1.4	0.78	8.86
	249.975	66.675	66.675	53.401	7.1	3	549	913	1600	2300	55	99537/99097	156	174	225	240	7.1	3	0.41	1.47	0.81	14.1
	254	66.675	66.675	47.625	7	3.3	515	830	1600	2300	55.3	99537/99100	178	157	230	245	7	3.3	0.41	1.5	0.81	14.2
137.317	254	66.675	66.675	47.625	13.5	3.2	549	913	1600	2300	55	99540/99100	169	174	224	236	13.5	3.2	0.41	1.47	0.81	14.3
139.7	180.975	21.433	20.638	16.67	1.5	1.5	104	194	1600	2300	29.8	LL428349/LL428310	152	147	171	176	1.5	1.5	0.37	1.6	0.9	1.36
	187.325	28.575	29.37	23.02	1.5	1.5	153	305	1600	2300	31.7	LM328448/LM328410	155	148	176	182	1.5	1.5	0.36	1.7	0.93	2.26
	200.025	41.275	39.688	34.13	3.6	3.3	246	491	1500	2000	38.6	48680/48620	152	156	183	190	3.6	3.3	0.34	1.78	0.98	4.04
	215	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74550/74846X	163	150	195	208	3.5	3.3	0.49	1.2	0.68	5.83
	215	47.625	47.625	34.925	6.4	3.3	287	495	1500	2000	48.4	74550A/74846X	166	150	195	208	6.4	3.3	0.49	1.2	0.68	5.81
	215	47.625	53.37	34.925	12.7	3.2	322	549	1500	2000	49.7	74555/74846X	170	156	193	205	12.7	3.2	0.49	1.23	0.68	5.77
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1500	2000	48.4	74550/74850	163	150	195	209	3.5	3.3	0.49	1.2	0.68	5.92
	215.9	47.625	47.625	34.925	6.4	3.2	322	549	1500	2000	49.7	74550A/74850	158	156	193	205	6.4	3.2	0.49	1.23	0.68	5.82
	222.25	34.925	31.623	23.812	3.5	3.3	191	267	1400	1900	41.6	73551/73875	162	152	203	211	3.5	3.3	0.44	1.4	0.75	4.25
	228.6	57.15	57.15	44.45	3.5	3.3	380	620	1400	1900	51.5	898/892	165	151	204	219	3.5	3.3	0.42	1.4	0.78	8.55
	228.6	57.15	57.15	44.45	6.4	3.3	380	620	1400	1900	51.5	898A/892	168	151	204	219	6.4	3.3	0.42	1.4	0.78	8.53
	228.6	57.15	58.738	44.45	3.6	3.2	439	730	1400	1900	50.6	899/892	152	157	202	214	3.6	3.2	0.42	1.43	0.78	8.72
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1400	1900	45.9	HM231132/HM231110	168	154	216	228	3.5	3.3	0.32	1.9	1	9.63
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1400	1900	53.7	82550/82931	170	155	213	228	3.5	3.3	0.44	1.4	0.75	9.81
	236.538	57.15	60.325	44.45	3.6	3.2	499	832	1400	1900	45.2	HM231133/HM231110	152	168	213	223	3.6	3.2	0.32	1.88	1.04	10.3
	241.3	57.15	56.642	44.45	3.5	3.3	455	720	1400	1900	45.9	HM231132/HM231115	168	154	218	230	3.5	3.3	0.32	1.9	1	10.3
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1400	1900	53.7	82550/82950	170	155	215	230	3.5	3.3	0.44	1.4	0.75	10.4
	250	66.675	66.675	47.625	7	3.3	515	830	1300	1800	55.3	99550/99098X	179	158	228	243	7	3.3	0.41	1.5	0.81	13.2

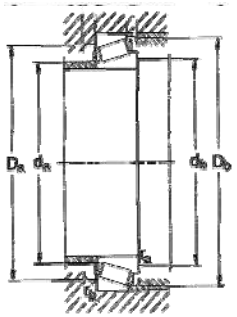
Single-row Taper Roller Bearing

(Inch Series)

WSW





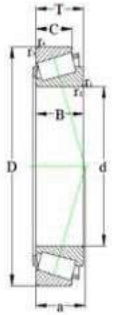


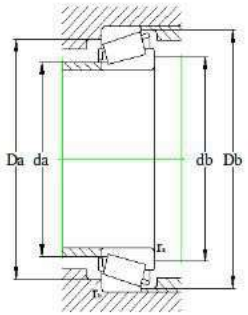
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
139.7	250	66.675	71.438	47.625	3.2	3.2	549	913	1300	1800	55	99549/99098X	151	174	224	236	3.2	3.2	0.41	1.47	0.81	13.9
	254	66.675	66.675	47.625	7	3.3	515	830	1300	1800	55.3	99550/99100	179	158	230	245	7	3.3	0.41	1.5	0.81	13.8
	254	66.675	66.675	47.625	7.1	3.2	549	913	1300	1800	55	99550/99100S	159	174	224	236	7.1	3.2	0.41	1.47	0.81	14.1
	268.288	74.613	74.613	57.15	6.4	6.4	658	1050	1300	1800	59.4	EE107055/107105	158	177	234	249	6.4	6.4	0.39	1.55	0.85	18.8
	288.925	82.55	87.312	57.15	9.7	6.4	770	1010	1300	1800	56.3	HH231649/HH231610	182	158	258	275	9.7	6.4	0.32	1.9	1	22.6
	295.275	82.55	87.313	57.15	9.5	6.4	765	1070	1300	1800	61.9	EE540550/541162	164	178	249	264	9.5	6.4	0.4	1.51	0.83	25.4
	295.275	82.55	87.312	57.15	9.7	6.4	770	1010	1300	1800	56.3	HH231649/HH231615	182	158	261	278	9.7	6.4	0.32	1.9	1	23.9
	304.8	60.325	61.913	41.275	3.2	6.4	599	800	1300	1800	49.8	EE75058/751200	151	192	258	268	3.2	6.4	0.33	1.8	0.99	20.3
	304.8	60.325	61.913	41.275	6.4	6.4	599	800	1300	1800	49.8	EE750562/751200	158	192	258	268	6.4	6.4	0.33	1.8	0.99	20.3
	307.975	88.9	93.662	66.675	9.7	6.8	885	1190	1300	1800	63.2	HH234031/HH234010	191	165	275	294	9.7	6.8	0.33	1.8	1	29.8
	307.975	88.9	93.663	66.675	9.5	6.7	1020	1450	1300	1800	63.3	HH234032/HH234010	164	191	271	285	9.5	6.7	0.33	1.84	1.01	31.6
	311.15	88.9	82.55	57.15	6.4	6.4	652	896	1300	1800	91.9	EE516055/516122	158	179	252	280	6.4	6.4	0.73	0.82	0.45	28.8
	317.5	88.9	93.662	66.675	9.7	6.8	885	1190	1300	1800	63.2	HH234031/HH234018	191	165	279	298	9.7	6.8	0.33	1.8	1	32.2
139.975	215	47.625	47.625	34.925	3.6	3.2	322	549	1200	1700	49.7	74556/74846X	152	156	193	205	3.6	3.2	0.49	1.23	0.68	5.74
139.97	249.975	66.675	71.438	53.401	1.6	3	549	913	1200	1700	55	99553/99097	148	174	225	240	1.6	3	0.41	1.47	0.81	14
140	215	47.625	47.625	34.925	3.5	3.3	287	495	1600	2200	48.4	74551X/74846X	163	150	195	208	3.5	3.3	0.49	1.2	0.68	5.81
	215.9	47.625	47.625	34.925	3.5	3.3	287	495	1600	2200	48.4	74551/74850	163	150	195	209	3.5	3.3	0.49	1.2	0.68	5.89
	217.488	47.625	47.625	34.925	3.5	3.3	287	495	1600	2200	48.4	74551X/74856	163	150	196	210	3.5	3.3	0.49	1.2	0.68	6.04
142.875	193.675	28.575	28.575	23.02	1.6	1.6	187	375	1600	2200	33.7	36686/36620	151	157	180	186	1.6	1.6	0.37	1.63	0.9	2.41
	200.025	41.275	39.688	34.13	8	3.3	227	460	1600	2200	37.6	48684/48620	167	153	185	195	8	3.3	0.34	1.8	0.98	3.77
	200.025	41.275	39.688	34.13	3.5	3.3	227	460	1600	2200	37.6	48685/48620	162	153	185	195	3.5	3.3	0.34	1.8	0.98	3.81
	200.025	41.275	42.863	34.13	3.6	3.3	246	491	1600	2200	38.6	48686/48620	155	156	183	190	3.6	3.3	0.34	1.78	0.98	3.89
	222.25	34.925	31.623	23.813	3.6	3.2	209	302	1600	2200	41.9	73562/73875	155	163	198	205	3.6	3.2	0.44	1.37	0.75	3.2
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1600	2200	45.9	HM231136/HM231110	170	156	216	228	3.5	3.3	0.32	1.9	1	9.32
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1600	2200	53.7	82562/82931	171	156	213	228	3.5	3.3	0.44	1.4	0.75	9.5
	241.3	57.15	56.642	44.45	3.5	3.3	455	720	1600	2200	45.9	HM231136/HM231115	170	156	218	230	3.5	3.3	0.32	1.9	1	9.94
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1600	2200	53.7	82562/82950	171	156	215	230	3.5	3.3	0.44	1.4	0.75	10.1

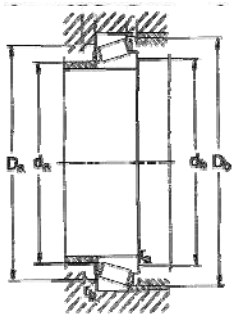
Single-row Taper Roller Bearing

(Inch Series)

WSW





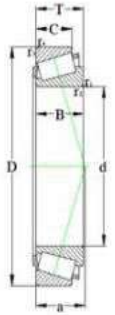


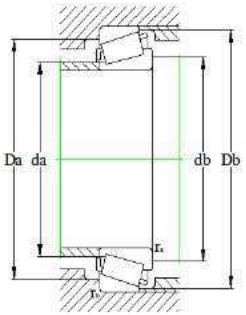
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
146.05	188.12	22.225	20.638	16.67	1.5	1.5	107	200	1600	2200	33.5	LL529749/LL529710	159	153	178	183	1.5	1.5	0.42	1.4	0.79	1.44
	193.675	28.575	28.575	23.02	1.5	1.5	170	355	1600	2200	33.5	36690/36620	161	154	182	188	1.5	1.5	0.37	1.6	0.9	2.36
	193.675	28.575	28.575	23.02	4.8	1.5	170	355	1400	1900	33.5	36691/36620	164	154	182	188	4.8	1.5	0.37	1.6	0.9	2.35
	203.2	28.575	28.575	23.02	1.6	1.6	187	375	1400	1900	33.7	36690/36626	154	157	180	186	1.6	1.6	0.37	1.63	0.9	2.78
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1400	1900	45.9	HM231140/HM231110	171	158	216	228	3.5	3.3	0.32	1.9	1	9
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1400	1900	53.7	82576/82931	173	158	213	228	3.5	3.3	0.44	1.4	0.75	9.18
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1400	1900	53.7	82576/82950	173	158	215	230	3.5	3.3	0.44	1.4	0.75	9.8
146.05	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1400	1900	42.9	81575/81962	175	164	225	235	3.5	3.3	0.35	1.7	0.94	8.28
	254	66.675	66.675	47.625	7	3.3	515	830	1400	1900	55.3	99575/99100	182	162	230	245	7	3.3	0.41	1.5	0.81	13.1
	268.288	74.612	74.612	57.15	6.4	6.4	610	980	1400	1900	59.5	EE107057/107105	184	163	236	256	6.4	6.4	0.39	1.5	0.85	17.6
	285.75	76.2	73.025	55.563	6.4	6.4	588	882	1400	1900	60.4	EE217056/217112	164	186	246	261	6.4	6.4	0.4	1.49	0.82	20
	285.75	76.2	73.025	55.563	1.2	6.4	588	882	1400	1900	60.4	EE217064/217112	154	186	246	261	1.2	6.4	0.4	1.49	0.82	20.1
	304.8	60.325	61.913	41.275	12.7	6.4	599	800	1000	1400	49.8	EE750573/751200	177	192	258	268	12.7	6.4	0.33	1.8	0.99	19.5
	304.8	60.325	61.913	41.275	3.2	6.4	599	800	1000	1400	49.8	EE750576/751200	158	192	258	268	3.2	6.4	0.33	1.8	0.99	19.7
	304.8	60.325	61.913	41.275	6.4	6.4	599	800	1000	1400	49.8	EE750577/751200	164	192	258	268	6.4	6.4	0.33	1.8	0.99	19.6
	304.8	88.9	82.55	57.15	6.4	6.4	652	896	950	1400	91.9	EE516057/516120	164	179	252	280	6.4	6.4	0.73	0.82	0.45	26.5
	304.8	88.9	82.55	57.15	6.4	6.4	745	1010	950	1400	92.3	HH932145/HH932110	195	164	262	295	6.4	6.4	0.73	0.82	0.45	27
	307.975	88.9	93.662	61.912	9.7	6.8	745	1070	950	1400	61.5	EE450577/451212	196	171	271	289	9.7	6.8	0.33	1.8	1	28.8
146.05	307.975	88.9	93.662	66.675	9.7	6.8	885	1190	950	1400	63.2	HH234040/HH234010	194	168	275	294	9.7	6.8	0.33	1.8	1	28.7
	311.15	88.9	82.55	57.15	6.4	6.4	791	1060	950	1400	92.1	HH932145/HH932115	164	177	260	288	6.4	6.4	0.73	0.82	0.45	28.3
	311.15	88.9	82.55	57.15	6.4	6.4	745	1010	950	1400	92.3	HH932145/HH932115	195	164	265	298	6.4	6.4	0.73	0.82	0.45	28.3
	317.5	88.9	93.662	66.675	9.7	6.8	885	1190	950	1400	63.2	HH234040/HH234018	194	168	279	298	9.7	6.8	0.33	1.8	1	31.2
149.225	236.538	57.15	56.642	44.45	6.4	3.3	455	720	1100	1500	45.9	HM231148/HM231110	176	159	216	228	6.4	3.3	0.32	1.9	1	8.65
	236.538	57.15	56.642	44.45	3.5	3.3	455	720	1100	1500	45.9	HM231149/HM231110	173	159	216	228	3.5	3.3	0.32	1.9	1	8.68
	236.538	57.15	56.642	44.45	3.5	3.3	400	680	1100	1500	53.7	82587/82931	175	160	213	228	3.5	3.3	0.44	1.4	0.75	8.85
	241.3	57.15	56.642	44.45	6.4	3.3	455	720	1100	1500	45.9	HM231148/HM231115	176	159	218	230	6.4	3.3	0.32	1.9	1	9.27
	241.3	57.15	56.642	44.45	3.5	3.3	455	720	1100	1500	45.9	HM231149/HM231115	173	159	218	230	3.5	3.3	0.32	1.9	1	9.3
	241.3	57.15	56.642	44.45	3.5	3.3	400	680	1100	1500	53.7	82587/82950	175	160	215	230	3.5	3.3	0.44	1.4	0.75	9.47
	250	66.675	66.675	47.625	7.1	3.2	549	913	1100	1500	55	99587/99098X	168	174	224	236	7.1	3.2	0.41	1.47	0.81	12.4

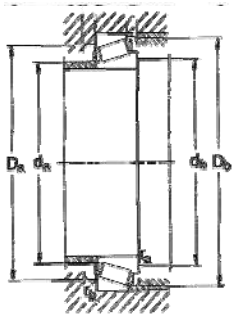
Single-row Taper Roller Bearing

(Inch Series)

WSW





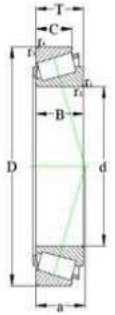


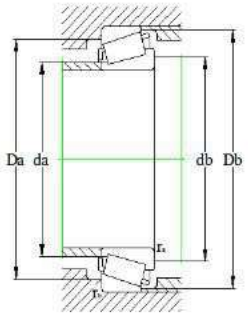
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
149.86	317.5	77.788	76.2	53.975	3.2	4.8	752	1100	1100	1500	69.7	560990/561251	177	201	271	287	3.2	4.8	0.46	1.29	0.71	25.1
149.975	254	66.675	71.438	47.625	3.2	3.2	549	913	1100	1500	55	99591/99100S	161	174	224	236	3.2	3.2	0.41	1.47	0.81	13.2
150	244.475	47.498	50.005	41.275	3.6	3.2	322	494	1200	1600	41.7	81590/81962X	162	177	221	230	3.6	3.2	0.35	1.72	0.95	8.02
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1200	1600	42.9	81590/81962	177	166	225	235	3.5	3.3	0.35	1.7	0.94	7.92
	250	66.675	66.675	47.625	7.1	3.2	549	913	1200	1600	55	99590X/99098X	169	174	224	236	7.1	3.2	0.41	1.47	0.81	12.3
150.698	317.5	77.788	76.2	53.975	17.5	4.8	752	1100	1100	1500	69.7	EE560592/561251	191	201	271	287	17.5	4.8	0.46	1.29	0.71	26.9
150.813	245	47.625	50.005	33.338	3.6	3.2	322	494	1200	1600	41.8	81593/81964	163	177	219	227	3.6	3.2	0.35	1.72	0.95	7.63
152.146	250	66.675	66.675	47.625	7.1	3.2	549	913	1200	1600	55	99599X/99098X	171	174	224	236	7.1	3.2	0.41	1.47	0.81	12.1
152.4	222.25	46.83	46.83	34.925	3.3	1.5	287	530	1500	2000	41.6	M231649/M231610	175	163	207	215	3.3	1.5	0.33	1.8	0.99	5.76
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1500	2000	42.9	81600/81962	178	167	225	235	3.5	3.3	0.35	1.7	0.94	7.7
	250	66.675	66.675	47.625	7.1	3.2	549	913	1500	2000	55	99600/99098X	172	174	224	236	7.1	3.2	0.41	1.47	0.81	12.1
	254	66.675	66.675	47.625	7	3.3	515	830	1300	1800	55.3	99600/99100	185	165	230	245	7	3.3	0.41	1.5	0.81	12.3
	254	66.675	71.438	47.625	1.6	3.2	549	913	1300	1800	55	99603/99100	161	174	224	236	1.6	3.2	0.41	1.47	0.81	12.8
	266.7	66.675	71.438	50.8	6.4	3.2	602	993	1300	1800	52.6	HM234636/HM234610	170	188	240	252	6.4	3.2	0.34	1.78	0.98	15.6
152.4	268.288	74.612	74.612	57.15	6.4	6.4	610	980	1300	1800	59.5	EE107060/107105	187	166	236	256	6.4	6.4	0.39	1.5	0.85	16.7
	268.288	74.613	77.788	57.15	6.4	6.4	658	1050	1300	1800	59.4	107960/107105	170	177	234	249	6.4	6.4	0.39	1.55	0.85	17.2
	269.799	74.612	74.613	57.15	6.4	6.4	658	1050	1300	1800	59.4	EE107060/107107	170	177	234	249	6.4	6.4	0.39	1.55	0.85	17.4
	285.75	76.2	73.025	55.563	1.6	6.4	588	882	1200	1600	60.4	EE217060/217112	161	186	246	261	1.6	6.4	0.4	1.49	0.82	19.2
	307.975	88.9	93.662	61.912	9.7	6.8	745	1070	1200	1600	61.5	EE450601/451212	199	174	271	289	9.7	6.8	0.33	1.8	1	27.7
	307.975	88.9	93.662	66.675	9.7	6.8	885	1190	1200	1600	63.2	HH234048/HH234010	197	171	275	294	9.7	6.8	0.33	1.8	1	27.6
	307.975	88.9	93.663	66.675	9.5	6.7	1020	1450	1200	1600	63.3	HH234049/HH234010	176	191	271	285	9.5	6.7	0.33	1.84	1.01	29.4
	317.5	88.9	93.662	66.675	9.7	6.8	885	1190	1200	1600	63.2	HH234048/HH234018	197	171	279	298	9.7	6.8	0.33	1.8	1	30.1
	323.85	77.788	76.2	53.975	17.5	4.8	752	1100	1200	1600	69.7	EE560600/561279	192	201	271	287	17.5	4.8	0.46	1.29	0.71	28
153.988	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1300	1800	42.9	81606/81962	179	168	225	235	3.5	3.3	0.35	1.7	0.94	7.55
	244.475	47.625	50.005	33.338	3.6	3.2	322	494	1300	1800	41.8	81606/81962	166	177	219	227	3.6	3.2	0.35	1.72	0.95	7.29

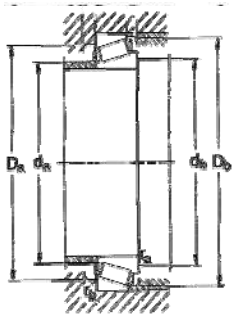
Single-row Taper Roller Bearing

(Inch Series)

WSW





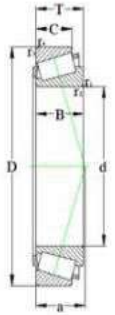


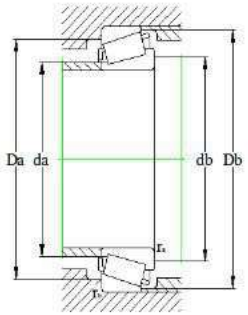
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
155.575	330.2	85.725	79.375	53.975	6.4	6.4	760	1060	1200	1600	103.3	H936340/H936310	209	178	283	317	6.4	6.4	0.81	0.74	0.41	32.5
	342.9	85.725	79.375	53.975	6.4	6.4	760	1060	1200	1600	103.3	H936340/H936316	209	178	289	323	6.4	6.4	0.81	0.74	0.41	35.3
158.75	205.583	23.812	23.812	18.258	4.8	1.5	138	280	1500	2000	33	L432348/L432310	176	173	198	197	4.4	1.5	0.37	1.6	0.9	1.9
	205.583	23.813	23.813	18.258	4.8	1.6	131	253	1500	2000	33.4	L432348/L432310XX	173	172	193	197	4.8	1.6	0.37	1.6	0.88	1.86
	205.583	23.812	23.812	18.258	1.5	1.5	127	249	1500	2000	33.9	L432349/L432310	173	167	195	200	1.5	1.5	0.39	1.5	0.84	1.99
	225.425	41.275	39.688	33.338	3.5	3.3	240	540	1400	1900	44.3	46780/46720	183	172	208	219	3.5	3.3	0.38	1.6	0.86	5.34
	285.75	76.2	73.025	55.563	13.5	6.4	588	882	1400	1900	60.4	EE217062X/217112	191	186	246	261	13.5	6.4	0.4	1.49	0.82	18.2
	304.8	66.675	69.106	42.863	6.4	3.2	548	802	1400	1900	54.4	EE280626/281200	177	211	271	282	6.4	3.2	0.36	1.67	0.92	20
159.512	266.7	66.675	71.438	50.8	1.6	3.2	602	993	1400	1900	52.6	HM234643/HM234612	168	188	240	252	1.6	3.2	0.34	1.78	0.98	14.6
159.918	317.5	77.788	76.2	53.975	10.4	4.8	752	1100	1400	1900	69.7	EE560629/561251	186	201	271	287	10.4	4.8	0.46	1.29	0.71	25.8
159.951	244.475	47.625	46.83	33.338	3.6	3.2	322	494	1400	1900	41.8	81630/81962	172	177	219	227	3.6	3.2	0.35	1.72	0.95	6.62
	244.475	47.625	50.005	33.338	3.5	3.3	330	510	1400	1900	42.9	81629/81962	182	171	225	235	3.5	3.3	0.35	1.7	0.94	6.97
160	240	46	44.501	37	3	2.5	353	666	1400	1900	50.1	JM734445/JM734410	171	184	221	231	3	2.5	0.44	1.37	0.75	7.19
160.325	288.925	63.5	63.5	47.625	7	3.3	615	935	1300	1800	52.7	HM237532/HM237510	202	183	266	278	7	3.3	0.32	1.9	1	17
160.338	317.5	77.788	76.2	53.975	11.2	4.8	752	1100	1300	1800	69.7	EE560631X/561251	188	201	271	287	11.2	4.8	0.46	1.29	0.71	25.7
161.925	244.475	47.625	46.83	33.338	3.5	3.3	330	510	1300	1800	42.9	81637/81962	183	172	225	235	3.5	3.3	0.35	1.7	0.94	6.67
	336.55	79.375	80.963	53.975	6.4	6.4	757	1100	1300	1800	75.7	EE590638/591326	180	213	286	303	6.4	6.4	0.49	1.22	0.67	30.7
	336.55	79.375	80.963	53.975	6.4	6.4	757	1100	1300	1800	75.7	590938/591326	180	213	286	303	6.4	6.4	0.49	1.22	0.67	30.7
	374.65	87.312	79.375	60.325	6.4	3.3	855	1090	1300	1800	98.6	EE117063/117148	217	188	325	355	6.4	3.3	0.71	0.85	0.47	42.2
164.975	288.925	63.5	68	47.625	7.1	3.2	628	973	1300	1800	52.2	HM237537/HM237510	184	203	260	270	7.1	3.2	0.32		1.04	16.7
165.1	215.9	26.195	26.195	20.638	1.5	1.5	154	295	1400	1900	34.5	L433749/L433710	180	173	204	210	1.5	1.5	0.36	1.7	0.91	2.45
	225.425	41.275	39.688	33.338	3.5	3.3	240	540	1400	1900	44.3	46790/46720	186	175	208	219	3.5	3.3	0.38	1.6	0.86	4.84
	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1400	1900	52.4	67780/67720	194	180	228	241	3.5	3.3	0.44	1.4	0.75	8.16
	254	46.038	46.038	33.338	4.8	3.3	340	535	1400	1900	44.9	86650/86100	191	178	235	246	4.8	3.3	0.37	1.6	0.89	7.56

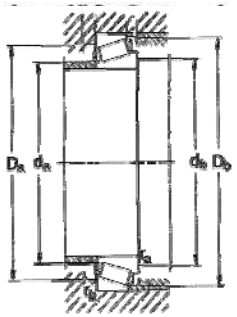
Single-row Taper Roller Bearing

(Inch Series)

WSW





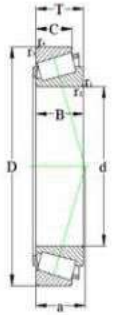


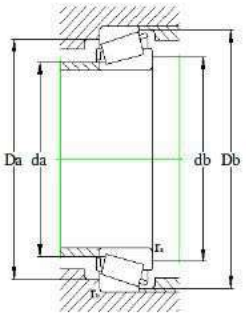
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
165.1	254	465.038	46.038	33.338	4.8	3.3	370	595	1400	1900	41.9	M235145/M235113	191	178	235	245	4.8	3.3	0.32	1.9	1	7.72
	254	49.213	52.388	33.338	4.8	3.2	378	620	1400	1900	41.6	M235144/M235113	180	191	232	239	4.8	3.2	0.32	1.88	1.04	8.34
	260.35	53.975	58.738	41.275	1.6	3.2	467	812	1400	1900	45	HM235148/HM235118	173	189	232	241	1.6	3.2	0.32	1.88	1.04	10.6
	266.7	66.675	71.438	50.8	1.6	3.2	602	993	1400	1900	52.6	HM234648/HM234610	173	188	240	252	1.6	3.2	0.34	1.78	0.98	13.9
	288.925	63.5	63.5	47.625	7	3.3	615	935	1300	1800	52.7	HM237535/HM237510	204	185	266	278	7	3.3	0.32	1.9	1	16.4
	288.925	63.5	63.5	47.625	7.1	3.2	628	973	1300	1800	52.2	HM237536/HM237511	184	203	260	270	7.1	3.2	0.32	1.88	1.04	16.4
	288.925	63.5	63.5	47.625	7	3.3	545	940	1300	1800	62.6	94649/94113	206	185	261	277	7	3.3	0.47	1.3	0.7	17.2
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1300	1800	63.2	94650/94113A	184	203	255	270	7.1	3.2	0.47	1.28	0.7	17
	288.925	63.5	68.263	47.625	3.2	3.2	628	973	1300	1800	52.2	HM237534/HM237511	177	203	260	270	3.2	3.2	0.32	1.88	1.04	16.8
	289.975	63.5	63.5	48	7.1	3	628	973	1300	1800	52.2	HM237535/HM237513	184	203	260	270	7.1	3	0.32	1.88	1.04	16.6
	298.45	82.55	82.55	63.5	6.4	6.4	716	1130	1300	1800	67	EE219065/219117	183	202	264	280	6.4	6.4	0.38	1.59	0.88	23.4
	298.45	63.5	63.5	47.625	7	3.3	545	940	1300	1800	62.6	94649/94118	206	185	265	282	7	3.3	0.47	1.3	0.7	18.8
	311.15	82.55	82.55	63.5	6.4	6.4	770	1230	1200	1600	65.8	EE219065/219122	206	185	274	295	6.4	6.4	0.38	1.6	0.88	26.3
	311.15	82.55	82.55	65.088	6.4	6.4	835	1280	1200	1600	63.9	H238140/H238110	208	187	279	298	6.4	6.4	0.33	1.8	1	26.5
	317.5	77.788	76.2	53.975	3.2	4.8	752	1100	1200	1600	69.7	EE560650/561251	177	201	271	287	3.2	4.8	0.46	1.29	0.71	25.1
	317.5	77.788	76.2	53.975	3.2	4.8	752	1100	1200	1600	69.7	560950/561251	177	201	271	287	3.2	4.8	0.46	1.29	0.71	25.1
	323.85	77.788	76.2	53.975	3.2	4.8	752	1100	1200	1600	69.7	560950/561279	177	201	271	287	3.2	4.8	0.46	1.29	0.71	26.4
	336.55	79.375	80.962	53.975	17.5	6.4	757	1100	1200	1600	75.7	EE590650/591326	205	213	286	303	17.5	6.4	0.49	1.22	0.67	30
	336.55	92.075	95.25	69.85	3.3	6.4	990	1380	1100	1400	70.8	HH437549/HH437510	206	185	297	320	3.3	6.4	0.37	1.6	0.89	35
	342.9	79.375	80.962	53.975	1.2	6.4	757	1100	1100	1400	75.7	EE590649/591350	173	213	286	303	1.2	6.4	0.49	1.22	0.67	31.7
	360	92.075	88.897	63.5	9.7	3.3	875	1340	1100	1400	78.9	EE420651/421417	234	208	329	349	9.7	3.3	0.42	1.4	0.79	42.1
	361.95	106.362	104.775	76.2	13.5	3.3	1240	1690	1100	1400	73.4	EE108065/108142	220	188	323	342	13.5	3.3	0.33	1.8	0.99	48.5
166.688	225.425	41.275	39.688	33.338	3.6	3.2	258	568	1300	1800	4	46792R/46720	179	181	207	215	3.6	3.2	0.38	1.57	0.86	4.46
	225.425	41.275	39.688	33.338	3.5	3.3	240	540	1300	1800	44.3	46792/46720	187	176	208	219	3.5	3.3	0.38	1.6	0.86	4.71
167.945	254	49.213	53.975	33.338	4.8	3.2	378	620	1300	1800	41.6	M235147X/M235113	183	191	232	239	4.8	3.2	0.32	1.88	1.04	8.1
168.275	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1300	1800	52.4	67782/67720	195	182	228	241	3.5	3.3	0.44	1.4	0.75	7.85
	254	46.038	50.8	33.338	3.2	3.2	378	620	1300	1800	41.5	M235147/M235113	180	191	232	239	3.2	3.2	0.32	1.88	1.04	7.79

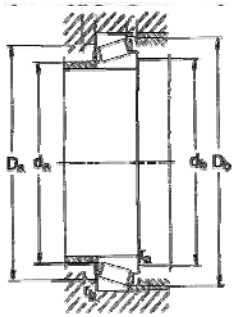
Single-row Taper Roller Bearing

(Inch Series)

WSW





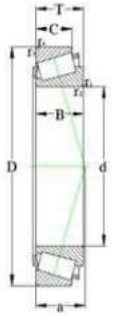


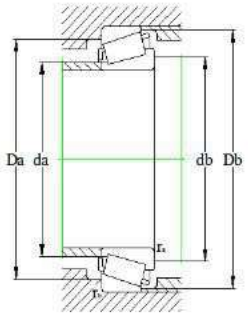
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
168.275	330.2	85.725	79.375	53.975	6.4	6.4	760	1060	1300	1800	103.3	H936349/H936310	216	184	283	317	6.4	6.4	0.81	0.74	0.41	30.5
	342.9	85.725	79.375	53.975	6.4	6.4	760	1060	1300	1800	103.3	H936349/H936316	216	184	289	323	6.4	6.4	0.81	0.74	0.41	33.3
169.977	260.35	66.675	66.675	52.388	3.6	3.2	538	1030	1300	1800	58	HM535347/HM535310	182	189	234	248	3.6	3.2	0.4	1.49	0.82	12.4
169.984	298.45	63.5	63.5	47.625	7.1	3.2	550	960	1300	1800	63.2	94669/94118	189	203	25	270	7.1	3.2	0.47	1.28	0.7	18
170	230	39	38	31	3	2.5	278	520	1300	1800	43.2	JHM534149/JHM534110	188	177	215	225	3	2.5	0.38	1.6	0.86	4.41
	240	46.038	44.5	37	3	2.5	380	720	1300	1800	50.5	JM734449/JM734410	191	178	222	234	3	2.5	0.44	1.4	0.75	6.44
	254	46.038	46.038	33.338	4.8	3.3	370	595	1300	1800	41.9	M235149/M235113	194	180	235	245	4.8	3.3	0.32	1.9	1	7.26
	254	46.038	46.038	33.338	4.8	3.3	340	535	1300	1800	44.9	86669/86100	194	181	235	246	4.8	3.3	0.37	1.6	0.89	7.09
	266.7	46.038	46.038	33.338	4.8	1.6	336	531	1300	1800	44.9	86669/86105	185	189	230	238	4.8	1.6	0.37	1.63	0.9	8.36
171.45	222.25	25.4	24.608	19.05	1.6	1.6	157	299	1300	1800	36	L435049/L435010	180	185	208	213	1.6	1.6	0.38	1.6	0.88	2.33
	260.35	66.675	66.675	52.388	3.5	3.3	540	1030	1300	1800	57.6	HM535349/HM535310	198	182	236	252	3.5	3.3	0.4	1.5	0.82	12.5
	288.925	63.5	63.5	47.625	7.1	3.2	628	973	1200	1600	52.2	HM237540/HM237510	191	203	260	270	7.1	3.2	0.32	1.88	1.04	15.5
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1200	1600	63.2	94675/94113A	191	203	255	270	7.1	3.2	0.47	1.28	0.7	16.2
	288.925	63.5	63.5	47.625	7	3.3	545	940	1200	1600	62.6	94675/94113	209	189	261	277	7	3.3	0.47	1.3	0.7	16.3
	298.45	63.5	63.5	47.625	7	3.3	545	940	1200	1600	62.6	94675/94118	209	189	265	282	7	3.3	0.47	1.3	0.7	18
171.45	336.55	79.375	80.963	53.975	6.4	6.4	757	1100	1100	1600	75.7	EE590675/591326	189	213	286	303	6.4	6.4	0.49	1.22	0.67	29.2
	342.9	79.375	80.963	53.975	6.4	6.4	757	1100	1100	1600	75.7	EE590675/591350	189	213	286	303	6.4	6.4	0.49	1.22	0.67	30.6
	342.9	79.375	84.138	53.975	1.2	6.4	757	1100	1100	1600	75.7	590977/591350	179	213	286	303	1.2	6.4	0.49	1.22	0.67	30.9
	374.65	87.313	79.375	60.325	6.4	3.2	868	1220	1100	1600	103.7	EE117067/117148	189	218	308	338	6.4	3.2	0.73	0.82	0.45	42.2
174.625	247.65	47.625	47.625	38.1	7.9	3.2	346	701	1100	1600	52.3	67786/67720	195	192	227	238	7.9	3.2	0.44	1.36	0.75	6.93
	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1100	1600	52.4	67787/67720	199	185	228	241	3.5	3.3	0.44	1.4	0.75	7.21
	260.35	53.975	53.975	41.275	3.6	3.2	442	821	1100	1600	48.4	M236845/M236810	187	198	238	247	3.6	3.2	0.33	1.8	0.99	9.31
	288.925	63.5	63.5	47.625	7	3.3	615	935	1100	1600	52.7	HM237542/HM237510	209	190	266	278	7	3.3	0.32	1.9	1	15.2
	288.925	63.5	63.5	47.625	7	3.3	545	940	1100	1600	62.6	94687/94113	211	190	261	277	7	3.3	0.47	1.3	0.7	15.9
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1100	1600	63.2	94687/94113A	194	203	255	270	7.1	3.2	0.47	1.28	0.7	15.8
	298.45	63.5	63.5	47.625	7	3.3	545	940	1100	1600	62.6	94687/94118	211	190	265	282	7	3.3	0.47	1.3	0.7	17.5

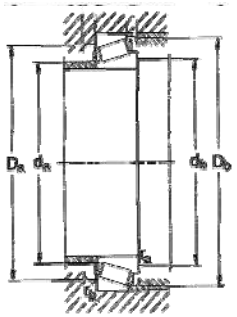
Single-row Taper Roller Bearing

(Inch Series)

WSW





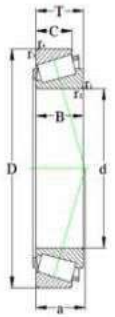


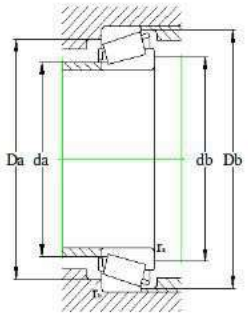
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
174.625	298.45	82.55	82.55	63.5	6.4	6.4	795	1290	1100	1600	66.4	EE219068/219117	211	190	267	288	6.4	6.4	0.38	1.6	0.88	22.1
	311.15	82.55	82.55	63.5	6.4	6.4	716	1130	1000	1500	67	EE219068/219122	192	202	264	280	6.4	6.4	0.38	1.59	0.88	24.7
	311.15	82.55	82.55	65.088	6.4	6.4	835	1280	1000	1500	63.9	H238148/H238110	212	191	279	298	6.4	6.4	0.33	1.8	1	24.9
177.292	355.6	79.375	77.788	53.975	6.4	6.4	754	1090	1000	1500	83.8	EE607071/607140	195	228	305	324	6.4	6.4	0.55	1.1	0.6	32.8
177.8	215.9	20.638	20.638	15.083	1.5	1.5	109	241	1200	1600	38.5	LL735449/LL735410	190	184	206	211	1.5	1.5	0.45	1.3	0.73	1.51
	227.012	30.162	30.162	23.02	1.5	1.5	181	415	1300	1800	42.9	36990/36920	193	185	214	222	1.5	1.5	0.44	1.4	0.75	3.01
	247.65	47.625	47.625	38.1	3.5	3.3	345	705	1300	1800	52.4	67790/67720	200	186	228	241	3.5	3.3	0.44	1.4	0.75	6.88
	247.65	47.625	47.625	38.1	10.4	3.3	345	705	1300	1800	52.4	67791/67720	207	186	228	241	10.4	3.3	0.44	1.4	0.75	6.79
	260.35	53.975	53.975	41.275	7.9	3.2	442	821	1300	1800	48.4	M236848/M236810	199	198	238	247	7.9	3.2	0.33	1.8	0.99	8.9
	260.35	53.975	53.975	41.275	3.5	3.3	455	835	1200	1700	47.5	M236849/M236810	201	189	241	252	3.5	3.3	0.33	1.8	0.99	9.35
	269.875	55.562	55.562	42.862	3.5	3.3	465	875	1200	1700	51.1	M238840/M238810	208	194	250	262	3.5	3.3	0.35	1.7	0.95	11.1
	279.4	61.913	61.913	43.655	3.2	3.2	483	821	1200	1700	65.6	82680X/82620	189	201	251	267	3.2	3.2	0.52	1.14	0.63	12.8
	285.75	63.5	63.5	41.275	6.4	3.3	450	725	1200	1700	58.9	EE91702/91112	210	193	260	274	6.4	3.3	0.43	1.4	0.77	13.7
	288.925	63.5	63.5	47.625	7	3.3	615	935	1200	1700	52.7	HM237545/HM237510	210	191	266	278	7	3.3	0.32	1.9	1	14.7
	288.925	63.5	63.5	47.625	7	3.3	545	940	1200	1700	62.6	94700/94113	213	192	261	277	7	3.3	0.47	1.3	0.7	15.5
	288.925	63.5	63.5	47.625	7.1	3.2	550	960	1200	1700	63.2	94700/94113A	197	203	255	270	7.1	3.2	0.47	1.28	0.7	15.3
	289.974	63.5	63.5	48	7	3	680	1070	1200	1700		HM237545/HM237513	205	194	267	272	7	3	0.32	1.88	1.04	14.6
	289.975	63.5	68.263	48	3.2	3	628	973	1200	1700	52.2	HM237543/HM237513	189	203	260	270	3.2	3	0.32	1.88	1.04	15.2
	304.8	60.325	63.5	42.863	1.6	3.2	548	802	1100	1500	54.4	280970/281200	186	211	271	282	1.6	3.2	0.36	1.67	0.92	16.4
	304.8	66.675	69.106	42.863	6.4	3.2	548	802	1100	1500	54.4	EE280702/281202	196	211	271	282	6.4	3.2	0.36	1.67	0.92	17.3
	304.8	66.675	69.106	42.862	6.4	3.3	555	810	1100	1500	54.3	EE280702/281200	214	196	280	292	6.4	3.3	0.36	1.7	0.92	17.4
	311.15	82.55	85.725	65.088	6.4	6.4	862	1340	1100	1500	64.3	H238147/H238110	196	207	273	288	6.4	6.4	0.33	1.82	1	24.9
	319.964	88.9	85.725	65.088	3.5	4.8	790	1300	1100	1500	72.6	EE222070/222126	218	199	287	307	3.5	4.8	0.4	1.5	0.83	28.4
	319.964	88.9	85.725	65.088	3.5	4.8	855	1270	1100	1500	66.3	H239640/H239610	215	197	292	309	3.5	4.8	0.32	1.9	1	26.9
	320.675	88.9	85.725	65.088	3.5	4.8	790	1300	1100	1500	72.6	EE222070/222128	218	199	287	308	3.5	4.8	0.4	1.5	0.83	28.6
	320.675	88.9	85.725	65.088	3.5	4.8	855	1270	1100	1500	66.3	H239640/H239612	215	197	292	309	3.5	4.8	0.32	1.9	1	27
	327.025	90.488	92.075	63.5	6.4	6.4	930	1500	1000	1500	68.6	EE470078/470128	223	200	294	315	6.4	6.4	0.37	1.6	0.9	31
	327.025	90.488	92.075	63.5	9.5	6.4	864	1430	1000	1500	68.3	EE470078X/470128	202	224	290	305	9.5	6.4	0.37	1.63	0.9	31

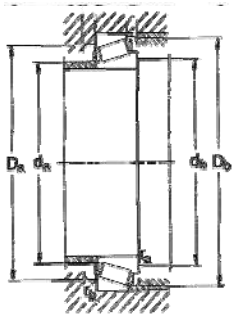
Single-row Taper Roller Bearing

(Inch Series)

WSW





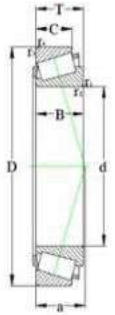


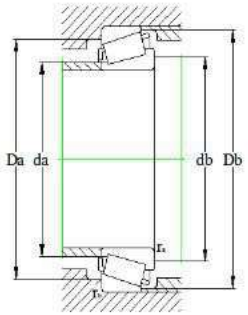
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
177.8	327.025	90.488	92.075	63.5	6.4	6.4	864	1430	1000	1500	68.3	470978/470128	196	224	290	305	6.4	6.4	0.37	1.63	0.9	31.1
	336.55	79.375	80.963	53.975	3.2	6.4	757	1100	1000	1500	75.7	590900/591326	189	213	286	303	3.2	6.4	0.49	1.22	0.67	28.1
	336.55	90.488	92.075	63.5	13.5	6.4	864	1430	1000	1500	68.3	EE470073/470132	210	224	290	305	13.5	6.4	0.37	1.63	0.9	33.4
	355.6	79.375	77.788	53.975	6.4	6.4	754	1090	1000	1500	83.8	EE607070/607140	196	228	305	324	6.4	6.4	0.55	1.1	0.6	32.7
	360	92.075	88.897	63.5	12.7	3.2	938	1460	1000	1500	75.6	EE420701/421417	208	243	317	334	12.7	3.2	0.4	1.49	0.82	40.5
	365.049	92.075	88.897	63.5	12.7	3.3	875	1340	1000	1500	78.9	EE420701/421437	243	214	332	351	12.7	3.3	0.42	1.4	0.79	41.1
	368.3	92.075	88.897	63.5	12.7	3.3	875	1340	1000	1500	78.9	EE420701/421450	243	214	333	353	12.7	3.3	0.42	1.4	0.79	42
	428.625	106.362	95.25	61.912	6.4	6.4	1070	1390	1000	1500	118.7	EE350701/351687	196	237	350	382	6.4	6.4	0.76	0.79	0.44	64.6
178.595	265.112	51.595	57.15	38.895	3.3	3.3	495	880	1200	1700	47	M336948/M336912	194	196	250	251	3	3	0.33	1.8	1	9.6
179.934	265.112	51.595	57.15	38.895	3.3	3.3	495	880	1200	1700	47	M336949/M336912	194	196	250	251	3	3	0.33	1.8	1	9.6
179.972	317.5	63.5	63.5	46.038	3.5	3.3	575	1060	1200	1700	71	93708/93125	224	206	288	306	3.5	3.3	0.52	1.1	0.63	21.2
	317.5	68.262	63.5	50.8	3.5	3.3	575	1060	1200	1700	75.8	93708/93126	224	206	286	306	3.5	3.3	0.52	1.1	0.63	22.1
179.975	317.5	63.5	63.5	46.038	3.6	3.2	604	1130	1200	1700	71.4	93708/93125	192	227	278	295	3.6	3.2	0.52	1.15	0.63	20.8
179.997	266.7	47.099	46	38.1	6.4	3.2	339	703	1200	1700	57.8	67875/67820	198	211	245	257	6.4	3.2	0.48	1.26	0.69	8.87
180	250	47	45	37	3	2.5	369	695	1200	1700	56	JM736149/JM736110	192	192	240	243	2.5	2.5	0.48	1.25	0.7	6.65
	288.925	63.5	68.262	47.625	7	3.2	628	973	1200	1700	52.2	HM237547/HM237510	199	203	260	270	7	3.2	0.32	1.88	1.04	14.6
180.975	269.875	55.563	55.563	42.863	1.6	3.2	411	805	1100	1600	49.9	M238843/M238810	189	209	246	255	1.6	3.2	0.33	1.8	0.99	10.5
184.15	236.538	26.192	25.4	19.05	1.5	1.5	155	291	1100	1600	38	LL537649/LL537610	199	193	225	230	1.5	1.5	0.37	1.6	0.89	2.66
	266.7	47.625	46.833	38.1	3.5	3.3	345	720	1100	1600	57.9	67883/67820	212	198	246	260	3.5	3.3	0.48	1.3	0.69	8.73
	279.997	46.525	46.833	36	3.6	3.2	339	703	1100	1600	56.7	67883/67830	196	211	245	257	3.6	3.2	0.48	1.26	0.69	10
187.325	266.7	47.625	46.833	38.1	3.5	3.3	345	720	1100	1600	57.9	67884/67820	214	200	246	260	3.5	3.3	0.48	1.3	0.69	8.39
	269.875	55.562	55.562	42.862	3.5	3.3	490	920	1100	1600	49.6	M238849/M238810	211	198	250	261	3.5	3.3	0.33	1.8	0.99	10.1
	282.575	50.8	47.625	36.512	3.5	3.3	360	600	1100	1600	54.8	87737/87111	215	202	262	274	3.5	3.3	0.42	1.4	0.79	9.94
	289.992	46.525	46.833	36	3.6	3.2	339	703	1100	1600	56.7	67884/67835	200	211	245	257	3.6	3.2	0.48	1.26	0.69	10.9
	319.964	88.9	85.725	65.088	5.5	4.8	855	1270	1100	1600	66.3	H239649/H239610	222	202	292	309	5.5	4.8	0.32	1.9	1	25

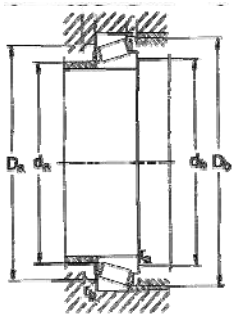
Single-row Taper Roller Bearing

(Inch Series)

WSW





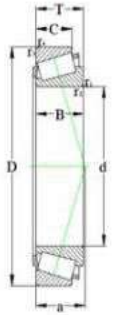


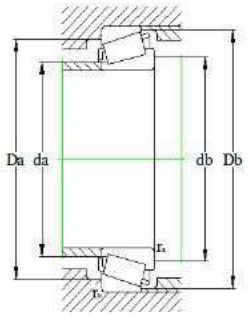
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
187.325	320.675	88.9	85.725	65.088	5.5	4.8	855	1270	1100	1600	66.3	H239649/H239612	222	202	292	309	5.5	4.8	0.32	1.9	1	25.2
189.738	279.4	52.388	57.15	41.275	3.3	3.3	523	980	1100	1600	49	M239447/M239410	202	212	266	266	3	3	0.33	1.8	1	11
190	260	46	44	36.5	3	2.5	370	730	1100	1600	56.4	JM738249/JM738210	212	198	241	255	3	2.5	0.48	1.3	0.69	6.94
190.078	266.7	47.099	46	38.1	6.4	3.2	339	703	1100	1600	57.8	67886/67820	208	211	245	257	6.4	3.2	0.48	1.26	0.69	7.82
190.475	279.4	52.388	57.15	41.275	3.3	3.3	523	980	1100	1600	49	M239449/M239410	203	212	266	266	3	3	0.33	1.8	1	11
190.5	266.7	47.625	46.833	38.1	3.5	3.3	345	720	1100	1600	57.9	67885/67820	215	202	246	260	3.5	3.3	0.48	1.3	0.69	8.04
	282.575	50.8	47.625	36.512	3.5	3.3	360	600	1100	1600	54.8	87750/87111	217	204	262	274	3.5	3.3	0.42	1.4	0.79	9.59
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1000	1500	71	93750/93125	231	211	288	306	4.3	3.3	0.52	1.1	0.63	19.7
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1000	1500	75.8	93750/93126	231	211	286	306	4.3	3.3	0.52	1.1	0.63	20.6
	327.025	90.488	92.075	63.5	6.4	6.4	930	1500	1000	1500	68.6	EE470075/470128	229	206	294	315	6.4	6.4	0.37	1.6	0.9	28.3
	330.2	82.551	84.138	63.5	4.8	6.4	864	1430	1000	1500	68.4	470975/470130	205	224	290	305	4.8	6.4	0.37	1.63	0.9	27.9
	336.55	98.425	95.25	73.025	6.4	6.4	940	1600	1000	1500	93.7	HH840249/HH840210	237	205	292	325	6.4	6.4	0.58	1	0.57	35.7
	339.725	82.551	84.138	63.5	4.8	6.4	864	1430	1000	1500	68.4	470975/470133	205	224	290	305	4.8	6.4	0.37	1.63	0.9	30.4
	339.725	90.488	92.075	63.5	6.4	6.4	864	1430	1000	1500	68.3	EE470075/470133	208	224	290	305	6.4	6.4	0.37	1.63	0.9	31.7
	355.6	79.375	77.788	53.975	6.4	6.4	754	1090	1000	1500	83.8	EE607075/607140	208	228	305	324	6.4	6.4	0.55	1.1	0.6	30.5
	365.049	92.075	88.897	63.5	6.4	3.3	975	1600	1000	1500		EE420751/421437	227	218	329	334	6.4	3.3	0.4	1.49	0.82	42.9
	368.3	92.075	88.897	63.5	6.4	3.3	875	1340	1000	1500	78.9	EE420751/421450	243	220	333	353	6.4	3.3	0.42	1.4	0.79	39.6
	428.625	106.362	95.25	61.912	6.4	6.4	1140	1400	950	1400	119	EE350750/351687	246	213	369	405	6.4	6.4	0.76	0.79	0.44	57.9
191.237	279.4	53.975	58.738	41.275	3.3	3.3	523	980	1100	1600	49	M239448A/M239410	204	212	265	266	3	3	0.33	1.8	1	10.5
192.088	266.7	47.625	46.833	38.1	10.4	3.2	339	703	1100	1600	57.8	67887/67820	218	211	245	257	10.4	3.2	0.48	1.26	0.69	7.6
193.675	282.575	50.8	47.625	36.512	3.5	3.3	360	600	1100	1600	54.8	87762/87111	218	205	262	274	3.5	3.3	0.42	1.4	0.79	9.23
194.975	266.7	47.625	46.833	38.1	3.6	3.2	339	703	1100	1600	57.8	67888/67820	207	211	245	257	3.6	3.2	0.48	1.26	0.69	7.38
196.85	241.3	23.812	23.017	17.462	1.5	1.5	131	293	1100	1600	41.4	LL639249/LL639210	210	204	230	236	1.5	1.5	0.42	1.4	0.79	2.23

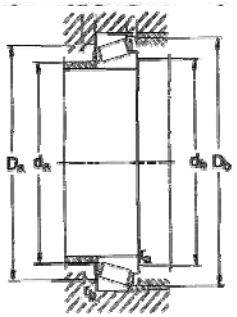
Single-row Taper Roller Bearing

(Inch Series)

WSW





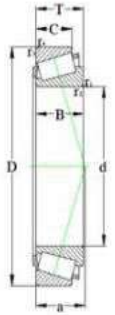


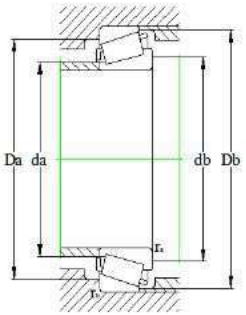
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
196.85	254	28.575	27.783	21.433	1.5	1.5	177	355	1100	1600	42.9	L540049/L540010	213	206	241	247	1.5	1.5	0.4	1.5	0.83	3.48
	257.175	39.688	39.688	30.162	3.5	3.3	271	620	1100	1600	51.3	LM739749/LM739710	218	206	240	251	3.5	3.3	0.45	1.3	0.73	5.33
	266.7	39.688	39.688	30.163	3.6	3.2	268	632	1100	1600	50.6	LM739749/LM739719	209	211	238	247	3.6	3.2	0.45	1.34	0.74	6.18
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1100	1600	71	93775/93125	234	214	288	306	4.3	3.3	0.52	1.1	0.63	18.7
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1100	1600	75.8	93775/93126	234	214	286	306	4.3	3.3	0.52	1.1	0.63	19.7
198.298	279.4	46.038	49.213	36.513	3.6	3.2	349	707	1100	1600	61.6	67981/67919	211	222	259	272	3.6	3.2	0.51	1.18	0.65	8.75
	282.575	46.038	49.213	36.513	3.6	3.2	349	707	1100	1600	61.6	67981/67920	211	222	259	272	3.6	3.2	0.51	1.18	0.65	9.15
199.949	282.575	46.038	49.213	36.513	3.6	3.2	349	707	1100	1600	61.6	67982/67920	212	222	259	272	3.6	3.2	0.51	1.18	0.65	8.95
199.975	317.5	66.675	70	50.8	4.3	3.2	741	1270	1100	1600	54.4	122978/122125	214	232	289	299	4.3	3.2	0.3	2.02	1.11	19.5
200	300	65	62	51	3.5	2.5	615	1130	950	1400	73.1	JHM840449/JHM840410	230	211	274	292	3.5	2.5	0.52	1.2	0.63	15.5
	310	70	70	53	3	2.5	760	1370	950	1400	67.4	HR32040XJ	231	213	285	302	2.5	2	0.43	1.4	0.77	18.9
200.025	276.225	42.862	46.038	34.133	3.5	3.3	390	780	1000	1500	45	LM241147/LM241110	216	220	261	265	3	3	0.31	1.9	1.1	7.7
	292.1	57.945	57.945	46.038	3.6	3.2	545	1030	1000	1500	52.6	M241543/M241510	213	223	268	278	3.6	3.2	0.33	1.8	0.99	12.1
	292.1	57.945	61.913	46.038	6.4	3.2	545	1030	1000	1500	52.6	M241542/M241510	219	223	268	278	6.4	3.2	0.33	1.8	0.99	12.3
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1000	1500	71	93787/93125	235	216	288	306	4.3	3.3	0.52	1.1	0.63	18.3
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1000	1500	75.8	93787/93126	235	216	286	306	4.3	3.3	0.52	1.1	0.63	19.2
	333.375	69.85	69.85	52.388	6.4	6.4	690	1190	1000	1500	71.3	HM743337/HM743310	242	222	302	322	6.4	6.4	0.44	1.4	0.75	23.3
	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	1000	1500	59.8	EE130787/131400	250	232	329	340	6.8	1.5	0.33	1.8	0.99	28.3
	384.175	112.712	112.712	90.488	6.4	6.4	1220	2220	1000	1500	84.2	H247535/H247510	258	234	344	369	6.4	6.4	0.33	1.8	0.99	58.8
	393.7	111.125	111.125	84.138	6.4	6.4	1300	2030	1000	1500	78.1	HH144642/HH144614	251	227	352	374	6.4	6.4	0.3	2	1.1	57.4
200.812	292.1	57.945	61.913	46.038	6.4	3.2	545	1030	1000	1500	52.6	M241545/M241510	220	223	268	278	6.4	3.2	0.33	1.8	0.99	12.2
201.612	360	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	78.9	EE420793/421417	246	226	329	349	3.3	3.3	0.42	1.4	0.79	34.9
203.2	261.142	28.575	27.783	21.433	1.5	1.5	176	355	1100	1600	43.7	LL641149/LL641110	219	212	247	254	1.5	1.5	0.41	1.5	0.81	3.54
	276.225	42.862	42.862	34.133	3.5	3.3	335	620	1100	1600	44	LM241149/LM241110	224	213	259	269	3.5	3.3	0.32	1.9	1	6.84
	279.4	46.038	46.038	36.513	3.6	3.2	349	707	1100	1600	61.6	67983/67919	216	222	259	272	3.6	3.2	0.51	1.18	0.65	8.04

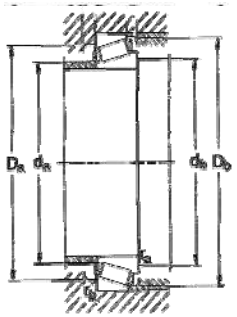
Single-row Taper Roller Bearing

(Inch Series)

WSW





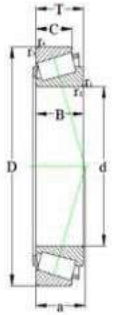


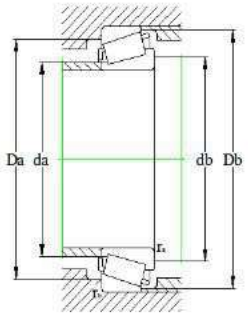
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
203.2	282.575	46.038	46.038	36.512	3.5	3.3	365	800	1100	1600	61.9	67983/67920	230	215	261	276	3.5	3.3	0.51	1.2	0.65	8.85
	292.1	57.945	57.945	46.038	3.6	3.2	545	1030	1100	1600	52.6	M241547/M241510	216	223	268	278	3.6	3.2	0.33	1.8	0.99	11.7
	317.5	53.975	53.975	34.925	4	3.3	460	725	1100	1600	48	EE132083/132125	232	219	293	302	4	3.3	0.31	1.9	1.1	13.5
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1100	1600	71	93800/93125	237	217	288	306	4.3	3.3	0.52	1.1	0.63	17.8
	317.5	63.5	63.5	46.038	7.9	3.3	575	1060	1100	1600	71	93800A/93125	240	217	288	306	7.9	3.3	0.52	1.1	0.63	17.7
	317.5	66.675	66.675	50.8	4.3	3.3	615	995	1100	1600	55.9	EE122080/122125	234	218	293	305	4.3	3.3	0.3	2	1.1	17.4
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1100	1600	75.8	93800/93126	237	217	286	306	4.3	3.3	0.52	1.1	0.63	18.7
	317.5	68.262	63.5	50.8	7.9	3.3	575	1060	1100	1600	75.8	93800A/93126	240	217	286	306	7.9	3.3	0.52	1.1	0.63	18.6
	346.075	79.375	80.962	60.325	1.5	3.3	900	1460	1000	1500		HM542948/HM542911	224	224	315	322	1.5	3.3	0.39	1.55	0.85	28.8
	360	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	78.9	EE420801/421417	246	227	329	349	3.3	3.3	0.42	1.4	0.79	34.5
	365.049	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	78.9	EE420801/421437	246	227	332	351	3.3	3.3	0.42	1.4	0.79	36
	368.3	92.075	88.897	63.5	3.3	3.3	875	1340	1000	1500	78.9	EE420801/421450	246	227	333	353	3.3	3.3	0.42	1.4	0.79	36.9
	399.928	72	61.913	54	7.1	3.2	788	1100	1000	1500	84.5	EE710806/711574	223	274	354	371	7.1	3.2	0.47	1.27	0.7	36.8
	406.4	92.075	85.725	57.15	6.4	6.4	935	1310	1000	1500	119.9	EE114080/114160	260	226	352	387	6.4	6.4	0.79	0.75	0.42	48.1
	482.6	117.475	95.25	73.025	6.4	6.4	1190	1590	1000	1500	148.6	EE380080/380190	274	236	408	451	6.4	6.4	0.87	0.69	0.38	88.7
203.479	261.142	28.575	31.75	21.433	1.6	1.6	189	394	1000	1500	43.7	LL641148/LL641110	213	220	244	250	1.6	1.6	0.41	1.47	0.81	3.57
203.987	276.225	42.662	46.038	34.133	3.5	3.3	390	780	1000	1500	45	LM241148/LM241110	220	220	261	265	3	3	0.31	1.9	1.1	7.25
	276.225	42.863	46.038	34.132	3.6	3.2	375	715	1000	1500	46.3	LM241148/LM241111	217	221	257	264	3.6	3.2	0.32	1.88	1.04	7.12
204.788	292.1	57.945	57.945	46.038	3.5	3.3	540	1050	1000	1500	52.8	M241549/M241510	229	216	271	283	3.5	3.3	0.33	1.8	0.99	12.1
	317.5	63.5	63.5	46.038	4.3	3.2	604	1130	1000	1500	71.4	93806A/93125	219	227	278	295	4.3	3.2	0.52	1.15	0.63	17.1
206.375	282.575	46.038	46.038	36.512	3.5	3.3	365	800	1000	1500	61.9	67985/67920	231	216	261	276	3.5	3.3	0.51	1.2	0.65	8.48
	282.575	46.038	49.212	36.513	3.6	3.2	349	707	1000	1500	61.6	67987/67920	220	222	259	272	3.6	3.2	0.51	1.18	0.65	8.17
	317.5	53.975	53.975	34.925	4	3.3	460	725	1000	1500	48	EE132084/132125	234	220	293	302	4	3.3	0.31	1.9	1.1	13
	317.5	63.5	63.5	46.038	4.3	3.2	6.4	1130	1000	1500	71.4	93812/93125	221	227	278	295	4.3	3.2	0.52	1.15	0.63	16.9
	319.088	53.975	53.975	34.925	4	3.2	439	724	1000	1500	48.4	EE132084/162127	220	238	285	292	4	3.2	0.31	1.91	1.05	13.6
	336.55	98.425	100.012	77.788	3.3	3.3	1040	1900	900	1300	73.4	H242649/H242610	242	222	306	325	3.3	3.3	0.33	1.8	0.99	32.8
	360	92.075	88.897	63.5	6.4	3.2	938	1460	900	1300	75.6	EE420812X/421417	225	243	317	334	6.4	3.2	0.4	1.49	0.82	34.7

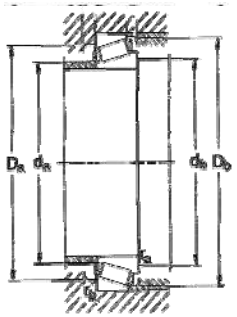
Single-row Taper Roller Bearing

(Inch Series)

WSW





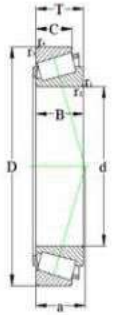


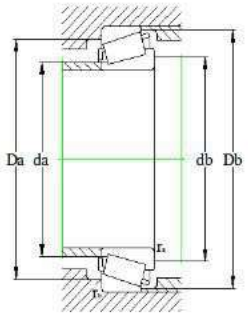
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
206.375	482.6	117.475	95.25	73.025	6.4	6.4	1450	2060	900	1300	152.8	EE380081/380190	225	272	386	428	6.4	6.4	0.87	0.69	0.38	92.7
209.55	282.575	46.038	46.038	36.512	3.5	3.3	365	800	900	1300	61.9	67989/67920	233	218	261	276	3.5	3.3	0.51	1.2	0.65	8.11
	317.5	63.5	63.5	46.038	4.3	3.3	575	1060	1000	1500	71	93825/93125	240	221	288	306	4.3	3.3	0.52	1.1	0.63	16.7
	317.5	63.5	63.5	46.038	12.7	3.3	575	1060	1000	1500	71	93825A/93125	248	221	288	306	12.7	3.3	0.52	1.1	0.63	16.6
	317.5	68.262	63.5	50.8	4.3	3.3	575	1060	1000	1500	75.8	93825/93126	240	221	286	306	4.3	3.3	0.52	1.1	0.63	17.6
	317.5	68.262	63.5	50.8	12.7	3.3	575	1060	1000	1500	75.8	93825A/93126	248	221	286	306	12.7	3.3	0.52	1.1	0.63	17.5
	333.375	69.85	69.85	52.388	6.4	6.4	690	1190	1000	1500	71.3	HM743345/HM743310	247	227	302	322	6.4	6.4	0.44	1.4	0.75	21.7
	355.6	68.262	66.675	47.625	7	3.3	605	1170	1000	1500	85.9	96825/96140	260	236	321	343	7	3.3	0.59	1	0.56	26.7
212.725	285.75	46.038	46.038	34.925	3.5	3.3	350	755	1000	1500	60.4	LM742745/LM742710	237	224	267	280	3.5	3.3	0.48	1.2	0.69	8.15
	336.55	65.088	65.088	50.8	6.4	3.2	708	1380	1000	1500	59.9	M246932/M246910	232	258	309	320	6.4	3.2	0.33	1.8	0.99	21.6
215.9	285.75	46.038	46.038	34.925	3.6	3.2	356	781	1000	1500	60.7	LM742748/LM742710	229	231	265	276	3.6	3.2	0.48	1.25	0.69	7.55
	285.75	46.038	46.038	34.925	3.5	3.3	350	755	1000	1500	60.4	LM742749/LM742710	239	225	267	280	3.5	3.3	0.48	1.2	0.69	7.77
	290.01	31.75	31.75	22.225	3.5	3.3	225	455	1000	1500	45.3	543085/543114	237	228	271	279	3.5	3.3	0.39	1.5	0.85	5.49
	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	1000	1500	59.8	EE130852/131400	258	240	329	340	6.8	1.5	0.33	1.8	0.99	25.4
	355.6	69.85	69.85	49.213	6.7	1.6	727	1310	1000	1500	59.9	EE130851/131400	235	263	319	330	6.7	1.6	0.33	1.82	1	25.9
	360	82.55	79.372	63.5	1.6	3.2	938	1460	1000	1500	75.7	EE420850/421417	225	243	317	334	1.6	3.2	0.4	1.49	0.82	30.9
216.408	285.75	46.038	49.212	34.925	3.5	3.3	352	780	1000	1500	60	LM742747/LM742710	230	230	271	277	3	3	0.48	1.25	0.7	7.85
216.713	285.75	46.038	49.212	34.925	3.5	3.3	352	780	1000	1500	60	LM742747A/LM742710	230	230	271	277	3	3	0.48	1.25	0.7	7.8
219.916	406.4	63.5	61.913	39.688	7.1	6.4	788	1100	1000	1500	76	EE710865/711600	240	274	355	367	7.1	6.4	0.47	1.27	0.7	32.1
219.969	290.01	31.75	31.75	22.225	3.5	3.3	225	455	1000	1500	45.3	543086/543114	239	231	271	279	3.5	3.3	0.39	1.5	0.85	5.14
	292.009	31.75	31.75	22.225	3.6	3.2	231	472	1000	1500	45.1	543086/543116	233	238	267	272	3.6	3.2	0.38	1.56	0.86	5.27
220.116	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	49	LM245832/LM245810	235	249	302	304	3	3	0.31	1.9	1.1	12.5
220.662	314.325	61.912	61.912	49.212	6.4	3.3	595	1190	900	1300	57	M244249/M244210	250	233	292	305	6.4	3.3	0.33	1.8	0.99	14.9
220.878	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	49	LM245833/LM245810	336	249	302	304	3	3	0.31	1.9	1.1	12.5

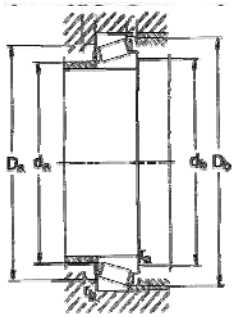
Single-row Taper Roller Bearing

(Inch Series)

WSW





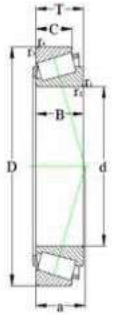


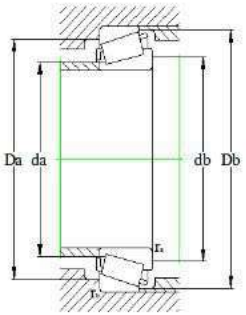
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
222.25	482.6	117.475	95.25	73.025	6.4	6.4	1450	2060	900	1300	152.8	EE380875/380190	241	272	386	428	6.4	6.4	0.87	0.69	0.38	88.8
223.838	295.275	46.038	46.038	34.925	3.6	3.2	360	792	900	1300	63.1	LM844049/LM844010	237	239	274	286	3.6	3.2	0.5	1.2	0.66	8.01
225.425	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	900	1300	59.8	EE130889/131400	263	245	329	340	6.8	1.5	0.33	1.8	0.99	23.6
	400.05	88.9	87.312	63.5	1.5	3.3	945	1510	900	1300	82	EE430888/431575	266	246	359	379	1.5	3.3	0.44	1.4	0.75	42.6
227.33	406.4	63.5	61.913	39.688	7.1	6.4	788	1100	900	1300	76	EE710905/711600	248	274	355	367	7.1	6.4	0.47	1.27	0.7	30.9
228.397	431.8	92.075	85.725	49.212	6.4	6.4	885	1320	900	1300	132.5	EE113089/113170	287	256	378	410	6.4	6.4	0.88	0.68	0.38	49
	459.892	85.344	85.725	42.482	6.4	3.2	994	1450	900	1300	128.1	EE113089/113181	247	275	372	397	6.4	3.2	0.88	0.68	0.37	55
228.46	431.8	92.075	85.725	49.212	6.4	6.4	885	1320	900	1300	132.5	EE113091/113170	287	256	378	410	6.4	6.4	0.88	0.68	0.38	49
228.6	295.275	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	49.6	544090/544116	250	240	279	288	3.5	3.3	0.4	1.5	0.82	5.25
	300.038	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	49.6	544090/544118	250	240	282	291	3.5	3.3	0.4	1.5	0.82	5.66
	320.675	50.8	49.212	33.338	6.4	3.3	445	840	900	1300	65.4	88900/88126	260	242	300	312	6.4	3.3	0.48	1.2	0.68	11.6
	327.025	52.388	49.212	34.925	6.4	3.3	445	840	900	1300	67	88900/88128	260	242	302	315	6.4	3.3	0.48	1.2	0.68	12.7
	327.025	52.388	52.388	36.512	6.4	3.3	470	940	900	1300	59.6	8573/8520	261	244	304	317	6.4	3.3	0.41	1.5	0.81	13.3
	355.6	68.262	66.675	47.625	7	3.3	605	1170	900	1300	85.9	96900/96140	270	246	321	343	7	3.3	0.59	1	0.56	23.3
	355.6	69.85	69.85	49.212	6.8	1.5	695	1230	900	1300	59.8	EE130902/131400	265	246	329	340	6.8	1.5	0.33	1.8	0.99	23
	355.6	69.85	69.85	50.8	6.4	6.4	772	1370	900	1300	77	HM746645/HM746610	247	261	322	338	6.4	6.4	0.47	1.27	0.7	24
	355.6	69.85	69.85	50.8	6.4	6.4	765	1300	900	1300	75.6	HM746646/HM746610	266	244	324	345	6.4	6.4	0.47	1.3	0.7	23.1
	358.775	71.438	71.438	53.975	3.6	3.2	773	1590	900	1300	64.4	M249732/M249710	242	279	330	342	3.6	3.2	0.33	1.8	0.99	26.6
	399.928	72	61.913	54	7.1	3.2	788	1100	900	1300	84.5	EE710906/711574	249	274	354	371	7.1	3.2	0.47	1.27	0.7	32.6
	400.05	88.9	87.312	63.5	10.4	3.3	945	1510	900	1300	82	EE430900/431575	277	248	359	379	10.4	3.3	0.44	1.4	0.75	41.7
	400.05	88.9	87.312	63.5	19.8	3.3	945	1510	900	1300	82	EE430902/431575	286	248	359	379	19.8	3.3	0.44	1.4	0.75	41.3
	425.45	101.6	95.25	76.2	7	6.4	1280	2000	900	1300	80.8	EE700091/700167	281	257	384	406	7	6.4	0.33	1.8	0.99	57
	488.95	123.825	111.125	73.025	6.4	6.4	1600	2500	900	1300	166.5	HH949549/HH949510	307	264	420	470	6.4	6.4	0.94	0.64	0.35	103
	508	117.475	95.25	73.025	6.4	6.4	1240	1780	900	1300	168.3	EE390090/390200	305	266	429	479	6.4	6.4	0.94	0.64	0.35	96.5
230.188	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	49	LM245846/LM245810	246	249	302	304	3	3	0.31	1.9	1.1	11

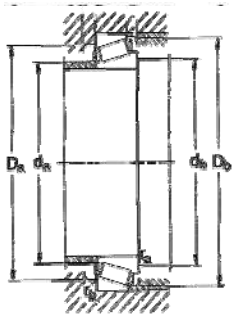
Single-row Taper Roller Bearing

(Inch Series)

WSW





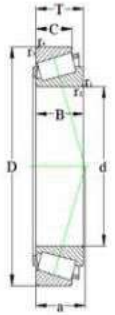


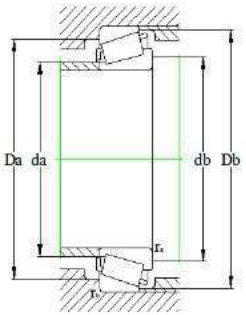
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 Grease	油润滑 Oil	作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass 参考 Refer.
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
231.775	268.288	22.499	21.501	18.499	2	2	130	317	900	1300	38.1	LL244549/LL244510	242	240	258	262	2	2	0.33	1.8	0.99	1.82
	295.275	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	49.6	544091/544116	251	241	279	288	3.5	3.3	4	1.5	0.82	4.96
	300.038	33.338	31.75	23.812	3.5	3.3	224	460	900	1300	49.6	544091/544118	251	241	282	291	3.5	3.3	0.4	1.5	0.82	5.38
	317.5	47.625	52.338	36.512	3.3	3.3	523	980	900	1300	49	LM245848/LM245810	248	249	302	304	3	3	0.31	1.9	1.1	10.5
	336.55	65.088	65.088	50.8	6.4	3.3	640	1270	900	1300	60.1	M246942/M246910	265	247	313	326	6.4	3.3	0.33	1.8	0.99	18.4
	336.55	65.088	69.85	50.8	6.4	3.2	708	1380	900	1300	59.9	M246943/M246910	251	258	309	320	6.4	3.2	0.33	1.8	0.99	18.6
	358.775	71.438	71.438	53.975	6.4	3.2	773	1590	900	1300	64.4	M249734/M249710	251	279	330	342	6.4	3.2	0.33	1.8	0.99	26.3
	377.825	79.375	80.963	58.738	3.2	3.2	958	1630	900	1300	77.6	HM647448/HM647411	244	266	337	353	3.2	3.2	0.43	1.4	0.77	32.9
	358.775	71.438	71.438	53.975	6.4	3.3	760	1540	900	1300	64.6	M249743/M249710	276	256	335	348	6.4	3.3	0.33	1.8	0.99	26.2
234.95	311.15	46.038	46.038	33.338	3.6	3.2	407	825	900	1300	52.4	LM446349/LM446310	248	253	290	298	3.6	3.2	0.36	1.66	0.91	8.73
	314.325	49.212	49.212	36.512	3.5	3.3	455	955	900	1300	57.4	LM545849/LM545810	260	247	296	309	3.5	3.3	0.4	1.5	0.83	10.4
	317.5	49.213	49.213	36.513	3.6	3.2	485	981	900	1300	57.5	LM545849/LM545812	248	252	294	303	3.6	3.2	0.4	1.51	0.83	10.6
	320.675	50.8	49.212	33.338	6.4	3.3	445	840	900	1300	65.4	88925/88126	263	246	300	312	6.4	3.3	0.48	1.2	0.68	10.7
	327.025	52.388	49.212	34.925	6.4	3.3	445	840	900	1300	67	88925/88128	263	246	302	315	6.4	3.3	0.48	1.2	0.68	11.8
	327.025	52.388	52.388	36.513	6.4	3.2	468	930	900	1300	60	8574/8520	254	258	300	310	6.4	3.2	0.41	1.48	0.81	12.2
	327.025	52.388	52.388	36.512	6.4	3.3	470	940	900	1300	59.6	8575/8520	264	248	304	317	6.4	3.3	0.41	1.5	0.81	12.4
	328.625	52.388	52.388	36.513	6.4	3.2	468	930	900	1300	60	8575/8522	254	258	300	310	6.4	3.2	0.41	1.48	0.81	12.4
	355.6	68.262	66.675	47.625	7	3.3	605	1170	900	1300	85.9	96925/96140	273	249	321	343	7	3.3	0.59	1	0.56	22.1
	381	74.613	74.613	57.15	6.4	3.2	854	1670	900	1300	69	M252330/M252310	254	294	351	363	6.4	3.2	0.33	1.8	0.99	32.5
	384.175	112.713	112.712	90.488	6.4	6.4	1450	2680	900	1300	83.8	H247548/H247510	254	265	342	362	6.4	6.4	0.33	1.8	0.99	50
	384.175	112.712	112.712	90.488	6.4	6.4	1220	2220	900	1300	84.2	H247549/H247510	276	251	344	369	6.4	6.4	0.33	1.8	0.99	48.2
236.538	320.675	44.45	44.45	33.338	3.6	3.2	409	755	900	1300	64.4	88931/88126	250	254	298	309	3.6	3.2	0.48	1.24	0.68	9.24
237.33	336.55	65.088	65.088	50.8	6.4	3.3	640	1270	900	1300	60.1	M246949/M246910	268	250	313	326	6.4	3.3	0.33	1.8	0.99	17.3
	358.775	71.438	71.438	53.975	6.4	3.3	760	1540	900	1300	64.6	M249736/M249710	279	259	335	348	6.4	3.3	0.33	1.8	0.99	25
241.122	368.3	68.262	68.262	53.975	6.4	3.3	685	1210	900	1300	65.3	EE125094/125145	277	258	339	354	6.4	3.3	0.34	1.7	0.96	24.1
241.3	327.025	52.388	52.388	36.512	6.4	3.3	470	940	900	1300	59.6	8578/8520	267	250	304	317	6.4	3.3	0.41	1.5	0.81	11.4
	355.6	50.8	50.8	33.338	6.4	3.2	508	924	900	1300	56.1	EE170950/171400	260	280	328	336	6.4	3.2	0.36	1.65	0.91	16.1

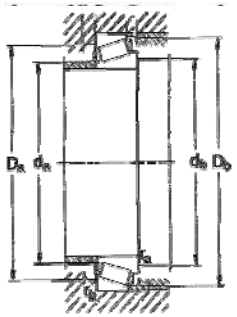
Single-row Taper Roller Bearing

(Inch Series)

WSW





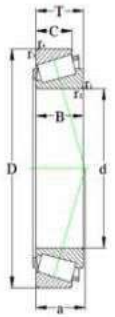


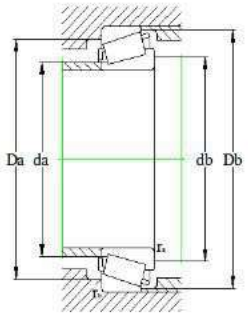
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
241.3	349.148	57.15	57.15	44.45	6.4	3.3	570	1060	900	1300	59.5	EE127095/127135	274	257	325	338	6.4	3.3	0.35	1.7	0.93	16.8
	355.6	50.8	50.8	33.338	6.4	3.3	460	815	900	1300	56	EE170950/171400	275	260	331	341	6.4	3.3	0.36	1.7	0.91	15.2
	355.6	57.15	57.15	44.45	6.4	3.3	570	1060	900	1300	59.5	EE127095/127140	274	257	328	341	6.4	3.3	0.35	1.7	0.93	18
	365.049	50.8	50.8	33.338	6.4	3.2	508	924	900	1300	56.1	EE170950/171436	260	280	328	336	6.4	3.2	0.36	1.65	0.91	17.4
	368.3	50.8	50.8	33.338	6.4	3.3	460	815	900	1300	56	EE170950/171450	275	260	338	348	6.4	3.3	0.36	1.7	0.91	17.1
	368.3	68.262	68.262	53.975	6.4	3.3	685	1210	900	1300	65.3	EE125095/125145	278	258	339	354	6.4	3.3	0.34	1.7	0.96	24.1
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	900	1300	76.1	EE275095/275155	293	274	364	382	6.4	6.4	0.4	1.5	0.82	32.3
	406.4	69.85	69.85	46.038	6.4	6.4	700	1280	800	1100	72.1	EE275095/275160	293	274	371	389	6.4	6.4	0.4	1.5	0.82	34.3
	444.5	101.6	100.012	76.2	6.4	4.8	1410	2240	800	1100	84.4	EE923095/923175	295	273	403	423	6.4	4.8	0.34	1.8	0.98	65.4
	488.95	120.65	120.65	92.075	6.4	6.4	1720	2860	800	1100	92.8	EE295950/295193	315	288	445	469	6.4	6.4	0.31	1.9	1.1	101
	508	117.475	95.25	73.025	6.4	6.4	1240	1780	800	1100	168.3	EE390095/390200	312	272	429	479	6.4	6.4	0.94	0.64	0.35	93
243.683	315.913	31.75	31.75	22.225	3.6	3.2	241	549	800	1100	54	LL648434/LL648415	257	268	295	301	3.6	3.2	0.43	1.39	0.77	6
244.475	381	79.375	76.2	57.15	6.4	4.8	820	1540	800	1100	87.5	EE126097/126150	286	261	344	367	6.4	4.8	0.52	1.2	0.64	30.7
	425.45	93.6663	87.313	76.2	1.6	6.4	1180	1980	800	1100	81.2	EE700096/700167	254	285	364	381	1.6	6.4	0.33	1.8	0.99	52.4
247.65	304.8	22.225	22.225	15.875	1.6	1.6	155	322	800	1100	38.8	28880/28820	257	262	285	289	1.6	1.6	0.32	1.85	1.02	3.05
	346.075	63.5	63.5	50.8	6.4	6.4	726	1440	800	1100	61.7	M348449/M348410	267	268	319	331	6.4	6.4	0.34	1.75	0.96	17.4
	355.6	50.8	50.8	33.338	6.4	3.3	460	815	800	1100	56	EE170975/171400	278	263	331	341	6.4	3.3	0.36	1.7	0.91	14.2
	368.3	50.8	50.8	33.338	6.4	3.3	460	815	800	1100	56	EE170975/171450	278	263	338	348	6.4	3.3	0.36	1.7	0.91	16.1
	381	74.613	74.613	57.15	6.4	3.2	854	1670	800	1100	69	M252337/M252310	267	294	351	363	6.4	3.2	0.33	1.8	0.99	29.7
	406.4	115.888	117.475	93.662	6.4	6.4	1530	2920	800	1100	87.4	HH249949/HH249910	293	266	366	392	6.4	6.4	0.33	1.8	0.99	58.2
	444.5	104.775	103.188	76.2	6.4	4.8	1560	2460	800	1100	85.3	EE115097/115175	267	296	395	412	6.4	4.8	0.35	1.73	0.95	65
	603.25	160.338	158.75	122.238	6.4	9.5	3070	4210	800	1100	127.4	EE515097/515237	267	345	520	545	6.4	9.5	0.38	1.57	0.86	224
249.25	381	79.375	76.2	57.15	6.4	4.8	788	1470	800	1100	88.5	EE126098/126150	268	27.8	337	356	6.4	4.8	0.52	1.16	0.64	29.5
254	315.913	31.75	31.75	22.225	3.6	4.8	241	549	800	1100	54	LL648449/LL648416	267	268	295	301	3.6	4.8	0.43	1.39	0.77	4.99
	317.5	22.225	22.225	15.875	1.5	1.5	153	380	800	1100	43.4	29875/29819	276	271	307	311	1.5	1.5	0.35	1.7	0.95	4.18
	323.85	22.225	22.225	15.875	1.5	1.5	153	380	800	1100	43.4	29875/29820	276	271	310	315	1.5	1.5	0.35	1.7	0.95	4.57

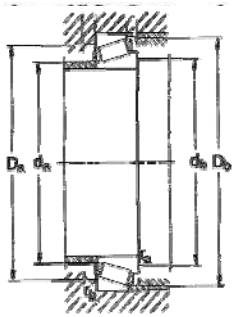
Single-row Taper Roller Bearing

(Inch Series)

WSW





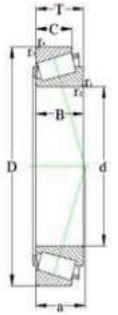


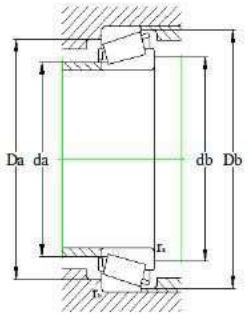
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
254	358.775	71.438	71.438	53.975	3.5	3.3	760	1540	800	1100	64.6	HH249749/HH249710	284	267	335	348	3.5	3.3	0.33	1.8	0.99	21.5
	365.125	58.738	58.738	42.862	6.4	6.4	580	1100	800	1100	64.2	EE134100/134143	289	272	339	354	6.4	6.4	0.37	1.6	0.88	18.4
	368.3	58.738	58.738	42.862	6.4	6.4	580	1100	800	1100	64.2	EE134100/134145	289	272	340	356	6.4	6.4	0.37	1.6	0.88	19.1
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	800	1100	76.1	EE275100/275155	299	280	364	382	6.4	6.4	0.4	1.5	0.82	29.6
	403.225	69.85	69.85	46.038	6.4	6.4	738	1540	700	1000	71.5	EE275100/275158	273	313	365	378	6.4	6.4	0.4	1.49	0.82	32.5
	422.275	86.121	79.771	66.675	6.7	3.2	1010	1680	700	1000	78.7	HM252343/HM252310	273	309	384	399	6.7	3.2	0.33	1.8	0.99	42.7
	422.275	86.121	79.771	66.675	6.7	3.2	1010	1680	700	1000	78.7	HM252344/HM252310	273	309	384	399	6.7	3.2	0.33	1.8	0.99	42.7
	444.5	76.2	73.025	50.8	6.4	6.4	860	1380	700	1000	81	EE822100/822175	273	316	392	406	6.4	6.4	0.42	1.44	0.79	43
	444.5	76.2	76.2	50.8	6.4	6.4	860	1380	700	1000	81	EE822100X/822175	273	316	392	406	6.4	6.4	0.42	1.44	0.79	43.6
	400.05	57.15	55.562	41.275	3.3	1.5	635	1050	700	1000	61.2	EE251001/251575	291	276	372	381	3.3	1.5	0.33	1.8	1	24.3
	422.275	86.121	79.771	66.675	6.8	3.3	1140	1850	700	1000	77.6	HM252343/HM252310	301	278	392	408	6.8	3.3	0.33	1.8	0.99	43.2
	431.724	82.55	79.771	60.325	6.8	3.5	1140	1850	700	1000	74.1	HM252343/HM252315	301	278	397	413	6.8	3.5	0.33	1.8	0.99	44.9
	444.5	76.2	73.025	50.8	6.4	6.4	995	1500	700	1000	71.1	EE822100/822175	302	281	405	421	6.4	6.4	0.34	1.8	0.97	42.7
	495.3	76.2	74.612	53.975	6.4	3.3	1080	1790	700	1000	85.1	EE941002/941950	327	304	455	471	6.4	3.3	0.4	1.5	0.83	64
	495.3	141.288	141.288	114.3	6.4	6.4	2330	4670	700	1000	108.1	HH258232/HH258210	273	346	442	467	6.4	6.4	0.33	1.8	0.99	128
	533.4	133.35	120.65	77.788	6.4	6.4	1840	2770	600	800	177.9	HH953749/HH953710	332	285	457	511	6.4	6.4	0.94	0.64	0.35	127
255.6	342.9	57.15	63.5	44.45	1.6	3.2	612	1280	700	1000	60.1	M349546XX/M349510	265	276	321	331	1.6	3.2	0.35	1.73	0.95	14.1
	342.9	57.15	63.5	44.45	1.6	3.2	612	1280	700	1000	60.1	M349547/M349510	265	276	321	331	1.6	3.2	0.35	1.73	0.95	14.1
257.175	342.9	57.15	57.15	44.45	6.4	3.3	560	1190	850	1200	59.6	M349549/M349510	285	269	323	336	6.4	3.3	0.35	1.7	0.94	14.1
	358.775	71.438	76.2	53.975	1.6	3.2	773	1590	850	1200	64.4	M249747/M249710	266	279	330	342	1.6	3.2	0.33	1.8	0.99	21
258.763	400.05	69.85	67.47	46.038	9.5	6.4	759	1280	850	1200	71.2	EE221018/221575	284	295	359	371	9.5	6.4	0.39	1.52	0.84	26.7
260.35	365.125	58.738	58.738	42.862	6.4	6.4	580	1100	850	1200	64.2	EE134102/134143	293	275	339	354	6.4	6.4	0.37	1.6	0.88	17.3
	368.3	58.738	58.738	42.862	6.4	6.4	580	1100	850	1200	64.2	EE134102/134145	293	275	340	356	6.4	6.4	0.37	1.6	0.88	17.9
260.35	400.05	69.85	67.47	46.038	9.7	6.4	735	1220	800	1100	71.4	EE221026/221575	300	278	366	383	9.7	6.4	0.39	1.5	0.84	26.7
	406.4	69.85	67.673	53.975	3.3	3.3	750	1430	800	1100	73.5	EE128102/128160	302	285	376	391	3.3	3.3	0.39	1.6	0.86	31.8
	419.1	85.725	84.138	61.912	6.4	3.3	960	1820	800	1100	106	EE435102/435165	310	281	378	405	6.4	3.3	0.61	0.99	0.54	42.9

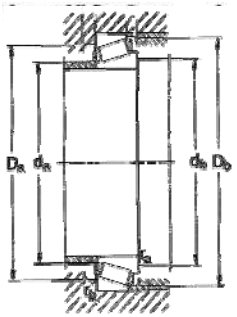
Single-row Taper Roller Bearing

(Inch Series)

WSW





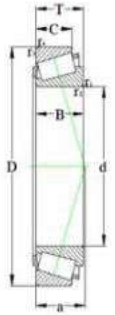


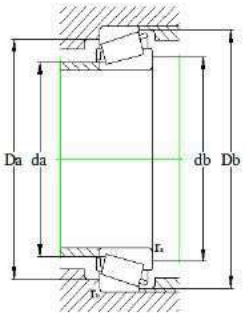
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
260.35	422.275	86.121	79.771	66.675	6.7	3.2	1010	1680	800	1100	78.7	HM252348/HM252310	280	309	384	399	6.7	3.2	0.33	1.8	0.99	41.2
	422.275	86.121	79.771	66.675	6.8	3.3	1140	1850	800	1100	77.6	HM252349/HM252310	304	282	392	408	6.8	3.3	0.33	1.8	0.99	41.6
	422.275	86.124	79.771	66.675	6.8	3.3	975	1590	800	1100	77.3	EE551026/551662	302	281	387	404	6.8	3.3	0.33	1.8	0.99	41
	431.724	82.55	79.771	60.325	6.7	3.6	1010	1680	800	1100	75.2	HM252348/HM252315	280	309	385	398	6.7	3.6	0.33	1.8	0.99	42.9
	431.724	82.55	79.771	60.325	6.8	3.5	1140	1850	800	1100	74.1	HM252349/HM252315	304	282	397	413	6.8	3.5	0.33	1.8	0.99	43.3
	488.95	120.65	120.65	92.075	6.4	6.4	1720	2860	800	1100	92.8	EE295102/295193	325	297	445	469	6.4	6.4	0.31	1.9	1.1	93.8
262.975	355.6	57.15	62	44.45	3.6	3.2	605	1280	900	1300	62.3	LM451344/LM451310	276	287	332	343	3.6	3.2	0.36	1.67	0.92	15.7
263.525	325.438	28.575	28.575	25.4	1.5	1.5	228	555	900	1300	46.6	38880/38820	281	274	312	318	1.5	1.5	0.35	1.7	0.95	5.3
	355.6	57.15	57.15	44.45	3.5	3.3	615	1260	850	1200	62.4	LM451345/LM451310	290	276	335	348	3.5	3.3	0.36	1.6	0.9	15.3
264.975	352.425	36.513	34.925	23.813	3.6	3.2	310	653	850	1200	71.2	L853042/L853010	278	295	329	338	3.6	3.2	0.54	1.11	0.61	8.82
	355.6	57.15	62	44.45	3.6	3.2	605	1280	850	1200	62.3	LM451347/LM451310	278	287	332	343	3.6	3.2	0.36	1.67	0.92	15.3
266.7	323.85	22.225	22.225	15.875	1.5	1.5	153	380	850	1200	43.4	29880/29820	282	277	310	315	1.5	1.5	0.35	1.7	0.95	3.67
	325.438	28.575	28.575	25.4	1.5	1.5	228	555	850	1200	46.6	38885/38820	283	276	312	318	1.5	1.5	0.35	1.7	0.95	5
	325.438	28.575	33.47	25.4	1.6	1.6	217	7	850	1200	48.6	38886/38820XX	276	281	306	312	1.6	1.6	0.37	1.64	0.9	4.97
	355.6	57.15	57.15	44.45	3.5	3.3	615	1260	850	1200	62.4	LM451349/LM451310	292	277	335	348	3.5	3.3	0.36	1.6	0.9	14.7
	355.6	57.15	57.15	44.4	10.4	3.2	605	1280	850	1200	62.3	LM451349A/LM451311	294	287	332	343	10.4	3.2	0.36	1.67	0.92	14.5
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	850	1200	76.1	EE275105/275155	306	286	364	382	6.4	6.4	0.4	1.5	0.82	26.7
	406.4	69.85	69.85	46.038	6.4	6.4	700	1280	850	1200	72.1	EE275105/275160	306	286	371	389	6.4	6.4	0.4	1.5	0.82	28.8
	422.275	86.121	79.771	66.675	6.8	3.2	1010	1680	850	1200	78.7	HM252349A/HM252310	286	309	384	399	6.8	3.2	0.33	1.8	0.99	39.5
	431.724	82.55	79.771	60.325	6.7	3.6	980	1710	850	1200	74.3	EE551050/551700	286	304	375	388	6.7	3.6	0.33	1.8	0.99	40.9
	422.275	86.124	79.771	66.675	6.8	3.3	975	1590	850	1200	77.3	EE551050/551662	306	284	387	404	6.8	3.3	0.33	1.8	0.99	39.4
	444.5	120.65	117.475	88.9	6.4	6.4	1610	3050	850	1200	119.9	H852849/H852810	320	282	392	431	6.4	6.4	0.58	1	0.57	72
269.875	381	74.612	74.612	57.15	6.4	3.3	790	1590	850	1200	68.8	M252349/M252310	304	285	356	370	6.4	3.3	0.33	1.8	0.99	24.8
273.05	317.5	22.225	22.225	15.875	1.6	1.6	147	361	850	1200	43	29888/29819	282	284	304	307	1.6	1.6	0.35	1.73	0.95	2.61
	393.7	73.817	69.85	50.005	6.4	6.4	700	1280	850	1200	76.1	EE275108/275155	309	290	364	382	6.4	6.4	0.4	1.5	0.82	25.2
	406.4	69.85	69.85	46.038	6.4	6.4	700	1280	850	1200	72.1	EE275108/275160	309	290	371	389	6.4	6.4	0.4	1.5	0.82	27.3

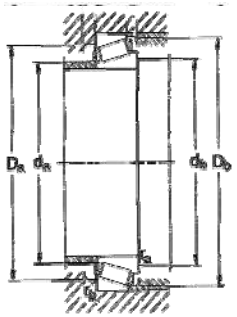
Single-row Taper Roller Bearing

(Inch Series)

WSW





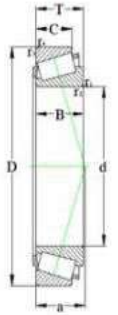


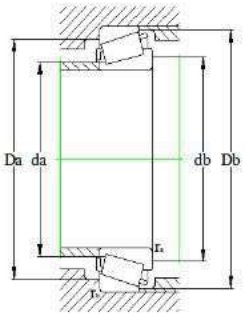
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
275	352.425	36.513	40	23.813	3.6	3.2	310	653	850	1200	71.2	L853048/L853010	281	295	329	338	3.6	3.2	0.54	1.11	0.61	7.96
276.225	352.425	36.512	34.925	23.812	3.5	3.3	320	665	850	1200	72	L853049/L853010	300	288	333	344	3.5	3.3	0.54	1.1	0.62	7.85
279.4	317.5	22.225	22.86	17.653	1.6	1.6	151	422	850	1200	44	LL352148/LL352111	289	289	307	311	1.6	1.6	0.35	1.73	0.95	2.37
	317.5	24.384	24.384	18.288	1.6	1.6	151	422	850	1200	44.7	LL352149/LL352110	289	289	307	311	1.6	1.6	0.35	1.73	0.95	2.52
	374.65	47.625	47.625	34.925	3.6	3.2	468	971	850	1200	64.7	L555233/L555210	293	309	352	361	3.6	3.2	0.4	1.49	0.82	14
	469.9	95.25	93.662	69.85	9.7	3.3	1180	2060	850	1200	87.2	EE722110/722185	336	308	431	451	9.7	3.3	0.38	1.6	0.87	60.9
	488.95	120.65	120.65	92.075	1.3	6.4	1720	2860	850	1200	92.8	EE295110/295193	329	307	445	469	1.3	6.4	0.31	1.9	1.1	86.2
279.982	380.009	65.088	65.088	49.212	3.6	3.2	664	1410	850	1200	75.9	LM654642/LM654611	293	307	356	370	3.6	3.2	0.43	1.39	0.77	20
	380.898	65.088	65.088	49.212	3.5	3.3	660	1550	850	1200		LM654642/LM654610	302	298	356	368	3.5	3.3	0.43	1.39	0.76	19
280	6.4	69.85	67.673	53.975	6.4	3.2	767	1470	850	1200	75	EE128112/128160	299	311	369	383	6.4	3.2	0.39	1.56	0.86	27.7
280.192	400.05	52.388	0.211	34.925	6.7	3.2	521	991	850	1200	67.7	EE101103/101575	300	317	366	375	6.7	3.2	0.41	1.48	0.81	18.7
	406.4	52.388	50.211	34.925	6.8	3.3	520	870	850	1200	68.1	EE101103/101600	315	299	380	391	6.8	3.3	0.41	1.5	0.81	18.9
	406.4	69.85	67.673	53.975	6.7	3.2	767	1470	850	1200	75	EE128110/128160	300	311	369	383	6.7	3.2	0.39	1.56	0.86	27.6
	406.4	69.85	67.673	53.975	6.8	3.3	750	1430	850	1200	73.5	EE128111/128160	316	295	376	391	6.8	3.3	0.39	1.6	0.86	27.2
	409.981	69.85	67.673	53.975	6.8	3.3	750	1430	850	1200	73.5	EE128111/128161	316	295	377	393	6.8	3.3	0.39	1.6	0.86	28.2
285.75	354.013	33.338	31.75	22.225	3.6	3.2	240	537	850	1200	65.8	545112/545139	299	308	337	344	3.6	3.2	0.49	1.23	0.68	6.3
	358.775	33.338	31.75	22.225	3.5	3.3	252	575	850	1200	66.3	545112/545141	307	298	339	348	3.5	3.3	0.49	1.2	0.67	7.09
	380.898	65.088	65.088	49.212	3.5	3.3	615	1490	850	1200	76.1	LM654649/LM654610	316	300	355	371	3.5	3.3	0.43	1.4	0.77	20
	469.9	81.77	80.569	57.15	9.7	3.3	1100	1810	850	1200	69.4	EE921124/921850	338	315	438	451	9.7	3.3	0.29	2.1	1.1	49.4
288.925	406.4	77.788	77.788	60.325	6.4	3.3	1010	2080	850	1200		M255499/M255410A	316	310	379	388	6.4	3.3	0.34	1.78	0.98	29.8
	406.4	77.788	77.788	60.325	6.4	3.3	895	1830	850	1200	72.8	M255449/M255410	324	304	380	395	6.4	3.3	0.34	1.8	0.98	29.8
	406.949	77.907	77.788	61	9.5	3.6	1010	2210	850	1200	73.3	M255448/M255411	314	318	374	388	9.5	3.6	0.34	1.77	0.98	31.1
289.975	393.7	50.8	50.8	38.1	6.4	3.2	524	1180	850	1200	64.8	L357040/L357010	309	329	369	378	6.4	3.2	0.36	1.67	0.92	17.4
292.1	374.65	47.625	47.625	34.925	3.5	3.3	490	1060	800	1100	64.5	L555249/L555210	316	303	355	366	3.5	3.3	0.4	1.5	0.82	12.5
	393.7	63.5	50.8	44.45	3.5	6.4	545	1120	800	1100	99.8	84115/84155	323	305	364	383	3.5	6.4	0.61	0.99	0.54	18.6
	469.9	95.25	93.662	69.85	9.7	3.3	1180	2060	800	1100	87.2	EE722115/722185	342	315	431	451	9.7	3.3	0.38	1.6	0.87	56.7

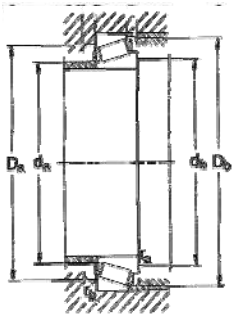
Single-row Taper Roller Bearing

(Inch Series)

WSW





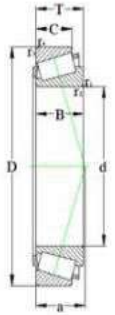


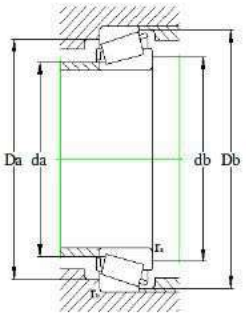
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
292.1	508	106.363	107.95	74.613	6.4	3.2	1480	2540	800	1100	88.5	EE224115/224200	311	362	453	469	6.4	3.2	0.33	1.84	1.01	82.5
	558.8	136.525	136.525	98.425	6.4	6.4	2480	4100	700	1000	113.5	EE790114/790221	362	332	506	537	6.4	6.4	0.39	1.5	0.84	147
	558.8	136.525	136.525	98.425	19.8	6.4	2350	4000	700	1000	114.2	EE790116/790221	338	366	488	510	19.8	6.4	0.4	1.52	0.84	142
298.45	431.8	69.85	58.738	53.975	6.4	3.3	755	1400	700	1000	88.1	EE111175/111700	336	316	400	417	6.4	3.3	0.44	1.4	0.75	29.2
	444.5	63.5	61.912	39.688	8	3.3	685	1140	700	1000	71.8	EE291175/291749	339	319	415	427	8	3.3	0.38	1.6	0.87	28.7
	444.5	63.5	61.912	39.688	8	1.5	685	1140	700	1000	71.8	EE291175/291750	339	319	417	427	8	1.5	0.38	1.6	0.87	28.7
299.975	495.3	141.288	141.288	114.3	6.4	6.4	2330	4670	700	1000	108.1	HH258248/HH258210	319	346	442	467	6.4	6.4	0.33	1.8	0.99	106
300	495.3	141.288	141.288	114.3	6.4	6.4	2330	4550	630	850	106	HH258248/HH258210	330	341	464	468	6	6	0.33	1.8	1	107
300.038	422.275	82.55	82.55	63.5	6.4	3.3	990	2050	630	850	76.7	HM256849/HM256810	337	317	395	411	6.4	3.3	0.34	1.8	0.98	34.2
304.8	393.7	50.8	50.8	38.1	6.4	3.3	530	1140	630	850	63.7	L357049/L357010	334	318	374	385	6.4	3.3	0.36	1.7	0.92	14.5
	406.4	63.5	63.5	47.625	6.4	3.3	690	1490	630	850	79.4	LM757049/LM757010	337	317	380	396	6.4	3.3	0.44	1.4	0.75	21.4
	438.048	76.2	76.992	53.975	6.4	4.8	788	1610	630	850	82	EE129120X/129172	325	343	401	415	6.4	4.8	0.4	1.49	0.82	34.4
	444.5	63.5	61.912	39.688	8	3.3	685	1140	630	850	71.8	EE291201/291749	342	323	415	427	8	3.3	0.38	1.6	0.87	27.3
	444.5	63.5	61.912	39.688	8	1.5	685	1140	630	850	71.8	EE291201/291750	342	323	417	427	8	1.5	0.38	1.6	0.87	27.3
	488.95	92.075	92.075	63.5	16	3.2	1270	2340	630	850	92	EE724119/724191	344	359	439	456	16	3.2	0.4	1.49	0.82	60.4
	488.95	92.075	92.075	63.5	16	3.2	1270	2340	630	850	92	EE724120/724191	344	359	439	456	16	3.2	0.4	1.49	0.82	60.4
	495.3	76.2	74.612	53.975	6.4	3.3	1080	1790	630	850	85.1	EE941205/941950	352	329	455	471	6.4	3.3	0.4	1.5	0.83	51
	495.3	76.2	74.612	53.975	6.4	3.3	1140	1940	630	850		EE941205/941950A	339	329	459	463	6.4	3.3	0.4	1.49	0.82	55.8
	495.3	76.2	77.866	53.975	6.4	3.2	1020	1610	630	850	88.1	EE941205X/941950	325	355	441	455	6.4	3.2	0.4	1.49	0.82	50.7
	495.3	95.25	92.075	69.85	16	6.4	1270	2340	630	850	95.2	EE724119/724195	344	359	439	47.4	16	6.4	0.4	1.49	0.82	64.8
	495.3	95.25	92.075	69.85	16	6.4	1240	2150	630	850	93.9	EE724120/724195	364	329	451	474	16	6.4	0.4	1.5	0.82	63.3
	499.948	101.6	79.375	53.975	6.4	6.4	1190	2030	630	850	203	M959442/M959410	367	327	444	487	6.4	6.4	1.2	0.51	0.28	67.6
	558.8	136.525	136.525	98.425	1.3	6.4	2480	4100	630	850	113.5	EE790120/790221	364	338	506	537	1.3	6.4	0.39	1.5	0.84	141
305.054	406.4	63.5	63.5	47.625	6	3.2	748	1580	630	850	79.6	LM757049A/LM757010	325	323	376	390	6.4	3.2	0.44	1.36	0.75	21.2
314.325	495.3	120.65	119.062	88.9	6.4	6.4	1710	3300	630	850	125.3	H859049/H859010	368	335	446	484	6.4	6.4	0.55	1.1	0.6	83.8

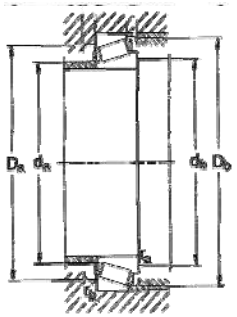
Single-row Taper Roller Bearing

(Inch Series)

WSW





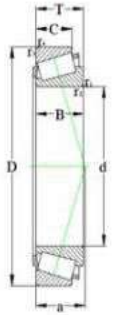


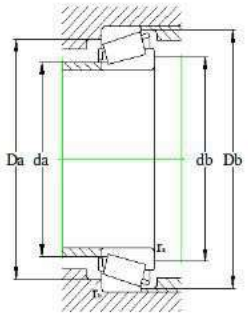
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
317.5	444.5	63.5	61.912	39.688	8	1.5	685	1140	630	850	71.8	EE291250/291750	349	329	417	427	8	1.5	0.38	1.6	0.87	24.3
	444.5	63.5	61.913	39.688	15	1.6	721	1380	630	850	70	EE291251/291750	355	346	404	414	15	1.6	0.38	1.59	0.87	25.7
	444.5	63.5	61.912	39.688	8	3.3	685	1140	630	850	71.8	EE291250/291749	349	329	415	427	8	3.3	0.38	1.6	0.87	24.2
	447.675	85.725	85.725	68.263	3.6	3.2	1060	2330	630	850	79.7	HM259048/HM259010	332	352	411	426	3.6	3.2	0.33	1.8	0.99	40.9
	447.675	85.725	85.725	68.262	3.5	3.3	1120	2350	630	850	80.1	HM259049/HM259010	353	333	418	435	3.5	3.3	0.33	1.8	0.99	40.4
	596.9	136.525	136.525	98.425	19.8	6.4	2480	4110	600	800	119.6	EE720125/720236	364	389	520	545	19.8	6.4	0.42	1.42	0.78	161
	622.3	147.638	131.762	82.55	14.3	12.7	2270	3800	600	800	206.4	H961649/H961610	414	358	535	597	14.3	12.7	0.94	0.64	0.35	184
323.85	381	28.575	28.575	20.638	3.6	3.3	219	570	670	900	64.8	LL758744/LL758715	338	340	363	369	3.6	3.3	0.44	1.36	0.75	5.15
325.438	596.9	136.525	136.525	98.425	6.4	6.4	2480	4110	630	850	119.6	EE720128/720236	345	389	520	545	6.4	6.4	0.42	1.42	0.78	158
329.87	533.4	76.2	76.2	50.8	4.7	3.3	1060	1800	630	850	78.4	EE971298/972100	383	364	497	510	4.7	3.3	0.33	1.8	0.99	58.5
330.2	415.925	47.625	47.625	34.925	12.7	3.3	505	1150	630	850	83	L860048/L860010	365	342	394	408	12.7	3.3	0.5	1.2	0.66	14.3
	415.925	47.625	47.625	34.925	3.5	3.3	505	1150	630	850	83	L860049/L860010	356	342	394	408	3.5	3.3	0.5	1.2	0.66	14.6
	469.9	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161300/161850	377	358	441	459	7	6.4	0.5	1.2	0.66	30.1
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161300/161900	377	358	447	464	7	6.4	0.5	1.2	0.66	32.9
	482.6	66.675	63.5	44.45	6.8	6.8	810	1560	630	850	84.9	EE203130/203190	377	358	450	467	6.8	6.8	0.42	1.4	0.79	36.4
	482.6	85.725	80.167	60.325	6.4	3.3	995	1830	630	850	88.9	EE526130/526190	370	348	447	465	6.4	3.3	0.39	1.5	0.85	44.9
	482.6	85.725	80.167	60.325	3.3	3.3	995	1830	630	850	88.9	EE526132/526190	367	348	447	465	3.3	3.3	0.39	1.5	0.85	45
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161300/161925	377	358	451	468	7	6.4	0.5	1.2	0.66	34.3
333.375	469.9	90.488	90.488	71.438	6.4	3.3	1340	2850	630	850	85	HM261049/HM261010	365	362	438	452	6	3	0.33	1.8	1	47
342.9	450.85	66.675	66.675	52.388	8.5	3.5	805	1840	670	900	75.8	LM361649/LM361610	379	359	426	441	8.5	3.5	0.35	1.7	0.94	27.2
	457.098	66.675	63.5	46.038	3.2	3.2	729	1670	670	900	122.3	LM961548LM961510	356	365	421	443	3.2	3.2	0.71	0.84	0.46	28.2
342.9	457.098	68.262	63.5	47.625	3.3	3.3	705	1640	670	900		LM961548/LM961511	367	363	423	443	3.3	3.3	0.71	0.84	0.46	30
	533.4	76.2	76.2	50.8	4.7	3.3	1060	1800	670	900	78.4	EE971354/972100	390	371	497	510	4.7	3.3	0.33	1.8	0.99	54.4
346.075	469.9	60.325	55.562	38.1	7	6.4	710	1420	670	900	92.7	EE161363/161850	385	366	441	459	7	6.4	0.5	1.2	0.66	26.4
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161363/161900	385	366	447	464	7	6.4	0.5	1.2	0.6	29.2
	482.6	66.675	63.5	44.45	6.8	6.8	810	1560	630	850	84.9	EE203136/203190	385	366	450	467	6.8	6.8	0.42	1.4	0.79	32.2

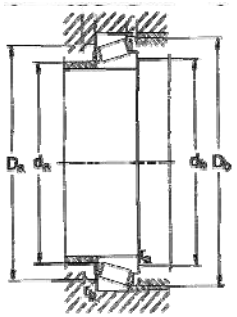
Single-row Taper Roller Bearing

(Inch Series)

WSW





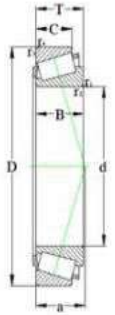


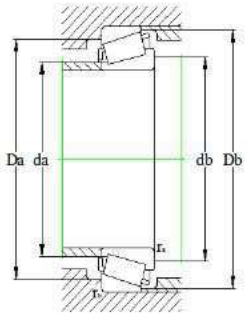
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass 参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	Refer.
346.075	482.6	66.675	63.5	44.45	12.7	6.8	810	1560	630	850	84.9	EE203137/203190	391	366	450	467	12.7	6.8	0.42	1.4	0.79	32
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161363/161925	385	366	451	468	7	6.4	0.5	1.2	0.66	30.7
	488.95	95.25	95.25	74.613	6.4	3.2	1350	2900	630	850	88.5	HM262748/HM262710	366	381	450	467	6.4	3.2	0.33	1.79	0.99	53.3
	488.95	95.25	95.25	74.612	6.4	3.3	1250	2600	630	850	87.8	HM262749/HM262710	386	364	457	475	6.4	3.3	0.33	1.8	0.99	52.9
349.25	501.65	90.488	84.138	69.85	6.4	3.3	1320	2720	630	850	95	EE333137/333197	394	371	470	488	6.4	3.3	0.37	1.6	0.9	55.8
354.012	469.9	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161394/161850	389	370	441	459	7	6.4	0.5	1.2	0.66	24.5
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161394/161900	389	370	447	464	7	6.4	0.5	1.2	0.66	27.3
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161394/161925	389	370	451	468	7	6.4	0.5	1.2	0.66	28.8
355.6	444.5	60.325	60.325	47.625	3.5	3.3	660	1660	630	850	67.9	L163149/L163110	381	369	423	435	3.5	3.3	0.31	2	1.1	20.6
	469.9	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161400/161850	390	370	441	459	7	6.4	0.5	1.2	0.66	24.1
	482.6	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161400/161900	390	370	447	464	7	6.4	0.5	1.2	0.66	26.9
	488.95	60.325	55.562	38.1	7	6.4	710	1420	630	850	92.7	EE161400/161925	390	370	451	468	7	6.4	0.5	1.2	0.66	28.4
	501.65	74.612	66.675	50.8	6.4	3.3	795	1640	630	850	97	EE231400/231975	403	382	472	489	6.4	3.3	0.44	1.4	0.75	40.5
	501.65	90.488	84.138	69.85	6.4	3.3	1320	2720	630	850	95	EE333140/333197	397	374	470	488	6.4	3.3	0.37	1.6	0.9	53.5
	514.35	74.612	66.675	50.8	6.4	3.3	795	1640	630	850	97	EE231400/232025	403	382	478	495	6.4	3.3	0.44	1.4	0.75	44.6
	673.1	152.4	152.4	114.3	16	6.4	3400	5490	630	850	229.9	EE121140/121265	395	436	595	620	16	6.4	0.38	1.59	0.88	234
361.95	406.4	23.812	23.812	17.462	2.3	1.5	173	470	630	850		LL562749/LL562710	372	371	396	401	2.3	1.5	0.4	1.49	0.82	3.56
368.249	523.875	101.6	101.6	79.375	6.4	6.4	1590	3390	600	800	94	HM265049/HM265010	388	407	484	500	6.4	6.4	0.33	1.8	0.99	56.6
368.3	596.9	95.25	92.075	60.325	9.7	6.4	1670	2870	600	800	102.6	EE181453/182350	428	403	549	570	9.7	6.4	0.41	1.5	0.8	92.7
	609.6	142.875	139.7	111.125	8	6.4	2460	4600	600	800	118.9	EE321145/321240	431	401	556	587	8	6.4	0.36	1.7	0.93	154
371.475	501.65	74.612	66.675	50.8	6.4	3.3	795	1640	600	800	97	EE231462/231975	411	390	472	489	6.4	3.3	0.44	1.4	0.75	35.8
	514.35	74.612	66.675	50.8	6.4	3.3	795	1640	600	800	97	EE231462/232025	411	390	478	495	6.4	3.3	0.44	1.4	0.75	39.8
374.65	431.8	28.575	28.575	20.638	3.6	3.2	222	622	600	800	56.9	LL264648/LL264610	389	393	415	419	3.6	3.2	0.33	1.8	0.99	6.02
374.65	522.288	85.725	84.138	61.912	6.4	3.3	1210	2550	600	800	92.9	LM565943/LM565910	417	393	490	508	6.4	3.3	0.39	1.6	0.86	51.3
377.825	508	63.5	58.738	38.1	6.4	3.3	725	1490	600	800	103.9	EE192148/192200	418	397	480	495	6.4	3.3	0.53	1.1	0.62	31.1

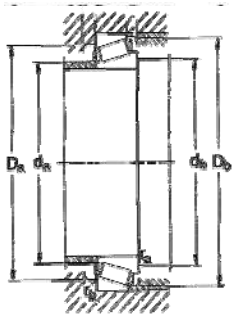
Single-row Taper Roller Bearing

(Inch Series)

WSW





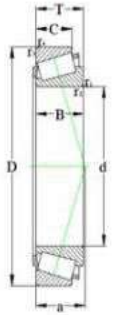


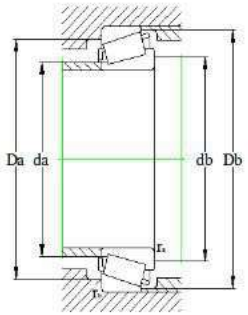
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
377.825	522.288	85.725	84.138	61.912	6.4	3.3	1210	2550	600	800	92.9	LM565946/LM565910	418	395	490	508	6.4	3.3	0.39	1.6	0.86	50
	523.875	85.725	84.138	61.913	6.4	3.2	1170	2590	600	800	92.8	LM565946/LM565912	398	414	481	497	6.4	3.2	0.38	1.56	0.86	51.9
381	479.425	49.212	47.625	34.925	6.4	3.3	585	1310	600	800	92	L865547/L865512	412	394	456	469	6.4	3.3	0.49	1.2	0.67	18.9
	479.425	49.213	47.625	34.925	12.7	3.2	595	1280	600	800	91.4	L865548/L865512	413	405	454	466	12.7	3.2	0.49	1.23	0.68	18.6
	508	63.5	58.738	38.1	6.4	3.3	725	1490	600	800	103.9	EE192150/192200	420	399	480	495	6.4	3.3	0.53	1.1	0.62	30.3
	522.288	85.725	84.138	61.912	6.4	3.3	1210	2550	600	800	92.9	LM565949/LM565910	420	396	490	508	6.4	3.3	0.39	1.6	0.86	48.8
	523.875	85.725	84.138	61.913	6.4	3.2	1170	2590	600	800	92.8	LM565949/LM565912	401	414	481	497	6.4	3.2	0.38	1.56	0.86	50.7
	546.1	104.775	104.775	82.55	6.4	6.4	1900	4210	600	800	97.6	HM266446/HM266410	401	421	505	515	6.4	6.4	0.33	1.8	0.99	79.5
	546.1	104.775	104.775	82.55	6.4	6.4	1840	4000	600	800	97.5	HM266447/HM266410	428	405	508	531	6.4	6.4	0.33	1.8	0.99	78.3
	590.55	114.3	114.3	88.9	6.4	6.4	1980	4470	600	800	103.7	M268730/M268710	401	459	545	560	6.4	6.4	0.33	1.8	0.99	116
384.175	441.325	28.575	28.575	20.638	3.5	3.3	247	655	560	750	59.2	LL365348/LL365310	402	394	427	435	3.5	3.3	0.34	1.8	0.97	6.33
	441.325	28.575	31.75	20.638	3.6	3.2	236	612	560	750	58.6	LL365347/LL365310	398	398	424	428	3.6	3.2	0.34	1.76	0.97	5.66
	546.1	104.775	104.775	82.55	6.4	6.4	1900	4210	560	750	97.6	HM266448/HM266410	404	421	505	515	6.4	6.4	0.33	1.8	0.99	78
	546.1	104.775	104.775	82.55	6.4	6.4	1840	4000	560	750	97.5	HM266449/HM266410	429	407	508	531	6.4	6.4	0.33	1.8	0.99	76.7
385.762	514.35	82.55	82.55	63.5	6.4	3.3	1180	2610	560	750	99	LM665949/LM665910	424	401	485	504	6.4	3.3	0.42	1.4	0.79	45.2
387.248	546.1	87.313	87.313	66.675	6.4	6.4	1330	2870	560	750	105.1	M667935/M667910	407	438	510	525	6.4	6.4	0.42	1.44	0.79	61.6
	546.1	87.312	87.312	68.262	6.4	6.4	1390	3150	560	750		M667935/M667911G2	424	414	510	528	6.4	6.4	0.42	1.43	0.79	56.6
393.7	546.1	76.2	61.12	55.562	6.4	6.4	815	1650	600	800	112.9	EE234154/234215	438	417	507	529	6.4	6.4	0.48	1.3	0.69	44.8
	558.8	65.088	61.119	44.45	6.4	6.4	815	1650	600	800	101.8	EE234154/234220	438	417	516	536	6.4	6.4	0.48	1.3	0.69	44.3
396.875	546.1	76.2	61.12	55.562	6.4	6.4	815	1650	600	800	112.9	EE234156/234215	439	419	507	529	6.4	6.4	0.48	1.3	0.69	43.9
	549.275	85.725	84.138	61.912	6.4	3.3	1260	2720	600	800	101.1	LM567943/LM567910	442	420	517	535	6.4	3.3	0.41	1.5	0.81	57.1
	558.8	65.088	61.12	44.45	6.4	6.4	815	1650	600	800	101.8	EE234156/234220	439	419	516	536	6.4	6.4	0.48	1.3	0.69	43.4
403.225	460.375	28.575	28.575	20.638	3.5	3.3	246	765	600	800	70	LL566848/LL566810	420	417	443	448	3	3	0.4	1.5	0.8	6.7
406.4	508	61.912	61.912	47.625	3.3	3.3	800	1960	560	750	83.3	L467549/L467510	435	420	484	498	3.3	3.3	0.37	1.6	0.9	27.6
	546.1	76.2	61.12	55.562	6.4	6.4	815	1650	560	750	112.9	EE234160/234215	444	424	507	529	6.4	6.4	0.48	1.3	0.69	44.3
	546.1	87.313	87.313	68.263	6.4	6.4	1330	2870	560	750	105.1	M667944/M667911	427	438	510	525	6.4	6.4	0.42	1.44	0.79	53.7

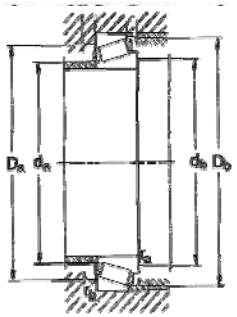
Single-row Taper Roller Bearing

(Inch Series)

WSW





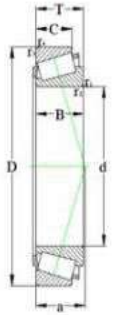


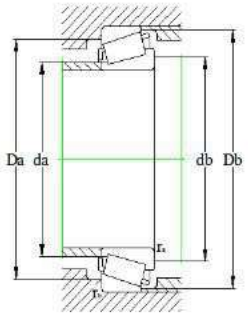
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a		damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
406.4	549.275	85.725	84.138	61.912	6.4	3.3	1260	2720	530	700	101.1	LM567949/LM567910	447	425	517	535	6.4	3.3	0.41	1.5	0.81	53.2
	558.8	65.088	61.12	44.45	6.4	6.4	815	1650	530	700	101.8	EE234160/234220	444	424	516	536	6.4	6.4	0.48	1.3	0.69	43.8
	574.675	76.2	67.866	50.8	6.8	3.3	920	1850	530	700	114	EE285160/285226	453	429	534	552	6.8	3.3	0.5	1.2	0.66	53.2
	590.55	107.95	107.95	80.963	9.5	6.4	1780	3540	530	700	100	EE833160X/833232	433	453	545	560	9.5	6.4	0.32	1.85	1.02	89.7
	609.524	82.55	79.375	60.325	7.9	6.4	1520	3030	530	700	95.9	EE736160/736238	430	476	565	570	7.9	6.4	0.35	1.73	0.95	76.2
	609.6	92.075	84.138	60.325	6.7	6.4	1430	2640	530	700	105.6	EE911600/912400	428	466	555	570	6.7	6.4	0.38	1.57	0.86	80.1
	673.1	88.9	87.833	60.325	6.4	3.3	1750	3100	530	700	110	EE571602/572650	479	457	629	647	6.4	3.3	0.4	1.5	0.83	119
	762	180.975	161.925	107.95	12.7	12.7	3690	6100	380	500	250	H969249/H969210	446	467	723	723	12	12	0.94	0.64	0.35	320
409.575	546.1	87.313	87.312	68.263	6.4	6.4	1330	2870	380	500	105.1	M667947/M667911	430	438	510	525	6.4	6.4	0.42	1.44	0.79	52.4
	546.1	87.312	87.312	68.262	6.4	6.4	1350	3050	380	500		M667948/M667911	440	431	510	528	6.4	6.4	0.42	1.43	0.79	49.8
	546.1	87.313	87.313	66.675	6.4	6.4	1330	2870	380	500	105.1	M667948/M667910	430	438	510	525	6.4	6.4	0.42	1.44	0.79	52.2
	574.675	76.2	67.866	50.8	6.8	3.3	920	1850	380	500	114	EE285162/285226	455	431	534	552	6.8	3.3	0.5	1.2	0.66	52.1
411.162	609.6	92.075	84.138	60.325	6.8	6.4	1470	2750	500	670	103.9	EE911618/912400	461	440	566	586	6.8	6.4	0.38	1.6	0.86	80.7
415.925	590.55	114.3	114.3	88.9	6.4	6.4	1860	4250	500	670	105	M268749/M268710	437	459	545	560	6.4	6.4	0.34	1.8	1	94.5
	590.55	114.3	114.3	88.9	6.4	6.4	2120	4800	500	670	104	M268749/M268710	448	453	560	563	6	6	0.33	1.8	1	120
425.45	685.698	142.875	142.8	104.775	12.7	6.4	3050	5700	500	670	135.1	EE328167/328269	497	462	630	661	12.7	6.4	0.4	1.5	0.83	193
430.212	603.25	76.2	73.025	50.8	6.4	6.4	1240	2250	500	670	122.1	EE241693/242375	479	457	564	585	6.4	6.4	0.52	1.1	0.63	62
431.8	533.4	46.038	46.038	34.925	3.3	3.3	580	1380	500	670	69.3	EE80385/80325	458	447	511	521	3.3	3.3	0.31	2	1.1	20.8
	552.45	44.45	44.45	31.75	3.3	3.3	610	1480	500	670	71	80170/80217	467	456	530	538	3.3	3.3	0.32	1.9	1	25.8
	571.5	73.025	73.025	53.975	3.2	3.2	980	2150	500	670	96.5	EE239170/239225	446	469	535	540	3.2	3.2	0.38	1.57	0.86	45.6
	565.15	44.45	44.45	31.75	3.3	3.3	610	1480	500	670	71	80170/80222	467	456	536	545	3.3	3.3	0.32	1.9	1	28.6
	571.5	74.612	74.612	52.388	3.3	3.3	1080	2350	500	670	122.6	LM869448/LM869410	471	448	539	560	3.3	3.3	0.55	1.1	0.6	47.9
	571.5	76.2	73.025	57.15	3.2	3.2	980	2150	500	670	99.7	EE239170/239225A	446	469	535	540	3.2	3.2	0.38	1.57	0.86	46.8
	571.5	89.694	89.77	66.75	6.4	6.4	1450	3450	500	670	111	BT1B328284/HA1	464	460	540	550	6	6	0.44	1.35	0.8	60
	603.25	76.2	73.025	50.8	6.4	6.4	1240	2500	480	600	122.1	EE241701/242375	480	458	564	585	6.4	6.4	0.52	1.1	0.63	61.4
	673.1	88.9	87.833	60.325	6.4	3.3	1750	3100	480	600	110	EE571703/572650	491	469	629	647	6.4	3.3	0.4	1.5	0.83	108

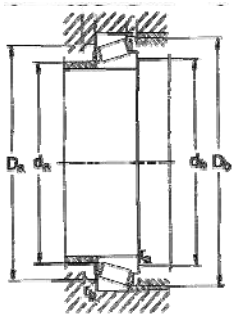
Single-row Taper Roller Bearing

(Inch Series)

WSW





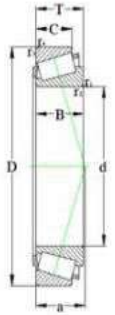


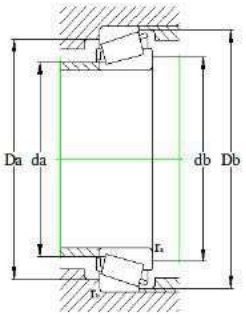
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
441.325	660.4	91.28	85.725	62.705	10.4	6.4	1350	2630	480	600	109.5	EE737173/737260	470	510	600	610	10.4	6.4	0.37	1.6	0.88	95.5
444.5	635	120.65	120.65	95.25	6.4	6.4	2290	5250	480	600	113.8	M270744/M270710	465	495	585	600	6.4	6.4	0.33	1.8	0.99	120
447.675	552.45	44.45	44.45	31.75	3.3	3.3	610	1480	480	600	71	80176/80217	475	464	530	538	3.3	3.3	0.32	1.9	1	22
	565.15	44.45	44.45	31.75	3.3	3.3	610	1480	480	600	71	80176/80222	475	464	536	545	3.3	3.3	0.32	1.9	1	24.8
	635	120.65	120.65	95.25	6.4	6.4	1900	4350	450	600	114.6	M270749/M270710	502	474	591	617	6.4	6.4	0.33	1.8	0.99	117
450.85	603.25	85.725	84.138	60.325	6.4	3.3	1310	2900	450	600	115.9	LM770945/LM770910	496	471	570	590	6.4	3.3	0.45	1.3	0.73	62.5
456.692	660.4	92.075	91.262	63.5	6.4	6.4	1350	2630	450	600	110.3	EE737179X/737262	478	510	600	610	6.4	6.4	0.37	1.6	0.88	90.5
456.794	761.873	142.875	142.875	101.6	16	6.4	3240	5610	450	600	154.5	EE425179A/425299	497	530	685	710	16	6.4	0.44	1.35	0.74	242
457.073	573.088	74.613	74.612	57.15	6.4	6.4	1100	2930	450	600	100.4	L570648/L570610	478	484	540	550	6.4	6.4	0.4	1.49	0.82	42.8
457.2	552.45	44.45	44.45	31.75	3.3	3.3	615	1340	450	600		80180/80217	474	471	531	536	3.3	3.3	0.32	1.88	1.04	18.7
	573.088	74.612	74.612	57.15	6.4	6.4	1020	2610	500	670	101.2	L570649/L570610	493	472	542	562	6.4	6.4	0.4	1.5	0.83	42
	596.9	76.2	73.025	53.975	9.5	3.3	1040	2360	500	670	102	EE244180/244235	500	475	565	580	9.5	3.3	0.4	1.5	0.82	49.9
	603.25	85.725	84.138	60.325	6.4	3.3	1310	2900	480	630	115.9	LM770949/LM770910	499	474	570	590	6.4	3.3	0.45	1.3	0.73	59.5
	615.95	85.725	85.725	66.675	6.4	6.4	1470	3800	450	600	98	LM272235/LM272210	489	512	584	596	6	6	0.33	1.8	1	72
	660.4	91.28	85.725	62.705	10.4	6.4	1550	2780	450	600	106.9	EE737181/737260	507	479	615	636	10.4	6.4	0.37	1.6	0.88	86.2
	660.4	92.075	85.725	63.5	10.4	6.4	1350	2630	450	600	110.3	EE737181/737262	486	510	600	610	10.4	6.4	0.37	1.6	0.88	88.5
	730.148	120.65	114.3	82.55	9.5	6.4	2420	4120	450	600	128.9	EE671801/672873	484	520	660	680	9.5	6.4	0.39	1.53	0.84	163
476.25	565.15	41.275	41.275	31.75	3.3	3.3	535	1340	450	600	100.2	LL771948/LL771911	502	489	545	557	3.3	3.3	0.47	1.3	0.7	18.2
479.425	679.45	128.588	128.588	101.6	6.4	6.4	2800	6400	450	600	121.1	M272749/M272710	535	504	635	663	6.4	6.4	0.34	1.8	0.97	148
482.6	615.95	53.975	46.038	41.275	3.3	3.3	780	1700	450	600	90	80480/80425	516	503	588	600	3.3	3.3	0.35	1.7	0.95	35.2
	615.95	85.725	85.725	66.675	6.4	6.4	1390	3450	450	600	106.1	LM272249/LM272210	522	501	582	604	6.4	6.4	0.37	1.6	0.88	59.8
	634.873	80.962	80.962	63.5	6.4	3.3	1340	3300	450	600	99.1	EE243190/243250	530	508	606	622	6.4	3.3	0.34	1.8	0.97	67.6
488.671	660.4	93.662	94.458	69.85	6.4	6.4	1700	3800	450	600	98.2	EE640191/640260	535	511	624	643	6.4	6.4	0.31	2	1.1	87.7

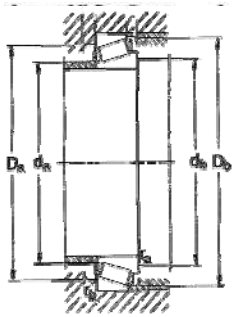
Single-row Taper Roller Bearing

(Inch Series)

WSW





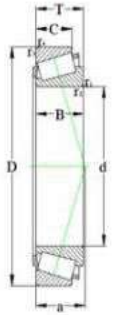


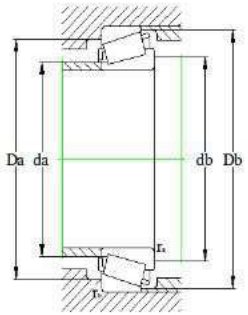
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
488.95	634.873	84.138	84.138	61.912	6.4	3.3	1370	3200	450	600	124.7	LM772748/LM772710	532	508	602	623	6.4	3.3	0.47	1.3	0.7	63.9
	660.4	93.662	94.458	69.85	6.4	6.4	1700	3800	450	600	98.2	EE640192/640260	535	511	624	643	6.4	6.4	0.31	2	1.1	87.6
489.026	634.873	80.962	80.962	63.5	6.4	3.3	1340	3300	450	600	99.1	EE243192/243250	533	512	606	622	6.4	3.3	0.34	1.8	0.97	64.5
498.323	634.873	80.963	80.962	63.5	6.4	3.2	1320	3290	450	600	100	EE243197/243250	520	530	595	605	6.4	3.2	0.34	1.75	0.96	58.7
498.399	634.873	80.962	80.962	63.5	6.4	3.3	1470	3650	450	600	100	EE243196AX/243250	530	522	616	610	6	3	0.35	1.7	0.9	60
498.475	634.873	80.962	80.962	63.5	6.4	3.3	1340	3300	450	600	99.1	EE243196/243250	538	516	606	622	6.4	3.3	0.34	1.8	0.97	59.9
498.653	634.873	80.962	80.962	63.5	6.4	3.3	1470	3650	450	600	100	EE243196AS/243250	530	522	616	610	6	3	0.35	1.7	0.9	59.5
501.65	711.2	136.525	136.525	106.363	6.4	6.4	2800	6410	450	600	126.8	M274149/M274110	525	550	655	675	6.4	6.4	0.33	1.8	0.99	164
505.968	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	450	600	134.9	EE981992/982900	571	547	693	712	6.4	3.3	0.48	1.3	0.69	114
508	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	450	600	134.9	EE982003/982900	572	548	693	712	6.4	3.3	0.48	1.3	0.69	113
	838.2	146.03	139.7	104.775	9.5	9.5	3320	5860	400	530	170.6	EE426200/426330	540	590	755	780	9.5	9.5	0.48	1.26	0.69	
514.35	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	400	530	134.9	EE982028/982900	576	551	693	712	6.4	3.3	0.48	1.3	0.69	109
520.7	736.6	88.9	81.758	53.975	6.4	3.3	1620	3400	400	530	134.9	EE982051/982900	579	554	693	712	6.4	3.3	0.48	1.3	0.69	106
533.4	635	50.8	50.8	38.1	6.4	6.4	705	1800	400	530	101.4	LL575343/LL575310	566	549	610	626	6.4	6.4	0.4	1.5	0.82	28.2
	784.225	88.9	82.55	53.975	6.4	6.4	1750	3500	380	500	139.5	EE522102/523087	596	573	730	752	6.4	6.4	0.48	1.3	0.69	129
536.575	761.873	146.05	146.05	114.3	6.4	6.4	3360	8000	380	500	134	M276449/M276410	564	582	726	735	6	6	0.33	1.8	1	208
539.75	635	50.8	50.8	38.1	6.4	6.4	705	1800	430	560	101.4	LL575349/LL575310	569	552	610	626	6.4	6.4	0.4	1.5	0.82	26.1
546.1	736.6	76.2	76.2	50.8	6.4	6.4	1280	2590	400	530	142.2	EE542215/542290	598	574	695	715	6.4	6.4	0.51	1.2	0.65	79.7
549.275	692.15	80.962	80.962	61.912	6.4	6.4	1430	3550	560	750	113.1	L476549/L476510	591	568	658	679	6.4	6.4	0.38	1.6	0.88	67.4
558.8	736.6	76.2	76.2	50.8	6.4	6.4	1280	2590	380	500	142.2	EE542220/542290	604	581	695	715	6.4	6.4	0.51	1.2	0.65	73.2
	736.6	88.108	88.108	63.5	6.4	6.4	1750	3900	380	500	111.3	EE843220/843290	606	585	699	718	6.4	6.4	0.34	1.8	0.97	93.7

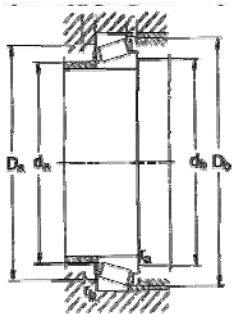
Single-row Taper Roller Bearing

(Inch Series)

WSW





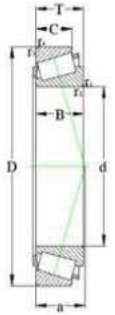


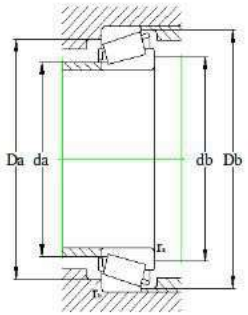
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
									脂润滑	油润滑												参考
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	Refer.
558.8	736.6	104.775	104.775	80.963	6.4	6.4	2090	4940	380	500	120.3	LM377448/LM377410	580	600	690	705	6.4	6.4	0.35	1.73	0.95	114
	736.6	104.775	104.775	80.962	6.4	6.4	2300	5600	380	500	120.7	LM377449/LM377410	607	581	696	720	6.4	6.4	0.35	1.7	0.95	118
571.5	812.8	155.575	155.575	120.65	6.4	6.4	4000	9300	370	470	143.6	M278749/M278710	634	601	759	790	6.4	6.4	0.33	1.8	0.99	256
571.6	812.8	155.575	158.75	120.65	6.4	6.4	3790	8760	370	470	143.2	M278749/M278710	595	630	750	775	6.4	6.4	0.33	1.8	0.99	254
584.2	685.8	49.212	49.212	34.925	3.5	3.3	735	1970	370	470	114.3	LL778149/LL778110	613	599	663	675	3.5	3.3	0.44	1.4	0.75	29.6
	901.7	150.02	139.7	107.95	7.9	9.5	3900	7360	360	460	152.6	EE662303/663550	610	670	830	840	7.9	9.5	0.33	1.81	1	319
596.9	685.8	31.75	31.75	25.4	3.5	3.3	380	995	340	450	124.9	680235/680270	621	610	664	675	3.5	3.3	0.52	1.1	0.63	17.4
602.945	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	129.2	EE649237/649310	655	629	749	771	6.4	6.4	0.37	1.6	0.89	115
607.72	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	129.2	EE649239/649310	658	631	749	771	6.4	6.4	0.37	1.6	0.89	111
609.345	787.4	93.663	93.662	69.85	6.4	6.4	1980	4970	340	450	126.9	EE649238/649310	635	650	740	750	6.4	6.4	0.37	1.61	0.89	112
609.397	762	95.25	92.075	71.438	6.4	6.4	1700	4510	340	450	153	L879946/L879910	635	640	720	740	6.4	6.4	0.49	1.23	0.67	91.4
609.6	762	95.25	92.075	71.438	6.4	6.4	1780	4700	340	450	152.9	L879947/L879910	656	627	722	750	6.4	6.4	0.49	1.2	0.68	93.3
	774.7	85.725	79.375	60.32	6.4	6.4	1780	4250	340	450	130.5	L580049/L580010	654	634	737	755	6.4	6.4	0.4	1.5	0.82	90.1
	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	129.2	EE649240/649310	659	632	749	771	6.4	6.4	0.37	1.6	0.89	110
	787.4	93.662	93.662	69.85	6.4	6.4	2000	4800	340	450	125	EE649240AX/649310	637	643	760	755	6	6	0.37	1.6	0.9	110
	812.8	82.55	82.55	60.325	6.4	6.4	1910	4290	340	450	112.7	EE743240/743320	635	660	755	765	6.4	6.4	0.33	1.83	1.01	112
635	736.6	57.15	53.975	41.275	3.3	3.3	870	2500	340	450	125	80780/80720	664	648	712	726	3.3	3.3	0.44	1.4	0.75	36.6
653.928	933.45	179.388	177.8	141.288	12	6.4	5040	11500	320	430	167.7	M281635/M281610	690	720	870	890	12	6.4	0.33	1.8	0.99	384
660.235	812.8	95.25	95.25	73.025	6.4	6.4	2000	5270	320	430	123.8	L281146/L281110	685	695	775	790	6.4	6.4	0.33	1.8	0.99	100
660.4	812.8	95.25	95.25	73.025	6.4	6.4	2000	5270	320	430	123.8	L281147/L281110	685	695	775	790	6.4	6.4	0.33	1.8	0.99	100
	812.8	95.25	95.25	73.025	6.4	6.4	2200	5900	320	430	123.1	L281148/L281110	701	678	778	799	6.4	6.4	0.33	1.8	0.99	105
	854.075	85.725	85.468	60.325	9.7	6.4	2000	4650	320	430	124.5	EE749260/749336	712	690	813	831	9.7	6.4	0.35	1.7	0.94	119

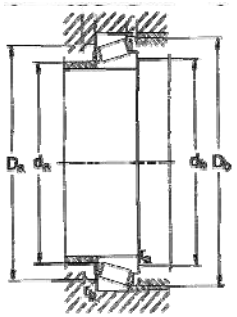
Single-row Taper Roller Bearing

(Inch Series)

WSW





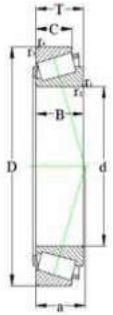


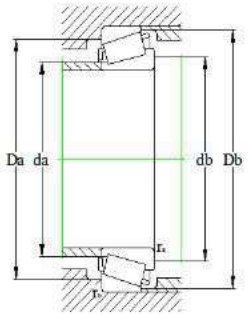
基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号 Bearing Numbers	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a	Bearing Numbers	damax	dbmin	Damax	Dbmin	ramax	rbmax	e	Y	Y0	参考 Refer.
673.1	793.75	66.675	61.912	49.212	6.4	6.4	995	2660	320	430	119.7	LL481448/LL481411	708	691	764	781	6.4	6.4	0.36	1.7	0.92	52
679.45	901.7	142.875	142.875	111.125	9.7	6.4	3580	9000	280	380	149	LM281849/LM281810	730	728	870	867	9	6	0.33	1.8	1	242
685.8	876.3	93.662	92.075	69.85	6.4	6.4	2160	5550	300	400	149.9	EE655270/655345	737	712	832	857	6.4	6.4	0.42	1.4	0.79	134
711.2	914.4	85.725	82.55	60.325	6.4	6.4	1870	4800	280	380	140.5	EE755280/755360	767	746	870	891	6.4	6.4	0.38	1.6	0.87	136
719.854	914.4	84.138	80.963	60.325	4.8	6.4	1760	4470	280	380	139.3	EE755282/755360	740	780	870	870	4.8	6.4	0.38	1.58	0.87	123
723.9	914.4	84.138	80.962	60.325	3.3	6.4	1870	4800	280	380	140.5	EE755285/755360	770	752	870	891	3.3	6.4	0.38	1.6	0.87	126
736.6	825.5	31.75	31.75	25.4	3.5	3.3	429	1370	300	400	119	LL582949/LL582910B	754	767	804	809	3	3	0.4	1.5	0.8	22.5
	825.5	31.75	31.75	25.4	3.6	3.2	497	1550	300	400	117	LL582949/LL582910	755	760	800	800	3.6	3.2	0.4	1.51	0.83	21.3
749.3	965.2	93.663	80.963	66.675	6.4	3.2	1830	4790	280	380	159.7	EE752295/752380	775	820	910	920	6.4	3.2	0.4	1.49	0.82	152
	990.6	159.5	160.338	123	6.4	6.4	4400	11700	280	380	165.2	LM283649/LM283610	815	782	938	969	6.4	6.4	0.33	1.8	0.99	329
758.825	901.7	66.675	65.088	46.038	6.4	6.4	1410	3790	280	380	149.9	LL783647/LL783610	785	790	870	870	6.4	6.4	0.44	1.36	0.75	71.2
759.925	889	69.85	69.85	50.8	3.3	3.3	1230	3800	280	380	132	LL483448/33483418	782	785	867	858	3	3	0.37	1.6	0.9	67.5
	889	88.9	88.9	72	3.3	3.3	1940	6200	260	360	123	L183448/L183410	782	785	867	872	3	3	0.3	2	1.1	94
762	889	63.5	63.5	50.8	3.3	3.3	1160	3450	280	380	131.4	EE175301/175350	797	780	861	876	3.3	3.3	0.38	1.6	0.87	64.4
	889	69.85	69.85	50.8	3.2	3.2	1290	3920	280	380	132.3	EE175300/175350	780	790	860	860	3.2	3.2	0.38	1.58	0.87	69
	889	69.85	69.85	50.8	3.3	3.3	1160	3450	280	380	133.8	LL483449/LL483418	797	780	861	875	3.3	3.3	0.38	1.6	0.87	68.1
	889	88.9	88.9	72	3.3	3.3	1940	6200	260	360	123	L183449/L183410	784	785	867	872	3	3	0.3	2	1.1	92.5
	901.7	66.675	65.088	46.038	6.4	6.4	1410	3790	260	360	149.9	LL783649/LL783610	785	790	870	870	6.4	6.4	0.44	1.36	0.75	69.3
	965.2	93.662	80.962	66.675	6.4	3.3	2100	5200	260	360	158.8	EE752300/752380	815	793	926	943	6.4	3.3	0.4	1.5	0.83	147
774.7	965.2	93.663	80.962	66.675	6.4	3.2	1830	4790	240	340	159.7	EE752306/752380	800	820	910	920	6.4	3.2	0.4	1.49	0.82	133
	965.2	93.662	80.962	66.675	6.4	3.3	2100	5200	240	340	158.8	EE752305/752380	822	800	926	943	6.4	3.3	0.4	1.5	0.83	137
857.25	1092.2	120.65	111.125	76.2	19	6.4	2810	7350	200	300	228	EE157337/157430	912	912	1062	1047	18	6	0.57	1.05	0.6	245
889	1123.95	120.65	111.125	76.2	19	6.4	2860	6850	200	300	199	EE158350/158442	940	940	1070	1080	19	6.4	0.45	1.34	0.73	237

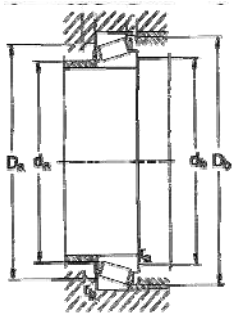
Single-row Taper Roller Bearing

(Inch Series)

WSW







基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		作用点 Load Center Spacings	轴承代号	相关安装尺寸(mm) Abutment and Fillet Dimensions						计算系数 Calculation Factors			质量(kg) Mass
d	D	T	B	C	r1.2min	r3.4min	Cr	Cor	脂润滑 Grease	油润滑 Oil	a	Bearing Numbers	d_{amax}	d_{bmin}	D_{amax}	D_{bmin}	r_{amax}	r_{bmax}	e	Y	Y_0	参考 Refer.
977.9	1130.3	66.675	63.5	47.625	6.4	6.4	1460	4350	180	260	182.9	LL687949/LL687910	1019	1002	1095	1112	6.4	6.4	0.43	1.4	0.76	101
1016	1270	101.6	101.6	66.675	9.7	9.7	2750	7500			229	EE168400/168500	1054	1087	1232	1214	9	9	0.5	1.2	0.7	275
1066.8	1219.2	65.088	65.088	42.862	3.3	3.3	1520	4750			209	LL788349/LL788310	1106	1090	1187	1202	3.3	3.3	0.47	1.3	0.7	108
1066.8	1320.8	95.25	88.9	69.85	6.4	6.4	2660	7140			170.5	EE776420/776520	1090	1140	1260	1280	6.4	6.4	0.57	1.05	0.58	270
1092.2	1320.8	95.25	88.9	69.85	6.4	6.4	2730	7650			270.7	EE776430/776520	1153	1128	1269	1301	6.4	6.4	0.57	1.1	0.58	249
1155.7	1435.1	120.65	120.65	95.25	6.4	6.4	4150	12000			207.3	EE277455/277565	1227	1199	1377	1403	6.4	6.4	0.36	1.7	0.92	431
1270	1435.1	69.85	65.088	47.625	6.4	6.4	1630	5550			285.4	LL889049/LL889010	1315	1294	1392	1413	6.4	6.4	0.57	1.1	0.58	144

Double Row Taper Roller Bearing

Double Row Taper Roller Bearing(Metric Serie

WSW

外 形 尺 寸 mm							轴承代号		内径mm	基本载荷KN		极限转速rpm		计算参数				参考重量
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$	新	旧	d	Cr	Cor	脂	油	e	Y_1	Y_2	Y_0	kg
100	180	107	46	87	3.0	1.0	352220E	97520E	100	555	925	1400	1900	0.42	1.6	2.4	1.6	10.7
110	180	95	42	76	2.0	0.6	352122	2097722	110	422	840	1300	1700	0.25	2.7	4.0	2.6	10.2
	200	121	53	101	3.0	1.0	352222E	97522E		698	1210	1200	1600	0.42	1.6	2.4	1.6	15.5
	200	125	56.5	102	3.0	1.0	352222X2	97522		595	1120	1200	1600	0.39	1.7	2.6	1.7	16.4
120	200	110	48	90	2.0	0.6	352124	2097724	120	508	910	1100	1500	0.30	2.2	3.3	2.2	12.6
	215	132	58	109	3.0	1.0	352224E	97524E		775	1360	1100	1400	0.44	1.6	2.3	1.5	18.9
	215	132	60	106	3.0	1.0	352224X2	97524		698	1340	1100	1400	0.41	1.6	2.5	1.6	19.1
130	180	70	30	50	2.0	0.6	352926X2	2097926	130	258	565	1200	1600	0.27	2.5	3.7	2.4	4.88
	200	95	42.5	75	2.5	0.6	352026X2	2097126		422	830	1100	1500	0.35	1.9	2.9	1.9	9.72
	210	110	48	90	2.0	0.6	352126	2097726		540	1000	1000	1400	0.26	2.6	3.8	2.5	12.9
	230	145	64	117.5	4.0	1.0	352226E	97526E		895	1630	1000	1300	0.44	1.6	2.3	1.5	24.1
140	210	95	41.5	75	2.5	0.6	352028X2	2097128	140	448	900	950	1300	0.37	1.8	2.7	1.8	8.35
	225	115	50	90	2.5	1.0	352128	2097728		560	1110	950	1300	0.34	2.0	3.0	2.0	15.3
	250	153	68	125.5	4.0	1.0	352228E	97528E		1050	1840	850	1100	0.44	1.6	2.3	1.5	30.1
	250	158	73	128	4.0	1.0	352228X2	97528		985	1840	850	1100	0.33	2.1	3.1	2.0	30.6
150	210	80	35	62	2.5	0.6	352930X2	2097930	150	352	790	950	1300	0.27	2.5	3.7	2.4	9.32
	250	138	60	112	2.5	1.0	352130	2097730		778	1560	850	1100	0.30	2.2	3.3	2.2	25.8
	270	172	80	138	4.0	1.0	352230X2	97530E		1070	2180	800	1100	0.39	1.7	2.6	1.7	38.9
160	240	115	51	90	3.0	1.0	352032X2	2097132	160	608	1260	850	1100	0.37	1.8	2.7	1.8	16.5
	270	150	66	120	2.5	1.0	352132	2097732		872	1720	800	1000	0.36	1.9	2.8	1.8	28.2
	290	178	80	144	4.0	1.0	352232E	97532E		1390	2840	700	1000	0.44	1.6	2.3	1.5	46.9
165	290	150	70	125	3.0	1.0	350633	97833	165	1100	2300	850	1100	0.37	1.8	2.7	1.8	41.1
170	230	82	36	65	2.5	0.6	352934X2	2097934	170	395	922	850	1100	0.28	2.4	3.6	2.3	8.11
	260	120	54	95	3.0	1.0	352034X2	2097134		672	1460	800	1000	0.31	2.2	3.2	2.1	20.4
	280	150	66	120	2.5	1.0	352134	2097734		962	2000	750	950	0.38	1.8	2.6	1.7	35.6
	310	192	86	152	5.0	1.1	352234E	97534E		1580	3200	750	950	0.44	1.6	2.3	1.5	58.2

Double Row Taper Roller Bearing(Metric Serie

WSW

外形尺寸 mm							轴承代号		内径mm	基本载荷KN		极限转速rpm		计算参数				参考重量
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$	新	旧	d	Cr	Cor	脂	油	e	Y_1	Y_2	Y_0	kg
180	250	95	42.5	74	2.5	0.6	352936X2	2097936	180	468	1080	800	1000	0.37	1.8	2.7	1.8	13.2
	280	134	61	108	3.0	1.0	352036X2	2097136		742	1540	750	950	0.28	2.4	3.6	2.4	28.5
	300	164	72	134	3.0	1.0	352136	2097736		1100	2350	700	900	0.26	2.6	3.8	2.6	39.9
	320	192	86	152	5.0	1.1	352236E	97536E		1620	3350	670	850	0.45	1.5	2.2	1.5	63.8
190	260	95	41.5	75	2.5	0.6	352938X2	2097938	190	522	1270	750	950	0.38	1.8	2.6	1.7	13.3
	290	134	61	104	3.0	1.0	352038X2	2097138		742	1540	700	900	0.45	1.5	2.2	1.5	28.8
	320	170	78	130	3.0	1.0	352138	2097738		1160	2420	670	850	0.31	2.2	3.2	2.1	52.5
	340	204	92	160	5.0	1.1	352238E	97538E		1740	3350	600	800	0.44	1.6	2.3	1.5	69.8
200	280	105	46.5	80	3.0	1.0	352940X2	2097940	200	610	1520	700	900	0.39	1.8	2.6	1.7	18.1
	310	152	70	120	3.0	1.0	352040X2	2097140		912	2140	670	850	0.39	1.7	2.6	1.7	39.4
	340	184	82	150	3.0	1.0	352140	2097740		1450	2970	630	800	0.25	2.7	4.0	2.7	63.8
	360	218	98	174	5.0	1.1	352240E	97540E		2140	3950	560	700	0.41	1.7	2.5	1.6	93.3
220	300	110	49	88	3.0	1.0	352944X2	2097944	220	660	1580	670	850	0.31	2.2	3.2	2.1	21.7
	340	165	76	130	4.0	1.0	352044X2	2097144		1240	2680	600	750	0.35	1.9	2.9	1.9	49.5
	370	195	88	150	4.0	1.1	352144	2097744		1540	3240	600	750	0.37	1.8	2.7	1.8	76.3
240	320	110	49	90	3.0	1.0	352948X2	2097948	240	660	1580	600	750	0.32	2.1	3.1	2.1	22.2
	360	165	76	130	4.0	1.0	352048X2	2097148		1240	2820	530	670	0.33	2.0	3.0	2.0	52.8
	400	210	95	163	4.0	1.1	352148	2097748		1870	4050	500	630	0.31	2.2	3.2	2.1	98.1
260	360	134	61	108	3.0	1.0	352952X2-1	2097952	260	942	2490	530	670	0.37	1.8	2.7	1.8	37.3
	400	186	87	146	5.0	1.1	352052X2	2097152		1570	3600	500	630	0.30	2.3	3.3	2.2	79.3
	440	225	106	180	4.0	1.1	352152	2097752		2210	4720	450	560	0.24	2.8	4.2	2.8	124
280	380	134	61	108	3.0	1.0	352956X2	2097956	280	1080	2810	480	600	0.29	2.3	3.4	2.3	41.3
	420	186	85	146	5.0	1.1	352056X2	2097156		1700	3880	450	560	0.37	1.8	2.7	1.8	81.5
300	420	160	72	128	4.0	1.0	352960X2-1	2097960	300	1360	3610	450	560	0.28	2.4	3.6	2.3	60.8
	460	210	97	165	5.0	1.1	352060X2	2097160		1830	4390	430	530	0.31	2.2	3.2	2.1	117
	500	205	90	165	5.0	1.5	351160	1097760		2110	4460	400	500	0.32	2.1	3.2	2.1	143

外形尺寸 mm							轴承代号		内径mm	基本载荷KN		极限转速rpm		计算参数				参考重量
									d	Cr	Cor	脂	油	e	Y_1	Y_2	Y_0	kg
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$	新	旧										
320	440	160	72	128	4.0	1.0	352964X2	2097964	320	1410	3830	430	530	0.30	2.3	3.3	2.2	67.6
	480	210	97	160	5.0	1.1	352064X2	2097164		1830	4390	400	500	0.42	1.6	2.4	1.6	122
340	460	160	72	128	4.0	1.0	352968X2	2097968	340	1450	4050	400	500	0.31	2.2	3.2	2.1	71.5
	520	180	82	135	5.0	1.5	351068	97168		1870	4070	380	480	0.29	2.3	3.4	2.3	128
	580	242	106	170	5.0	1.5	351168	1097768		2870	5970	340	430	0.42	1.6	2.4	1.6	235
360	480	160	72	128	4.0	1.0	352972X2	2097972	360	1490	4270	380	480	0.33	2.1	3.1	2.0	74.3
	540	185	82	140	5.0	1.5	351072	97172		2120	4910	360	450	0.30	2.3	3.3	2.2	132
	600	242	106	170	5.0	1.5	351172	1097772		2950	6270	320	400	0.44	1.5	2.3	1.5	235
380	520	145	65	105	4.0	1.1	351976	1097976	380	1210	3250	360	450	0.43	1.6	2.3	1.6	80.3
	560	190	82	140	5.0	1.5	351076	97176		2150	5090	340	430	0.31	2.2	3.2	2.1	146
	620	242	106	170	5.0	1.5	351176	1097776		3310	7430	300	380	0.46	1.5	3.2	1.4	264
400	540	150	65	105	4.0	1.1	351980	1097980	400	1210	3110	320	400	0.45	1.5	2.2	1.5	86.9
	600	206	90	150	5.0	1.5	351080	97180		2620	6380	300	380	0.40	1.7	2.5	1.7	180
420	560	145	65	105	4.0	1.1	351984	1097984	420	1450	3740	300	380	0.31	2.2	3.2	2.1	88.8
	620	206	90	150	5.0	1.5	351084	97184		2650	6600	280	360	0.41	1.6	2.5	1.6	196
	700	275	122	200	6.0	2.5	351184	1097784		4270	8810	240	320	0.32	2.1	3.2	2.1	392
440	600	170	74	125	4.0	1.1	351988	1097988	440	1890	4860	280	360	0.39	1.8	2.6	1.7	114
	650	212	94	152	6.0	2.5	351088	97188		2750	7020	260	340	0.43	1.6	2.3	1.5	213
460	620	174	74	130	4.0	1.1	351992	1097992	460	1910	4990	260	340	0.40	1.7	2.5	1.7	128
	680	230	100	175	6.0	2.5	351092	97192		3320	8160	220	300	0.31	2.2	3.2	2.1	253
480	650	180	78	130	5.0	1.5	351996	1097996	480	1950	5270	240	320	0.42	1.6	2.0	1.6	133
	700	240	100	180	6.0	2.5	351096	97196		3330	8190	200	280	0.32	2.1	3.1	2.1	281
	790	310	136	224	7.5	3.0	351196	1097796		5000	11990	180	240	0.41	1.6	2.5	1.6	561
500	670	180	78	130	5.0	1.5	3519/500	10979/500	500	2150	6120	220	300	0.44	1.5	2.3	1.5	129
	720	236	100	180	6.0	2.5	3510/500	971/500		3390	8450	190	260	0.33	2.0	3.0	2.0	289
530	710	190	82	136	5.0	1.5	3519/530	10979/530	530	2390	6800	190	260	0.41	1.6	2.5	1.6	192

外形尺寸 mm							轴承代号		内径mm	基本载荷KN		极限转速rpm		计算参数				参考重量
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$	新	旧	d	Cr	Cor	脂	油	e	Y_1	Y_2	Y_0	kg
180	250	95	42.5	74	2.5	0.6	352936X2	2097936	180	468	1080	800	1000	0.37	1.8	2.7	1.8	13.2
	280	134	61	108	3.0	1.0	352036X2	2097136		742	1540	750	950	0.28	2.4	3.6	2.4	28.5
	300	164	72	134	3.0	1.0	352136	2097736		1100	2350	700	900	0.26	2.6	3.8	2.6	39.9
	320	192	86	152	5.0	1.1	352236E	97536E		1620	3350	670	850	0.45	1.5	2.2	1.5	63.8
190	260	95	41.5	75	2.5	0.6	352938X2	2097938	190	522	1270	750	950	0.38	1.8	2.6	1.7	13.3
	290	134	61	104	3.0	1.0	352038X2	2097138		742	1540	700	900	0.45	1.5	2.2	1.5	28.8
	320	170	78	130	3.0	1.0	352138	2097738		1160	2420	670	850	0.31	2.2	3.2	2.1	52.5
	340	204	92	160	5.0	1.1	352238E	97538E		1740	3350	600	800	0.44	1.6	2.3	1.5	69.8
200	280	105	46.5	80	3.0	1.0	352940X2	2097940	200	610	1520	700	900	0.39	1.8	2.6	1.7	18.1
	310	152	70	120	3.0	1.0	352040X2	2097140		912	2140	670	850	0.39	1.7	2.6	1.7	39.4
	340	184	82	150	3.0	1.0	352140	2097740		1450	2970	630	800	0.25	2.7	4.0	2.7	63.8
	360	218	98	174	5.0	1.1	352240E	97540E		2140	3950	560	700	0.41	1.7	2.5	1.6	93.3
220	300	110	49	88	3.0	1.0	352944X2	2097944	220	660	1580	670	850	0.31	2.2	3.2	2.1	21.7
	340	165	76	130	4.0	1.0	352044X2	2097144		1240	2680	600	750	0.35	1.9	2.9	1.9	49.5
	370	195	88	150	4.0	1.1	352144	2097744		1540	3240	600	750	0.37	1.8	2.7	1.8	76.3
240	320	110	49	90	3.0	1.0	352948X2	2097948	240	660	1580	600	750	0.32	2.1	3.1	2.1	22.2
	360	165	76	130	4.0	1.0	352048X2	2097148		1240	2820	530	670	0.33	2.0	3.0	2.0	52.8
	400	210	95	163	4.0	1.1	352148	2097748		1870	4050	500	630	0.31	2.2	3.2	2.1	98.1
260	360	134	61	108	3.0	1.0	352952X2-1	2097952	260	942	2490	530	670	0.37	1.8	2.7	1.8	37.3
	400	186	87	146	5.0	1.1	352052X2	2097152		1570	3600	500	630	0.30	2.3	3.3	2.2	79.3
	440	225	106	180	4.0	1.1	352152	2097752		2210	4720	450	560	0.24	2.8	4.2	2.8	124
280	380	134	61	108	3.0	1.0	352956X2	2097956	280	1080	2810	480	600	0.29	2.3	3.4	2.3	41.3
	420	186	85	146	5.0	1.1	352056X2	2097156		1700	3880	450	560	0.37	1.8	2.7	1.8	81.5
300	420	160	72	128	4.0	1.0	352960X2-1	2097960	300	1360	3610	450	560	0.28	2.4	3.6	2.3	60.8
	460	210	97	165	5.0	1.1	352060X2	2097160		1830	4390	430	530	0.31	2.2	3.2	2.1	117
	500	205	90	165	5.0	1.5	351160	1097760		2110	4460	400	500	0.32	2.1	3.2	2.1	143

Double-row Taper Roller Bearing (Inch Series)

WSW

外形尺寸 mm							轴承代号		内径mm	基本载荷KN		极限转速rpm		计算参数				参考重量
									d	Cr	Cor	脂	油	e	Y_1	Y_2	Y_0	kg
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$	新	旧										
320	440	160	72	128	4.0	1.0	352964X2	2097964	320	1410	3830	430	530	0.30	2.3	3.3	2.2	67.6
	480	210	97	160	5.0	1.1	352064X2	2097164		1830	4390	400	500	0.42	1.6	2.4	1.6	122
340	460	160	72	128	4.0	1.0	352968X2	2097968	340	1450	4050	400	500	0.31	2.2	3.2	2.1	71.5
	520	180	82	135	5.0	1.5	351068	97168		1870	4070	380	480	0.29	2.3	3.4	2.3	128
	580	242	106	170	5.0	1.5	351168	1097768		2870	5970	340	430	0.42	1.6	2.4	1.6	235
360	480	160	72	128	4.0	1.0	352972X2	2097972	360	1490	4270	380	480	0.33	2.1	3.1	2.0	74.3
	540	185	82	140	5.0	1.5	351072	97172		2120	4910	360	450	0.30	2.3	3.3	2.2	132
	600	242	106	170	5.0	1.5	351172	1097772		2950	6270	320	400	0.44	1.5	2.3	1.5	235
380	520	145	65	105	4.0	1.1	351976	1097976	380	1210	3250	360	450	0.43	1.6	2.3	1.6	80.3
	560	190	82	140	5.0	1.5	351076	97176		2150	5090	340	430	0.31	2.2	3.2	2.1	146
	620	242	106	170	5.0	1.5	351176	1097776		3310	7430	300	380	0.46	1.5	3.2	1.4	264
400	540	150	65	105	4.0	1.1	351980	1097980	400	1210	3110	320	400	0.45	1.5	2.2	1.5	86.9
	600	206	90	150	5.0	1.5	351080	97180		2620	6380	300	380	0.40	1.7	2.5	1.7	180
420	560	145	65	105	4.0	1.1	351984	1097984	420	1450	3740	300	380	0.31	2.2	3.2	2.1	88.8
	620	206	90	150	5.0	1.5	351084	97184		2650	6600	280	360	0.41	1.6	2.5	1.6	196
	700	275	122	200	6.0	2.5	351184	1097784		4270	8810	240	320	0.32	2.1	3.2	2.1	392
440	600	170	74	125	4.0	1.1	351988	1097988	440	1890	4860	280	360	0.39	1.8	2.6	1.7	114
	650	212	94	152	6.0	2.5	351088	97188		2750	7020	260	340	0.43	1.6	2.3	1.5	213
460	620	174	74	130	4.0	1.1	351992	1097992	460	1910	4990	260	340	0.40	1.7	2.5	1.7	128
	680	230	100	175	6.0	2.5	351092	97192		3320	8160	220	300	0.31	2.2	3.2	2.1	253
480	650	180	78	130	5.0	1.5	351996	1097996	480	1950	5270	240	320	0.42	1.6	2.0	1.6	133
	700	240	100	180	6.0	2.5	351096	97196		3330	8190	200	280	0.32	2.1	3.1	2.1	281
	790	310	136	224	7.5	3.0	351196	1097796		5000	11990	180	240	0.41	1.6	2.5	1.6	561
500	670	180	78	130	5.0	1.5	3519/500	10979/500	500	2150	6120	220	300	0.44	1.5	2.3	1.5	129
	720	236	100	180	6.0	2.5	3510/500	971/500		3390	8450	190	260	0.33	2.0	3.0	2.0	289
530	710	190	82	136	5.0	1.5	3519/530	10979/530	530	2390	6800	190	260	0.41	1.6	2.5	1.6	192

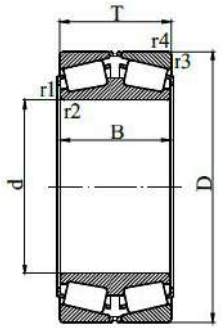
Double-row Taper Roller Bearing (Inch Series)

WSW

外形尺寸 mm							轴承代号		内径mm	基本载荷KN		极限转速rpm		计算参数				参考重量
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$	新	旧	d	Cr	Cor	脂	油	e	Y_1	Y_2	Y_0	kg
560	750	213	85	156	5.0	1.5	3519/560	10979/560	560	2550	7060	170	220	0.44	1.5	2.3	1.5	235
	820	260	115	185	6.0	2.5	3510/560	971/560		4340	10800	160	200	0.40	1.7	2.5	1.7	410
600	800	205	90	156	5.0	1.5	3519/600	10979/600	600	3210	9460	150	190	0.33	2.1	3.1	2.0	265
	870	270	118	198	6.0	2.5	3510/600	971/600		4880	12730	130	170	0.41	1.6	2.5	1.6	500
630	850	242	100	182	6.0	2.5	3519/630	10979/630	630	3730	10390	130	170	0.40	1.7	2.5	1.7	368
670	1090	410	185	295	7.5	3.0	3511/670	10977/670	670	9680	23200	90	120	0.32	2.1	3.2	2.1	1370
710	950	240	106	175	6.0	2.5	3519/710	10979/710	710	4070	12400	100	140	0.49	1.5	2.2	1.4	444
	1030	315	140	220	7.5	3.0	3510/710	971/710		6560	17930	90	120	0.43	1.6	2.3	1.5	810
750	1000	264	112	194	6.0	2.5	3519/750	10979/750	750	5020	14480	90	120	0.40	1.7	2.5	1.6	499
800	1060	270	115	204	6.0	2.5	3519/800	10979/800	800	5020	15000	80	100	0.35	1.9	2.9	1.9	604
850	1120	268	118	188	6.0	2.5	3519/850	10979/850	850	5460	16860	75	95	0.46	1.5	2.2	1.5	636
900	1180	275	122	205	6.0	2.5	3519/900	10979/900	900	5000	16200	70	90	0.39	1.7	2.6	1.7	730
950	1250	300	132	220	7.5	3.0	3519/950	10979/950	950	6790	21100	—	—	0.33	2.0	3.0	2.0	910

Double-row Taper Roller Bearing (Inch Series)

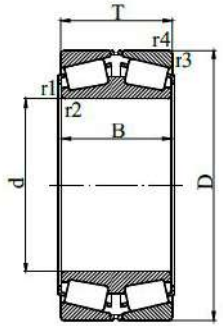
WSW



外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号			参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	FAG	TIMKEN	kg
152.400	222.250	84.138	84.138	1.5	1.5	605	1250	IDTB0001	152.400	0.33	2.00	3.00	2.00	331387		M231649D-M231610	11.5
177.800	247.650	90.488	90.488	1.5	3.3	660	1500	IDTB0002	177.800	0.44	1.50	2.30	1.40	331814	540696	67790D-67720	13.2
	288.925	123.825	123.825	1.5	3.3	1300	2280	IDTB0003		0.31	2.20	3.30	2.20	BT2B332534/HA1		94706D-94113	31.5
203.200	317.500	133.350	133.350	6.4	3.3	1170	2400	IDTB0004	203.200	0.52	1.30	1.90	1.30	BT2B332799			40.5
	368.300	158.750	152.400	3.3	3.3	1870	3350	IDTB0005		0.40	1.70	2.50	1.60	BT2B332683/HA1	541379		75.2
206.375	282.575	87.312	87.312	0.8	3.3	704	1660	IDTB0006	206.375	0.50	1.35	2.00	1.30	331388			17.3
	336.550	180.975	184.150	1.5	3.3	2120	4300	IDTB0007		0.33	2.00	3.00	2.00	BT2B328834		H242649D-H242610	66.5
220.000	340.000	140.000	200.000	1.5	3	1650	3350	IDTB0008	220.000	0.43	1.60	2.30	1.60	BT2B332873/HA4			50.5
234.950	327.025	93.662	93.662	1.5	3.3	842	2120	IDTB0009	234.950	0.40	1.70	2.50	1.60	BT2B332492			25.5
240.000	480.000	220.000	200.000	2.5	5	3360	5500	IDTB0010	240.000	0.72	0.94	1.40	0.90	BT2B332931			183
254.000	358.775	130.175	130.175	1.5	3.3	1540	3550	IDTB0011	254.000	0.33	2.00	3.00	2.00	332296/HA1	511577	M249748-M249710	43.5
	438.150	165.100	165.100	3.3	6.4	2510	4250	IDTB0012		0.35	1.90	2.90	1.80	BT2B332536/HA1	547757		100
269.875	381.000	136.525	136.525	3.3	3.3	1650	3750	IDTB0013	269.875	0.33	2.00	3.00	2.00	331223A	517563A	M252349D-M252310	51.2
279.587	380.898	117.475	117.475	1.5	3.3	1230	3200	IDTB0014	279.587	0.43	1.60	2.30	1.60	BT2B332899/HA1			41.5
288.925	406.400	165.100	234.950	1.6	3.2	2240	4900	IDTB0015	288.925	0.33	2.00	3.00	2.00	BT2B332870/HA4			73.5
300.038	422.275	150.812	150.812	3.3	3.3	2050	4750	IDTB0016	300.038	0.33	2.00	3.00	2.00	331951	542664	HM256849D-HM256810	70.3
303.212	495.300	263.525	263.525	3.3	6.4	4570	9800	IDTB0017	303.212	0.33	2.00	3.00	2.00	BT2B332685/HA1			212
317.500	422.275	128.588	128.588	1.5	3.3	1680	4150	IDTB0018	317.500	0.31	2.20	3.30	2.20	BT2B328699G/HA1		LM528648DW-LM528610	51.5
333.375	469.900	166.688	166.688	3.3	3.3	2460	5700	IDTB0019	333.375	0.33	2.00	3.00	2.00	BT2B328695A/HA1	510687A	HM261049TD-HM261010	92.5
	469.900	166.688	231.775	1.6	3.3	2460	5700	IDTB0020		0.33	2.00	3.00	2.00	BT2B332871/HA4			98.8
342.900	533.400	139.700	146.050	3.3	3.3	2380	4400	IDTB0021	342.900	0.33	2.00	3.00	2.00	331713A	515956		115
	533.400	139.700	146.050	3.3	3.3	2380	4400	IDTB1021		0.33	2.00	3.00	2.00	331713B			115
343.052	457.098	122.238	122.238	1.5	3.3	1510	3400	IDTB0022	343.052	0.48	1.40	2.10	1.40	332240A		LM761649DW-LM761610	54.6
346.075	488.950	104.775	95.250	1.5	6.4	1170	2750	IDTB0023	346.075	0.50	1.35	2.00	1.30	BT2B332913/HB1			62.5
	488.950	174.625	174.625	3.3	3.3	2640	6300	IDTB0024		0.33	2.00	3.00	2.00	BT2B328410C/HA1		HM262749TD-HM262710	113
	488.950	174.625	174.625	3.3	3.3	2550	6000	IDTB1024		0.33	2.00	3.00	2.00	331527C		EE161362D-EE161925	110

Double-row Taper Roller Bearing (Inch Series)

WSW



外形尺寸mm						基本载荷KN			内径mm	计算参数				参考国外轴承代号			参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	轴承代号	d	e	Y_1	Y_2	Y_0	SKF	FAG	TIMKEN	kg
360.000	680.000	330.000	300.000	4.0	7.5	7210	13400	IDTB0025	360.000	0.60	1.10	1.70	1.10	331729			540
368.300	523.875	185.738	185.738	3.3	6.4	3140	7500	IDTB0026	368.300	0.33	2.00	3.00	2.00	BT2B331836		HM265049D-HM265010	133
	523.875	185.738	185.738	3.3	6.4	3140	7500	IDTB1026		0.33	2.00	3.00	2.00	BT2B332468A/HA1		HM265049TD-HM265010	140
	596.900	165.100	158.750	6.4	6.4	3080	5850	IDTB0027		0.40	1.70	2.50	1.60	331905			160
384.175	546.100	193.675	193.675	3.3	6.4	3470	8300	IDTB0028	384.175	0.33	2.00	3.00	2.00	331158A	518240	HM266449DW-HM266410	152
390.000	546.100	141.288	141.288	3.3	6.4	2200	5100	IDTB0029	390.000	0.48	1.40	2.10	1.40	BT2B328705/HA1			102
406.400	546.100	138.113	138.113	1.5	6.4	2200	5100	IDTB0030	406.400	0.48	1.40	2.10	1.40	BT2B331840C/HA1		LM767749DW-LM767710	89.3
408.400	546.100	120.000	98.000	1.0	3.0	1510	3450	IDTB0031	408.400	0.88	0.77	1.15	0.80	BT2B328874/HA1			76.5
	546.100	150.000	125.000	1.5	3.3	1830	4750	IDTB0032		0.83	0.80	1.20	0.80	BT2B328466/HA1			99.4
409.575	546.100	161.925	161.925	1.5	6.4	2510	6550	IDTB0033	409.575	0.43	1.60	2.30	1.60	331714B		M667947DW-M667910	110
415.925	590.550	209.550	209.550	3.3	6.4	3910	9650	IDTB0034	415.925	0.33	2.00	3.00	2.00	BT2B328283/HA1		M268749DW-M268710	192
	590.550	209.550	209.550	3.3	6.4	3910	9650	IDTB1034		0.33	2.00	3.00	2.00	331445			192
430.000	535.000	84.000	84.000	1.0	3.0	1080	3000	IDTB0035	430.000	0.54	1.30	1.80	1.30	BT2B334013/HA1			44.5
447.625	635.000	223.838	223.838	3.3	6.4	4400	11000	IDTB0036	447.625	0.33	2.00	3.00	2.00	331562	518667	M270749DW-M270710	236
	635.000	223.838	223.838	3.3	6.4	4400	11000	IDTB1036		0.33	2.00	3.00	2.00	BT2B332911C/HA1		M270749TD-M270710	246
	635.000	223.838	223.838	3.3	6.4	4400	11000	IDTB2036		0.33	2.00	3.00	2.00	BT2B332911B/HB1		M270749TD-M270710/CL3	246
450.000	595.000	178.000	178.000	3.0	6.0	2970	8150	IDTB0037	450.000	0.33	2.00	3.00	2.00	BT2B328523/HA1		M270749DA/M270410	140
464.000	615.950	150.000	136.000	1.5	4.0	2160	5850	IDTB0038	464.000	0.83	0.80	1.20	0.80	BT2B328361/HA1			125
489.026	634.873	152.400	152.400	3.3	3.3	2750	7350	IDTB0039	489.026	0.35	1.90	2.90	1.80	BT2B331848		EE243193D-243250	130
491.000	635.000	148.000	128.000	1.5	3.3	1900	5300	IDTB0040	491.000	1.00	0.68	1.00	0.66	BT2B328381/HA1			120
500.000	730.000	280.000	280.000	3.0	6.0	6600	15600	IDTB0041	500.000	0.31	2.20	3.30	2.20	331676A			420
501.650	711.200	250.825	250.825	3.2	6.4	5500	13700	IDTB0042	501.650	0.33	2.00	3.00	2.00	331182	503772	M274149D-M274110	330
	673.100	184.150	184.150	3.3	6.4	3910	9650	IDTB1042		0.31	2.20	3.30	2.20	BT2B332547/HA1		M275349D-M275310	190
519.112	736.600	258.762	258.762	3.3	6.4	6050	15600	IDTB0043	519.112	0.33	2.00	3.00	2.00	BT2B332662/HB1			370
	736.600	258.762	258.762	3.3	4.0	6050	15600	IDTB1043		0.33	2.00	3.00	2.00	BT2B334009/HB1			370
522.000	690.000	180.000	160.000	1.5	6.4	2860	8300	IDTB0044	522.000	0.79	0.85	1.25	0.80	BT2B328359/HA1			190

Double-row Taper Roller Bearing (Inch Series)

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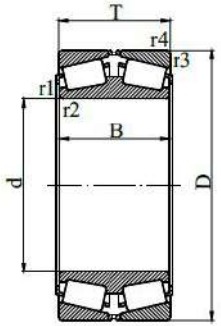

外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号			参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	FAG	TIMKEN	kg
536.575	761.873	269.875	269.875	3.3	6.4	6270	16000	IDTB0045	536.575	0.33	2.00	3.00	2.00	331682	526165	M276448DW-M276410	410
558.800	736.600	196.850	196.850	3.3	6.4	4290	11600	IDTB0046	558.800	0.35	1.90	2.90	1.80	331607A	544145	LM377448DW-LM377410	235
	736.600	196.850	196.850	3.3	8.0	4290	11600	IDTB1046		0.35	1.90	2.90	1.80	331607B			235
560.000	820.000	242.000	242.000	2.5	6.4	5010	11400	IDTB0047	560.000	0.88	0.77	1.15	0.80	BT2B332626/HA7			425
571.500	812.800	285.750	285.750	3.3	6.4	7210	18000	IDTB0048	571.500	0.33	2.00	3.00	2.00	BT2B331854/HA1	543718	M278749DW-M278710	500
	812.800	285.750	285.750	3.3	6.0	7210	18000	IDTB1048		0.33	2.00	3.00	2.00	331476			500
580.000	830.000	280.000	280.000	3.0	6.4	6820	16600	IDTB0049	580.000	0.31	2.20	3.30	2.20	331677			515
609.600	787.400	171.450	171.450	3.3	6.4	4020	10600	IDTB0050	609.600	0.37	1.80	2.70	1.80	BT2B331858/HA1		EE649241DW-649310	218
	820.000	171.450	171.450	3.3	6.4	4020	10600	IDTB0051		0.37	1.80	2.70	1.80	BT2B332424/HA3	538086		265
650.000	1030.000	270.000	270.000	15.0	10.0	8800	18300	IDTB0052	650.000	0.31	2.20	3.30	2.20	BT3B328306/HA4			900
660.400	812.800	176.212	176.212	3.2	6.4	3580	11200	IDTB0053	660.400	0.33	2.00	3.00	2.00	331198		L281149D-L281110	195
682.625	965.200	338.138	338.138	3.3	6.4	9520	25000	IDTB0054	682.625	0.33	2.00	3.00	2.00	333129/HA4		M282249D-M282210	815
	965.200	338.138	338.138	3.3	6.4	9520	25000	IDTB1054		0.33	2.00	3.00	2.00	332129A/HA4			815
710.000	900.000	197.000	197.000	3.0	6.0	4730	13200	IDTB0055	710.000	0.35	1.90	2.90	1.80	331581A	532828		325
800.000	1260.000	375.000	375.000	12.0	12.0	14700		IDTB0056	800.000	0.33	2.00	3.00	2.00	BT2B334032/HA4			1850
863.600	1130.300	323.850	323.850	4.8	12.7	10600		IDTB0057	863.600	0.33	2.00	3.00	2.00	331590			895
	1130.300	323.850	323.850	4.8	12.7	31000		IDTB1057		0.33	2.00	3.00	2.00	331590A		LM286249DGW-LM286210	895
901.700	1295.400	450.850	438.150	4.8	12.7	16800		IDTB0058	901.700	0.35	1.90	2.90	1.80	331306	539945	EE634356D-634510	2000
939.800	1333.500	463.550	463.550	4.8	12.7	17600		IDTB0059	939.800	0.33	2.00	3.00	2.00	331350		LM287849DW-LM287810	2230

Double-row Taper Roller Bearing (Inch Series)

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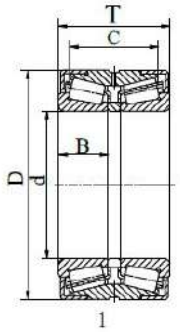

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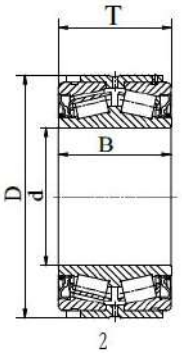

2

外形尺寸mm							轴承代号	设计 型式	内径mm	基本载荷KN		计算参数				参考重量
d	D	T	B	C	$r_{1,2min}$	$r_{3,4min}$			d	Cr	Cor	e	Y_1	Y_2	Y_0	kg
160.000	240.000	114.000	50.000	84.000	5.0	1.0	442212	1	160.000	626	1210	0.44	1.50	2.20	1.50	16.4
	290.000	178.000	89.000	140.000	3.0	1.0	352232X1D1-2LS	1		1520	2880	0.33	2.00	3.00	2.00	56.8
165.000	290.000	150.000	75.000	122.000	3.0	1.0	350633-2LS	1	165.000	1100	2300	0.37	1.80	2.70	1.80	41.4
200.000	290.000	121.000	53.000	88.000	5.0	1.0	442214	1	200.000	760	1600	0.43	1.60	2.30	1.60	24.6
247.650	406.400	247.650	115.825	200.000	6.4		3507/247.65X2-2LS	1	247.650	2650	5900	0.33	2.00	3.00	2.00	147
415.925	590.550	220.000	209.550-		3.3	6.4	IDTB0034-2LS	2	415.925	3800	9500	0.33	2.00	3.00	2.00	188

Double-row Taper Roller Bearing with Double Inner Ring

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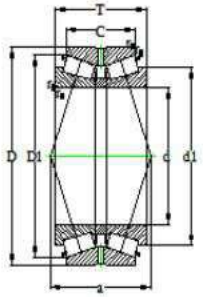

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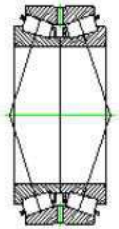
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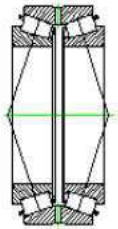
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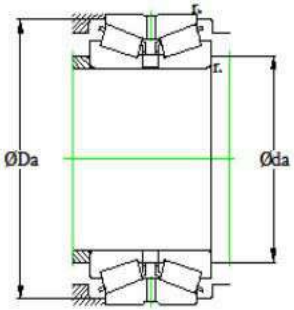

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
100	140	60	50	0.6	0.3	201	410	1800	2300	100TDO140-1		1	111	136	0.3	0.6	0.33	2	3.1	2	2.6
	150	46	37	2.5	0.6	180	293	1800	2300	100TDO150-1		1	110	141.5	0.6	2	0.35	1.95	2.9	1.91	2.53
	150	55	39.05	2.5	0.8	209	337	1800	2300	100TDO150-2		1	110	141.5	0.8	2	0.65	1.1	1.5	1	3
	150	76.2	61.976	3.5	0.6	282	513	1800	2300	100TDO150-3		1	110	141.5	0.6	2	0.4	1.7	2.5	1.6	4.25
	165	52	46	2.5	0.6	222	340	1700	2200	100TD165-1		1	115	156	0.6	2	0.33	2	3	2	4.04
	165	65	52	2.5	0.6	295	480	1700	2200	100TD165-2		1	118	158	0.6	2	0.39	1.7	2.6	1.7	5
	170	92	70	3	0.6	385	698	1700	2200	100TDO170-1		1	114	156.5	0.6	2	0.47	1.43	2.14	1.4	7.83
	180	83	67	3	1	395	570	1600	2200		97820	1	118	170	1	2.5	0.42	1.6	2.4	1.6	8.11
	180	105	85	3	1	490	765	1600	2200	100TDO180-1		1	121	172	1	2.5	0.42	1.6	2.4	1.6	10.3
	180	111	92	3	0.8	610	1080	1700	2200		97520EK	1	121	172	0.8	2.5	0.42	1.6	2.4	1.6	11.6
	180	140	115	2.5	1	585	1090	1700	2200	100TDO140-1		1	112	168.5	1	2	0.33	2.1	3.1	2	13.8
	190	125	100	3	1.3	580	1100	1500	2000		37720	2	114	179.5	1	2.5	0.33	2	3	2	14.9
	200	116	80	4	1.5	540	850	1500	2000	100TDO200-1		1	131	186	1.5	3	0.63	1.1	1.6	1	15.1
	215	112	87	4	1	700	995	1500	2000	100TDO215-1		1	130	204	1	3	0.35	1.9	2.9	1.9	18.4
	215	115	74	3	1	510	680	1500	2000	100TDO215-2		1	114	202	1	2.5	0.81	0.8	1.2	0.8	18.2
	215	143	118	3	1.5	975	1620	1500	2000	100TDO215-3		1	132	206	1.5	2.5	0.33	2.1	3.1	2	24.6
	215	162	127	4	1	980	1540	1400	1900	100TDO215-4		1	118	200	1	3	0.35	1.96	2.91	1.91	26.5
	304.8	184.16	127	SP	SP	1190	1630	1300	1800	100TDO304-1A		1	117	285	2	4	0.8	0.85	1.26	0.83	70
105	190	88	70	3	1	435	635	1500	2000	105TD190-1		1	123	181	1	2.5	0.42	1.6	2.4	1.6	9.21
	190	117	96	3	1	580	920	1500	2000		97521EK	1	128	183	1	2.5	0.42	1.6	2.4	1.6	12.7
	225	170	133	3	1	1090	1730	1500	2000	105TDO225-1		1	123	209	1	3	0.35	1.96	2.9	1.91	30.9
	240	110	75	3	1	585	790	1500	2000	105TDO240-1		1	119	227.5	1	2.5	0.81	0.8	1.2	0.8	23.6
110	150	80	60	0.6	0.3	210	450	1500	2000	110TDO1501		1	121	147	0.3	0.6	0.36	1.9	2.8	1.9	3.6
	160	57.5	47.5	1.5	0.5	218	450	1500	2000	110TDO160-1		1	118.5	146	0.5	1.5	0.36	1.9	2.8	1.9	3.41
	170	45	40	2.5	0.6	175	304	1500	2000	110TDO170-1		1	122	157.2	0.6	2	0.35	1.95	2.9	1.91	3.58
	170	70	55	2.5	0.6	300	500	1500	2000	110TNA170-1		2	127	165	0.6	2	0.41	1.7	2.5	1.6	5
	180	56	50	2.5	0.6	264	400	1500	2000	110TDO180-1		1	125	172	0.6	2	0.39	1.7	2.6	1.7	5.11
	180	70	56	2.5	0.6	340	555	1500	2000	110TDO180-2		1	125	172	0.6	2	0.39	1.7	2.6	1.7	6.33

Double-row Taper Roller Bearing with Double Inner Ring

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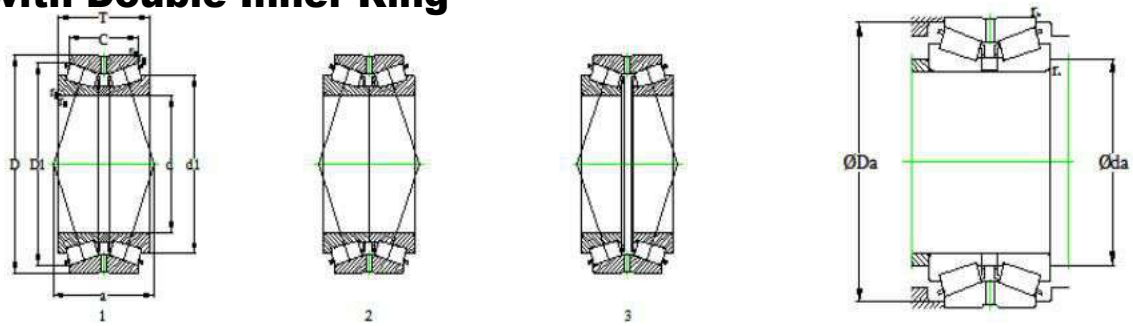

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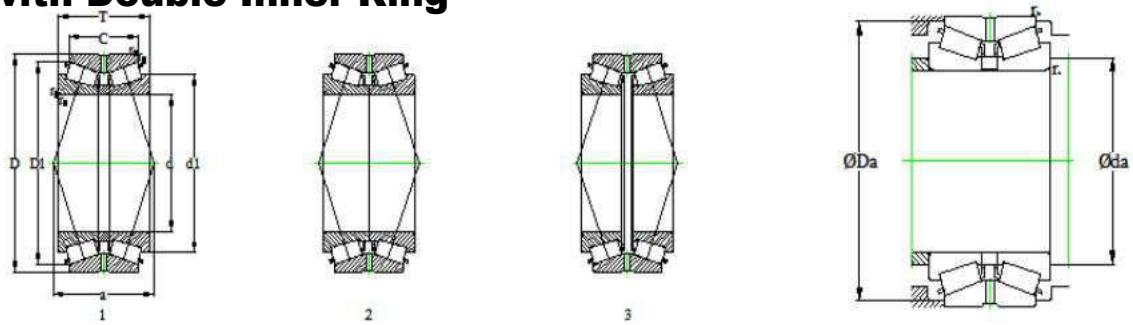
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
110	180	94	72	2	0.6	401	761	1500	2000	110TDO180-3		1	120	170.2	0.6	2	0.52	1.31	1.95	1.28	8.82
	180	95	76	2	0.6	450	920	1500	2000	352122	2097722	1	120	170	0.6	2	0.52	1.31	1.95	1.28	9.1
	180	125	100	2.5	0.6	515	980	1500	2000	110TDO180-4		1	122	168	0.6	2	0.26	2.6	3.8	2.5	11.2
	200	124	102	3	0.6	620	1200	1500	2000		97522EK	1	128	191	0.6	2.5	0.42	1.61	2.39	1.57	16.5
	200	90	72	3	1	532	760	1400	1900	110TDO200-1		1	128	191	1	2.5	0.43	1.6	2.3	1.6	11
	200	92	74	3	1	555	865	1400	1900	110TDO200-2		1	128	193	1	2.5	0.42	1.6	2.4	1.6	10.7
	200	120	100	3	1	640	1020	1400	1900	110TDO200-3		1	135	194	1	2.5	0.42	1.6	2.4	1.6	14.6
	200	121	101	3	1	640	1020	1400	1900	110TDO200-4		1	128	194	1	2.5	0.42	1.6	2.4	1.6	14.4
	200	125	105	3	1	610	965	1400	1900	110TDO200-5		1	134	194	1	2.5	0.42	1.6	2.4	1.6	14.8
	220	145	115	4	1	820	1350	1400	1900	110TDO2201		1	142	211	1	3	0.37	1.8	2.7	1.8	23.6
	240	118	81	4	1	580	815	1400	1900	110TDO240-1		1	148	227	1	3	0.81	0.83	1.2	81	21.8
	240	118	93	4	1	700	955	1400	1900	110TDO240-2		1	143	227	1	3	0.35	1.9	2.9	1.9	22.5
	240	119	74	3	1	585	790	1400	1900	110TDO240-3		1	124	223.5	1	2.5	0.81	0.8	1.2	0.8	25
	240	181	142	3	1	1190	1890	1300	1800	110TDO240-4		1	128	222	1	3	0.35	1.96	2.91	1.91	37.3
115	190	106	80	4	1.5	510	925	1400	1900	115TNA190-1		2	137	182	1.5	3	0.42	1.6	2.4	1.6	10.7
	210	143	118	4	1.5	975	1620	1400	1900	115TNA210-1		2	141	204	1.5	3	0.33	2.1	3.1	2	20
	230	116	84	3	1.5	645	1060	1400	1900	115TDO230-1		1	151	220	1.5	2.5	0.74	0.92	1.4	0.9	20.7
	330	228	124	6	1.5	1490	2150	1400	1900	115TDO330-1		1	180	309	1.5	5	1.3	0.51	0.76	0.5	92.6
120	165	68	56	1.5	0.6	236	495	1400	1900	120TDO165-1		1	134	161	0.5	1	0.4	1.7	2.5	1.6	3.9
	180	46	41	2.5	0.6	184	296	1500	2000	120TDO180-1		1	135	172	0.6	2	0.4	1.7	2.5	1.6	3.75
	180	58	46	2.5	0.6	260	450	1500	2000	120TDO180-2		1	135	172	0.6	2	0.39	1.7	2.6	1.7	4.64
	180	86	68	2.5	0.8	397	788	1500	2000	120TDO180-3		1	135	172	0.6	2	0.46	1.5	2.2	1.4	7.1
120	200	62	55	2.5	0.6	310	500	1400	1800	120TDO200-1		1	135	190	0.6	2	0.39	1.7	2.6	1.7	7.35
	200	78	62	2.5	0.6	415	690	1400	1900	120TDO200-2		1	135	190	0.6	2	0.39	1.7	2.6	1.7	8.97
	200	100	84	2.5	0.6	515	885	1400	1900	120TDO200-3		1	142	194	0.6	2	0.37	1.8	2.7	1.8	11.3
	200	109	90	2.5	0.6	536	1020	1400	1900	120TDO200-4		1	132	182.5	0.6	2	0.43	1.58	2.35	1.55	12.8
	200	110	90	2	0.6	536	1020	1100	1500	352124	2097724	1	132	182.5	0.6	2	0.3	2.25	3.43	2.2	12.6
	215	94	75	3	1	540	800	1300	1800	120TDO215-1		1	145	208	1	2.5	0.42	1.6	2.4	1.6	12.6

Double-row Taper Roller Bearing with Double Inner Ring

WSW



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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
120	215	97	78	3	1	540	800	1300	1800	120TDO215-1		1	138	207	1	2.5	0.42	1.6	2.4	1.6	12.8
	215	132	109	3	1	720	1170	1300	1800		97524K	1	138	208	1	2.5	0.42	1.6	2.4	1.6	18.3
	215	132	106	3	1	720	1170	1300	1800		97524	1	138	208	1	2.5	0.41	1.64	2.44	1.6	19.6
	260	86	60	4	1	775	1100	1200	1700	120TNA260-1		2	156	246	1	2.5	0.44	1.5	2.3	1.5	27
	260	128	101	3	1	976	1430	1200	1700	120TDO260-1		1	138	239	1	3	0.35	1.96	2.91	1.91	30.6
	260	130	87	4	1	730	1060	1200	1700	120TDO260-2		1	159	249	1	3	0.81	0.83	1.2	0.81	28.5
	260	140	112	4	1	815	1130	1200	1700	120TDO260-3		1	155	246	1	3	0.35	1.9	2.9	1.9	30.4
	260	188	145	4	1	1400	2270	1200	1700	120TDO260-2		1	138	239	1	3	0.35	1.96	2.91	1.91	47
	280	185	155	5	1.5	1180	1770	1100	1600	120TDO280-1		1	162	266	1.5	3	0.39	1.7	2.6	1.7	51.6
125	180	85	75	3	0.6	390	885	1100	1600	125TNA180-1		2	143	176	0.5	2	0.31	2.2	3.3	2.2	7
	210	110	88	4	1	560	1030	1100	1600	125TDO210-1		1	151	202	1	3	0.43	1.6	2.3	1.5	14.5
	230	116	84	4	1.5	645	1060	1100	1600	125TDO230-1		1	157	220	1.5	3	0.74	0.92	1.4	0.9	19
	235	142	114	4	1.5	875	1580	1100	1600	125TNA230-1		2	159	226	1	2.5	0.37	1.8	2.7	1.8	25.6
	235	145	115	4	1.5	875	1580	1100	1600	125TNA230-2		2	159	226	1	2.5	0.37	1.8	2.7	1.8	25.9
128	229	116	74	4	1	560	1010	1100	1600	128TDO229-1		1	162	218	1	2.5	1.1	0.64	0.96	0.63	18.6
130	180	69	55	2	0.6	322	663	1200	1700	130TDO180-1		1	140	174.9	0.6	2	0.33	2.03	3.02	1.98	4.77
	180	70	56	2	0.6	322	663	1400	1900		2097926	1	140	174.9	0.6	2	0.27	2.49	3.71	2.43	4.87
	200	52	46	2.5	0.6	266	445	1300	1800	130TDO200-1		1	145	190	0.6	2	0.39	1.7	2.6	1.7	5.46
	200	65	52	2.5	0.6	320	540	1300	1800	130TDO200-1		1	145	192	0.6	2	0.39	1.7	1276		6.45
	200	95	75	2.5	0.7	450	880	1300	1800		2097126	1	145	192	0.6	2	0.35	1.94	2.88	1.89	9.72
	210	64	57	2.5	0.6	340	530	1300	1700	130TDO210-1		1	145	202	0.6	2	0.37	1.8	2.7	1.8	7.78
	210	80	64	2.5	0.6	455	765	1300	1700	130TDO210-2		1	145	201	0.6	2	0.39	1.7	2.6	1.7	9.6
	210	109	90	2.5	0.6	550	980	1300	1700	130TDO210-3		1	152	204	0.6	2	0.39	1.7	2.6	1.7	13
	210	110	90	2.5	0.6	550	980	1300	1700	352126	2097726	1	152	204	0.6	2	0.39	1.7	2.6	1.7	13
	214	115	98	3	1	625	1140	1300	1700	130TDO214-1		1	154	207	1	2.5	0.35	1.9	2.9	1.9	15
	214	115.6	98	3	1	625	1140	1300	1700		97826U	1	154	207	1	2.5	0.35	1.9	2.9	1.9	15
	230	95	75	3	1	560	840	1200	1600	130TDO230-1		1	144	215.5	1	2.5	0.43	1.6	2.3	1.5	15
	230	98	78.5	4	1	570	870	1200	1600	130TDO230-2		1	151	221	1	3	0.39	1.7	2.6	1.7	15

Double-row Taper Roller Bearing with Double Inner Ring

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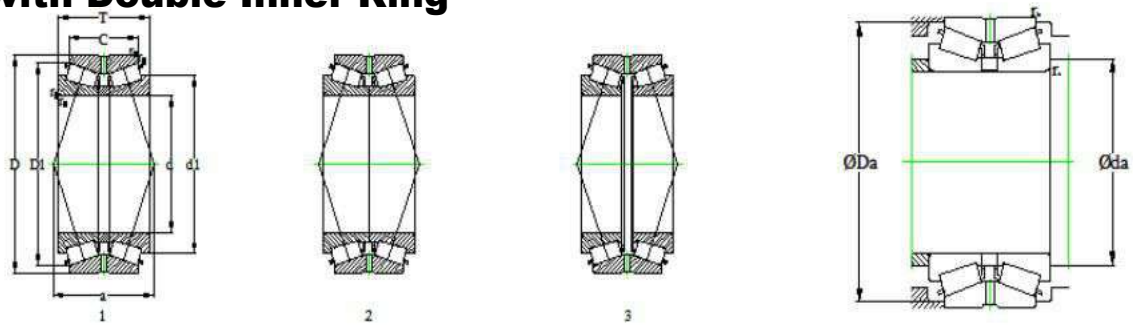

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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
130	230	100	80.5	4	1	570	870	1200	1600	130TDO230-3		1	158	222	1	3	0.39	1.7	2.6	1.7	15
	230	142	114.5	4	1	850	1480	1200	1600	130TDO230-4		1	158	222	1	3	0.39	1.7	2.6	1.7	22.7
	230	145	115	4	1	850	1480	1200	1600	130TDO230-5		1	158	222	1	3	0.39	1.7	2.6	1.7	23.4
	230	145	117.5	4	1	850	1480	1200	1600	130TDO230-6		1	151	221	1	3	0.39	1.7	2.6	1.7	23
	230	146	118.5	4	1.5	904	1615	1200	1600	130TDO230-7		1	151	221	1	3	0.43	1.6	2.3	1.6	23.5
	230	149	120	3	1	905	1630	1300	1700		97526EK	1	144	220	1	2.5	0.44	1.6	2.3	1.5	23.6
	230	150	120	4	1	850	1480	1300	1700	130TDO230-8		1	158	222	1	3	0.39	1.7	2.6	1.7	23.6
	235	145	115	4	1	850	1480	1300	1700		37726	2	158	224	1	3	0.39	1.7	2.6	1.7	24.5
	280	137	107.5	5	1.5	940	1350	1200	1600	130TDO280-1		1	169	265	1.5	4	0.36	1.9	2.8	1.8	35
	280	137	87.5	5	1.5	845	1210	1200	1600	130TDO280-2		1	172	262	1.5	4	0.83	0.81	1.2	0.79	34.7
	280	205	163.5	4	1.5	1530	2470	1200	1600	130TDO280-3		1	148	264	1.5	3	0.35	1.9	2.9	1.9	55.5
	299	137	87.5	5	1.5	845	1210	1200	1600	130TDO299-1		1	172	278	1.5	4	0.83	0.81	1.2	0.79	40.6
133	216	106	81	3.5	1.5	495	985	1200	1600	133TDO216-1		1	160	208	1.5	3.5	0.49	1.4	2.1	1.4	14
135	200	100	85	3	1	495	1010	1200	1600	135TDO200-1		1	153	193	1	2	0.34	2	2.9	1.9	9.8
	210	66	53	2.5	1	305	530	1200	1600	135TDO210-1		1	157	203	1	2	0.4	1.7	2.5	1.6	7.5
	225	85	68	3	1	490	850	1200	1600	135TDO225-1		1	161	217	1	2.5	0.39	1.7	2.6	1.7	12.4
140	190	74	60	1	0.6	296	600	1200	1600	140TDO190-1		1	153	185	0.5	1	0.38	1.8	2.7	1.7	5.3
	200	93.665	73.025	5	1	445	988	1200	1600	140TDO200-1		1	163	195	1	5	0.33	2	3	2	9.3
	200	94.02	73.08	6	1	390	915	1200	1600	140TDO200-2		1	163	195	1	5	0.34	2	3	2	8.8
	210	53	47	2.5	0.6	282	495	1200	1700	140TDO210-1		1	155	202	0.6	2	0.39	1.7	2.6	1.7	6.02
	210	66	53	2.5	1	305	530	1200	1700	140TDO210-2		1	155	202	1	2	0.4	1.7	2.5	1.6	7.02
	210	69	69	2.5	0.6	380	675	1200	1700	140TDO210-3		1	157	202	0.6	2	0.2	3.4	5.1	3.3	8.1
	210	95	75	2.5	0.6	630	970	1200	1700		2097128	1	158	202	0.6	2.5	0.35	1.94	2.88	1.89	8.36
	210	106	94	2.5	0.6	555	1200	1200	1700	140TDO210-4		1	160	203	0.6	2	0.33	2	3	2	
	210	110	88	1	0.6	555	1200	1200	1700	140TDO210-5		1	159	203	0.6	1	0.33	2	3	2	12.4
	225	68	61	3	1	400	630	1200	1600	140TDO225-1		1	158	216	1	2.5	0.39	1.7	2.6	1.7	9.31
	225	84	68	3	1	490	850	1200	1600	140TDO225-2		1	158	215	1	2.5	0.39	1.7	2.6	1.7	11.6
	225	85	68	3	1	490	850	1200	1600	140TDO225-3		1	163	217	1	2.5	0.39	1.7	2.6	1.7	11.7

Double-row Taper Roller Bearing with Double Inner Ring

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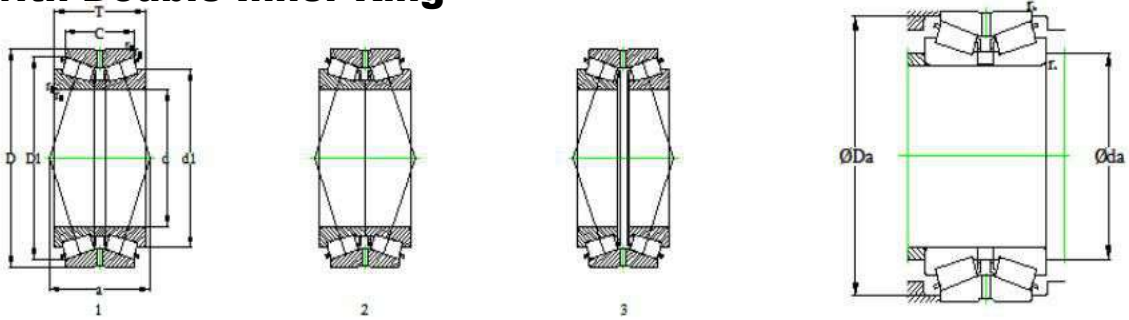

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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
140	225	115	90	3	1	580	1180	1200	1700		2097728	1	165	220	1	2.5	0.34	2	2.98	1.96	15.5
	230	120	94	3	1	685	1270	1200	1700	140TDO230-1		1	166	222	1	2.5	0.33	2	3	2	17.6
	230	124	105	3	1	650	1240	1200	1700	140TDO230-2		1	164	221	1	2.5	0.42	1.6	2.4	1.6	18.6
	230	140	110	3	1	820	1550	1100	1500	140TDO230-3		1	165	222	1	2.5	0.35	1.9	2.9	1.9	20.7
	240	132	106	4	1.5	685	1360	1100	1500	140TDO240-1		1	170	230	1.5	3	0.44	1.5	2.3	1.5	22.7
	250	100	80.5	4	1	630	970	1100	1500	140TDO250-1		1	169	240	1	3	0.39	1.7	2.6	1.7	18.1
	250	102	82.5	4	1	630	970	1100	1500	140TDO250-2		1	161	237	1	3	0.39	1.7	2.6	1.7	18.3
	250	153	125.5	4	1	940	1670	1100	1500	140TDO250-3		1	161	241	1	3	0.4	1.7	2.5	1.6	29
	250	153	110	4	1	910	1700	1200	1600	140TDO250-4		1	174	242	1	3	0.55	1.2	1.8	1.2	29.8
	250	157	128	4	1	1050	2100	1200	1600		97528EK	1	174	242	1	3	0.44	1.55	2.31	1.52	31.7
	260	120	84	3	1.5	735	1210	1200	1600	140TDO260-1		1	154	245	1.5	2.5	0.74	0.9	1.4	0.9	26.6
	260	155	120	1.5	4	1050	1900	1200	1600	140TDO260-2		1	158	243.2	1.5	3	0.4	1.68	2.5	1.64	34.4
	270	120	95	4	3	870	1440	1200	1600	140TDO270-1		1	174	253	2.5	2.5	0.33	2	3	2	29.3
	300	102	77	2.5	1	645	1010	1200	1600	140TDO300-1		1	152	264	1	2	0.55	1.2	1.8	1.2	31.6
	300	145	115.5	5	1.5	1030	1480	1200	1600	140TDO300-2		1	180	284	1.5	4	0.36	1.9	2.8	1.8	42.6
	300	223	177.5	4	1.5	1690	2740	1200	1500	140TDO300-3		1	158	282	1.5	3	0.35	1.9	2.9	1.9	69
145	225	70	56	3	1	395	685	1200	1500	145TDO225-1		1	168	217	1	2	0.35	1.9	2.9	1.9	9.4
	240	135	110	4	1	775	1440	1200	1500	145TNA240-1		2	171	229	1	2.5	0.32	2.1	3.2	2.1	22.1
150	210	80	62	3	1	350	795	1200	1500		2057930	3	168	198	1	2.5	0.27	2.48	2.69	2.42	9.12
	210	80	62	3	1	350	795	1200	1500		2097930	1	168	198	1	2.5	0.27	2.48	2.69	2.42	9.12
	225	56	50	3	1	300	545	1200	1600	150TDO225-1		1	168	213	1	2.5	0.35	1.9	2.9	1.9	7.41
	225	70	56	3	1	395	685	1200	1600	150TDO225-2		1	168	215	1	2.5	0.35	1.9	2.9	1.9	8.7
	225	107	78	5	1	648	1254	1200	1600	150TDO225-3		1	168	215	1	2.5	0.46	1.5	2.2	1.4	14.5
	225	112	88	3	1	1000	1690	1200	1500		97830	1	168	215	1	2.5	0.39	1.73	2.58	1.69	14.1
	245	108	80	4	1	570	1020	1200	1500	150TDO245-1		1	177	235	1	3	0.35	1.9	2.9	1.9	17.1
	250	80	71	3	1	510	810	1100	1400	150TDO250-1		1	168	240	1	2.5	0.4	1.7	2.5	1.6	14.2
	250	100	80	3	1	630	1090	1100	1400	150TDO250-2		1	168	238	1	2.5	0.39	1.7	2.6	1.7	17.8
	250	115	95	3	1	745	1320	1100	1400	150TDO250-3		1	177	241	1	2.5	0.37	1.8	2.7	1.8	20.9

Double-row Taper Roller Bearing with Double Inner Ring

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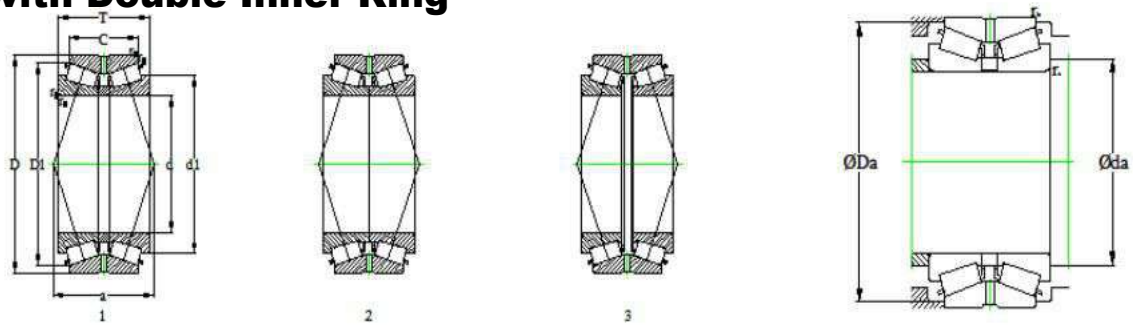

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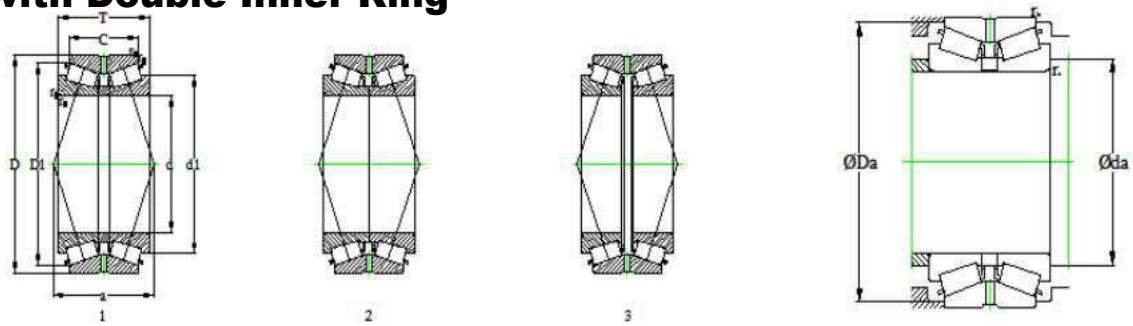
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
150	250	137	112	3	1	816	1510	1100	1400	150TDO250-4		1	164	238	1	2.5	0.41	1.66	2.47	1.62	24.3
	250	138	112	4	0.6	865	1630	1100	1500	352130	2097730	1	181	244	0.6	3	0.25	2.74	4.08	2.68	25.8
	250	140	115	4	0.6	865	1630	1100	1500	150TDO250-5		1	181	244	0.6	3	0.41	1.6	2.4	1.6	25.4
	250	142	112	4	1.5	885	1630	1100	1500	150TDO250-6		1	181	243	1.5	3	0.41	1.7	2.5	1.6	25
	250	145	115	4	1.5	850	1580	1100	1500	150TNA250-1		2	181	243	1.5	3	0.41	1.7	2.5	1.6	26.5
	255	144	110	5	1	909	1700	1100	1500	150TDO255-1		1	172	232.4	1	4	0.24	2.84	4.23	2.78	27.2
	260	150	115	4	1	815	1520	1100	1500	150TDO260-1		1	181	248	1	3	0.43	1.6	2.3	1.5	30
	270	108	76	4	1	740	1140	1000	1400	150TDO270-1		1	180	258	1	3	0.43	1.6	2.3	1.5	22.7
	270	109	87	4	1	740	1140	1000	1400		97730	1	171	254	1	3	0.44	1.55	2.31	1.52	24.5
	270	162	128	4	1	1020	1800	1000	1400	150TDO270-2		1	184	260	1	3	0.4	1.7	2.5	1.6	35.6
	270	164	130	4	1	1020	1800	1000	1400	150TDO270-3		1	171	257	1	3	0.4	1.7	2.5	1.6	36.1
	270	169	138	4	1	1200	2400	1100	1500		97530EK	1	171	257	1	3	0.44	1.55	2.31	1.52	39.4
	280	160	104	4	1	1010	1710	1100	1500	150TDO280-1		1	189	265	1	3	0.81	0.84	1.2	0.82	38.5
	320	154	120	5	1.5	1180	1720	1100	1500	150TDO320-1		1	193	304	1.5	4	0.36	1.9	2.8	1.8	51.9
	330	180	120	5	1.5	1350	2210	1100	1500	150TDO330-1		1	177	313	1.5	4	0.81	0.8	1.2	0.8	70.5
152.4	257	142.88	111.13	3.5	1.5	885	1660	1100	1500	152TNA257-1A		2	182	246	1.5	3.5	0.41	1.7	2.5	1.6	26.9
155	200	66	54	1.5	0.6	242	589	1100	1500	155TDO200-1		1	208	195	0.6	1.5	0.35	1.9	2.9	1.8	4.85
	330	180	120	6	1.5	1300	2120	1100	1500	155TDO330-1		1	208	310	1.5	5	0.81	0.84	1.2	0.82	68.5
159	230	80	56	2.5	0.6	400	755	1100	1500	159TDO230-1		1	180	224	0.6	2	0.52	1.3	1.9	1.3	9.4
	290	155	117	4	1	1060	1900	1100	1500	159TDO290-1		1	198	280	1	3	0.55	1.2	1.8	1.2	40.3
160	220	82	65	2.5	0.6	430	910	1100	1500		2097932	1	178	215	0.6	2	0.27	2.51	3.74	2.45	8.15
	220	90	71	2.5	0.6	430	910	1100	1500	160TDO220-1		1	178	215	0.6	2	0.35	1.9	2.9	1.9	9.1
	240	60	53	3	1	355	580	1100	1500	160TDO240-1		1	178	231	1	2.5	0.37	1.8	2.7	1.8	8.56
	240	75	60	3	1	395	710	1100	1500	160TDO240-2		1	178	230	1	2.5	0.4	1.7	2.5	1.6	10.5
	240	110	90	3	1	650	1290	1100	1500	160TDO240-3		1	183	233	1	2.5	0.38	1.8	2.6	1.7	16.2
	240	114	84	5	1	752	1482	1100	1500	160TDO240-4	2097132	1	183	229	1	2.5	0.46	1.5	2.2	1.4	16.5
	240	115	90	3	0.9	750	1480	1100	1500			1	183	229	0.6	2.5	0.35	1.94	2.88	1.89	16.5
	262	140	120	3	1	865	1780	1000	1250	160TDO262-1		1	191	255	1	2.5	0.44	1.5	2.3	1.5	28.3

Double-row Taper Roller Bearing with Double Inner Ring

WSW



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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
160	270	86	76	3	1	540	885	1000	1300	160TDO270-1		1	178	255	1	2.5	0.4	1.7	2.5	1.6	18.6
	270	108	86	3	1	775	1380	1000	1300	160TDO270-2		1	178	256	1	2.5	0.39	1.7	2.6	1.7	23.1
	270	110	86	2.5	1	785	1360	1000	1300	160TDO270-3		1	172	250.5	1	2	0.31	2.2	3.3	2.2	22.9
	270	140	110	3	1	1600	2620	1000	1400		37732	2	191	261	1	2.5	0.36	1.86	2.76	1.81	26.7
	270	140	120	3	1	990	1880	1000	1400	352132X2/HA		1	191	262	1	2.5	0.32	2.12	3.15	2.07	31.8
	270	149	120	3	1	990	1880	1000	1400	160TDO270-4		1	191	261	1	2.5	0.39	1.7	2.6	1.7	31.7
	270	150	120	4	1	990	1880	1000	1400	352132	2097732	1	191	259	1	3.5	0.36	1.86	2.76	1.81	28.3
	280	140	120	3	1	990	1880	1000	1400	160TDO280-1		1	191	267	1	2.5	0.39	1.7	2.6	1.7	34.7
	280	150	125	4	1	1100	2020	1000	1400	160TDO280-2		1	194	270	1	3	0.32	2.1	3.2	2.1	35.9
	290	115	91	4	1	800	1220	950	1300	160TDO290-1		1	181	275	1	3	0.43	1.6	2.3	1.5	28.2
	290	178	144	4	1	1240	2240	950	1300	160TDO290-2	97532	1	181	278	1	3	0.4	1.7	2.5	1.6	46.2
	290	180	140	4	1	1240	2240	950	1300			1	181	278	1	3	0.4	1.7	2.53	1.66	46.2
	340	160	126	5	1.5	1310	1920	950	1300	160TDO340-1		1	205	323	1.5	4	0.36	1.9	2.8	1.8	60.4
165	225	95	70	4	0.6	410	1080	950	1300	165TNA225-1		2	186	219	0.6	3	0.38	1.8	2.6	1.7	10.7
	290	143	111	4	1.5	930	1880	920	1200	165TNA290-1		2	203	278	1	2.5	0.47	1.4	2.1	1.4	38.3
	290	150	125	4	1	1140	2130	920	1200		97833U	1	199	278	1	3	0.31	2.2	3.27	2.15	41.1
	350	146	108	7.5	1.5	1220	1980	1000	1400	165TDO350-1		1	201	308.5	1.5	6	0.34	2	3	2	61.2
170	230	82	65	3	1	420	900	1000	1400		2097934	1	193	220	1	2	0.28	2.39	3.56	2.34	8.11
	250	85	65	3	1	435	845	1000	1400	170TDO250-1		1	193	242	1	2	0.44	1.5	2.3	1.5	12.3
	260	67	60	3	1	400	700	1000	1300	170TDO260-1		1	188	248	1	2.5	0.4	1.7	2.5	1.6	11.8
	260	84	67	3	1	575	1030	1000	1300	170TDO260-2		1	188	249	1	2.5	0.39	1.7	2.6	1.7	14.4
	260	90	65	3	1	575	1030	1000	1300	170TDA260-1		2	194	251	0.8	2	0.39	1.7	2.6	1.7	15.1
	260	120	95	3	1	685	1550	1000	1400		2097134	1	188	266	1	2.5	0.31	2.18	3.24	2.13	20.4
	260	120	95	3	1	685	1550	1000	1400		2057134	1	188	266	1	2.5	0.31	2.18	3.24	2.13	20
	280	88	78	3	1	630	1040	950	1300	170TD280-1		1	188	266	1	2.5	0.39	1.7	2.6	1.7	19.7
	280	110	88	3	1	820	1450	950	1300	170TD280-2		1	188	268	1	2.5	0.39	1.7	2.6	0.7	24.2
	280	110	90	3	1	820	1450	950	1300	170TD280-2		1	200	271	1	2.5	0.39	1.7	2.6		24.3
	280	123	100	3	1	810	1660	950	1300	170TD280-3		1	195	262	1	2	0.38	1.8	2.6	1.7	28.5
	280	134	106	3	1	855	1790	950	1300	170TD280-4		1	184	250.5	1	2.5	0.44	1.5	2.3	1.5	29.2

Double-row Taper Roller Bearing with Double Inner Ring

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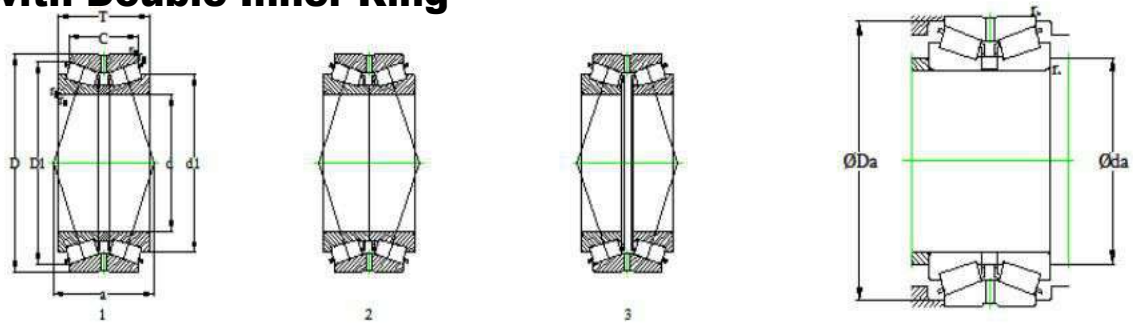

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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
170	280	150	130	3	1	1110	2160	1000	1300	170TD280-5		1	200	271	1	2.5	0.39	1.7	2.6	1.7	34.6
	280	150	120	3	1	1110	2160	1000	1300		2097734	1	200	271	1	2.5	0.38	1.78	2.65	1.74	35.6
	310	122	94	5	1.5	900	1380	900	1200	170TDO310-1		1	207	297	1.5	4	0.43	1.6	2.3	1.5	34.1
	310	125	97	5	1.5	900	1380	900	1200	170TDO310-2		1	197	291	1.5	4	0.43	1.6	2.3	1.5	34.9
	310	192	152	5	1.5	1430	2640	900	1200	170TDO310-3		1	197	296	1.5	4	0.4	1.7	2.5	1.6	57.3
	310	195	150	5	1.5	1540	2890	900	1200	170TNA310-1		2	209	297	1	3	0.33	2	3	2	59.6
	320	180	140	5	1.5	1410	2510	900	1200	170TDO320-1		1	215	309	1.5	4	0.43	1.6	2.3	1.5	59.8
178	289	143	111	5.5	1.6	1050	1870	1000	1300	178TNA289-1		2	209	278	1.6	5.5	0.32	2.1	3.2	2.1	31.7
180	250	94	76	2.5	0.6	607	1310	1000	1300	180TDO250-1		1	192	238.9	0.6	2	0.37	1.8	2.69	1.76	13
	250	95	74	2.5	0.6	607	1310	1000	1300		2097936	1	192	238.9	0.6	2	0.37	1.84	2.74	1.8	13
	270	109.54	84.138	5	1	648	1520	900	1300	180TDO270-1		1	198	265	0.6	2	0.48	1.4	2.1	1.4	22.5
	280	74	66	3	1	455	810	900	1300	180TDO280-1		1	198	255	1	2.5	0.4	1.7	2.5	1.6	15.4
	280	93	74	3	1	655	1220	900	1200	180TDO280-2		1	198	265	1	2.5	0.35	1.9	2.9	1.9	19.5
	280	134.5	108	2.5	1	885	1800	900	1200	180TDO280-3		1	192	266	1	2	0.37	1.8	2.7	1.8	27
	280	134	108	2.5	1	885	1800	1000	1300		2097136	1	192	266	1	2	0.28	2.43	3.61	2.37	28.5
	285	108	79.4	2.5	2.3	720	1200	940	1300		37736	2	212	265	1.5	5.5	0.35	1.95	2.9	1.91	23.2
	290	143	111	5.5	1.5	930	1880	940	1300	180TNA290-1		2	212	278	1.5	5.5	0.47	1.4	2.1	1.4	33.6
	290	150	120	3	1	1140	2260	940	1300	180TDO290-1		1	210	280	1	2.5	0.4	1.7	2.5	1.6	35.7
	300	96	85	4	1.5	725	1210	900	1200	180TDO300-1		1	201	284	1.5	3	0.39	1.7	2.6	1.7	24.8
	300	120	96	4	1.5	940	1690	850	1200	180TDO300-2		1	201	287	1.5	3	0.39	1.7	2.6	1.7	31.1
	300	163	134	4	1	1210	2240	850	1200	180TDO300-3		1	198	281.7	1	3	0.33	2.03	3.02	1.98	42.2
	300	164	134	4	1	1210	2240	940	1300		2097736	1	198	281.7	1	3	0.26	2.46	3.93	2.58	39.9
	320	127	99	5	1.5	895	1390	850	1200	180TDO320-1		1	207	300	1.5	4	0.44	1.5	2.3	1.5	36.5
	320	190	145	5	1.5	1500	2760	850	1100		97536	1	207	308	1.5	4	0.36	1.85	2.76	1.81	52.4
	320	192	152	5	1.5	1500	2760	850	1100		97536K	1	207	308	1.5	4	0.36	1.85	2.76	1.81	60
	340	108	140	5	1.5	1410	2510	850	1100	180TDO340-1		1	220	319	1.5	4	0.43	1.6	2.3	1.5	68.1
	340	170	140	5	1.5	1540	2530	850	1100	180TDO340-2		1	202	313.8	1.5	4	0.32	2.12	3.15	2.07	63.2
	340	180	140	4	1.5	1390	2590	840	1100		97736	1	198	302	1.5	3	0.35	1.96	2.91	1.91	71.9

Double-row Taper Roller Bearing with Double Inner Ring

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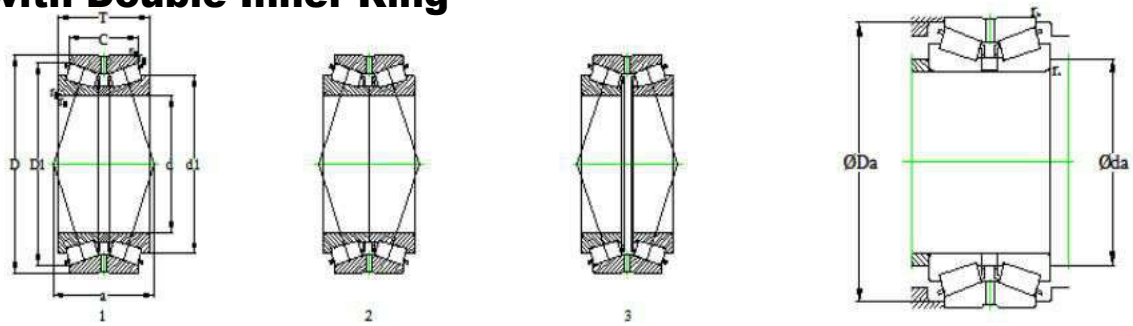

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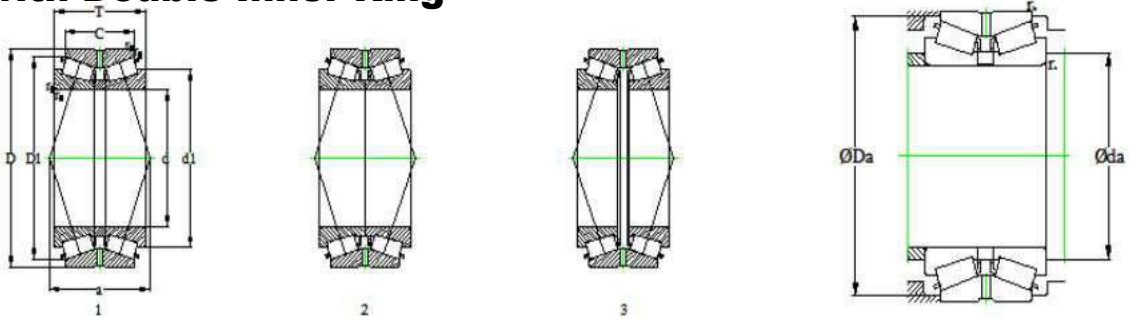
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
190	260	94	76	2.5	0.6	580	1290	940	1300	190TDO260-1		1	210	254	0.6	2	0.39	1.7	2.6	1.7	13.5
	260	95	76	2.5	0.6	580	1290	940	1300	352938X2	2097938	1	210	254	0.6	2	0.38	1.76	2.62	1.72	13.3
	290	75	67	3	1	490	845	850	1200	190TDO290-1		1	208	279	1	2.5	0.39	1.7	2.6	1.7	16.2
	290	94	75	3	1	670	1230	900	1200	190TDO290-2		1	208	279	1	2.5	0.4	1.7	2.5	1.6	20.1
	290	134	104	3	1	845	1860	890	1200		2097138	1	208	279	1	2.5	0.37	1.83	2.72	1.79	28.8
	320	104	92	4	1.5	800	1380	800	1100	190TDO320-1		1	211	301	1.5	3	0.4	1.7	2.5	1.6	30.9
	320	130	104	4	1.5	1070	1960	800	1100	190TDO320-2		1	211	302	1.5	3	0.39	1.7	2.6	1.7	39
	320	170	130	3	1	1330	2530	840	1100		2097738	1	225	308	1	3	0.31	2.15	3.2	2.1	52
	320	171	134	4	1	1330	2530	840	1100	190TDO320-3		1	225	308	1	3	0.38	1.8	2.7	1.8	50.1
	340	133	105	5	1.5	990	1580	800	1100	190TDO340-1		1	217	320	1.5	4	0.4	1.7	2.5	1.6	43.9
	340	204	160	5	1.5	1680	3100	800	1100	190TDO340-2		1	217	327	1.5	4	0.4	1.7	2.5	1.6	70.8
200	280	110	85	3	1	610	1530	900	1200		2097940	1	228	268	1	2.5	0.39	1.72	2.56	1.68	18.1
	290	121.45	88	6	1	765	1720	800	1100	200TDO290-1		1	228	279	0.8	4	0.4	1.7	2.5	1.6	23.7
	310	82	73	3	1	585	1070	800	1100	200TDO310-1		1	218	295	1	2.5	0.4	1.7	2.5	1.6	21.2
	310	103	82	3	1	775	1400	850	1100	200TDO310-2		1	218	296	1	2.5	0.43	1.6	2.3	1.5	25.1
	310	151	118	3	1	910	2180	840	1100	352040X2-1		1	230	300	1	2.5	0.37	1.8	2.7	1.8	38
	310	151	120	3	1	910	2180	840	1100	352040X2		1	230	300	1	2.5	0.39	1.72	2.56	1.68	38.9
	310	152	123	3	1	1100	2280	840	1100	200TDO310-3		1	230	300	1	2.5	0.39	1.72	2.56	1.68	38.3
	310	170	140	3	1	1240	2730	750	1000	200TDO310-4		1	214	291.4	1	2.5	0.33	2.03	3.02	1.98	44.9
	320	146	110	5	1.5	990	2120	750	1000	200TDO320-1		1	236	307	1.5	4	0.52	1.3	1.9	1.3	41.6
	330	180	140	5	1.5	1390	2730	750	1000	200TDO330-1		1	237	319	1.5	4	0.42	1.6	2.4	1.6	54.4
	340	112	100	4	1.5	940	1670	750	1000	200TDO340-1		1	221	321	1.5	3	0.4	1.7	2.5	1.6	38.8
	340	140	112	4	1.5	1260	2250	750	1000	200TDO340-2		1	221	324	1.5	3	0.39	1.7	2.6	1.7	47
	340	183	150	4	1	1580	3050	800	1100	200TDO340-3		1	237	328	1	3	0.36	1.9	2.8	1.8	61.9
	340	184	150	4	1	1650	3400	800	1100		2097740	1	237	328	1	3	0.25	2.74	4.08	2.68	63.8
	350	140	112	4	1.5	1260	2250	750	1000	200TDO350-1		1	237	333	1.5	3	0.39	1.7	2.6	1.7	51.9
	356	152	111	6	1.5	1190	2470	750	1000	200TDO356-1		1	249	341	1.5	5	0.33	2	3	2	59.8
	360	142	110	5	1.5	1100	1780	750	1000	200TDO360-1		1	227	338	1.5	4	0.4	1.7	2.5	1.6	52.6
	360	218	174	5	1.5	1860	3500	750	1000		97540E	1	227	342	1.5	4	0.4	1.7	2.5	1.6	87.2

Double-row Taper Roller Bearing with Double Inner Ring

WSW



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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
205	320	146	111	5	1.5	990	2120	940	1100	205TNA320-1		2	238	307	1.5	4	0.52	1.3	1.9	1.3	40.2
	320	150	110	4	1.5	990	2120	940	1100		37741	2	238	307	1.5	4	0.39	1.72	2.56	1.68	40.2
206	283	102	83	4	1.5	580	1430	1000	1300	206TDO283-1		1	231	275	1.5	3	0.51	2	0.51	1.3	18.1
210	300	110	85	1	1	735	1550	940	1100	210TDO300-1		1	233	291	0.8	0.8	0.38	1.8	2.6	1.7	22.6
	355	116	103	4	1.5	905	1520	920	1050	210TDO355-1		1	248	342	1.5	3	0.46	1.5	2.2	1.4	41.7
	360	190	160	5	1.5	1620	3200	920	1050	210TDO360-1		1	251	348	1	3	0.39	1.8	2.6	1.7	74.7
220	300	110	88	3	1	730	1710	810	1100		2097944	1	244	293	1	2.5	0.37	1.8	2.7	1.8	21.2
	340	90	80	4	1.5	695	1280	750	1000	220TDO340-1		1	241	324	1.5	3	0.4	1.7	2.5	1.6	27.9
	340	113	90	4	1.5	920	1830	750	1000	220TDO340-2		1	241	327	1.5	3	0.4	1.7	2.5	1.6	34.7
	340	130	110	4	1.5	920	1830	750	1000	220TNA340-1		2	255	330	1	2.5	0.4	1.7	2.5	1.6	39.7
	340	158	130	4	1	1340	2750	750	1000	220TDO340-1		1	238	324	1	3	0.33	2	3	2	46.7
	340	164	130	4	1	1567	3182	750	1000	220TDO340-2		1	234	323	1	2.5	0.43	1.6	2.3	1.6	50
	340	165	130	4	1	1567	3182	750	1000		2097144	1	234	323	1	2.5	0.43	1.6	2.3	1.6	50
	370	120	107	5	1.5	1235	2166	710	950	220TDO370-1		1	247	345	1.5	4	0.4	1.7	2.5	1.7	49
	370	150	120	5	1.5	1460	2760	710	950	220TDO370-2		1	247	349	1.5	4	0.39	1.7	2.6	1.7	60.2
	370	195	150	4	1.5	1530	3200	760	1000		2097744	1	247	349	1	2.5	0.37	1.83	2.72	1.79	76.3
	400	150	114	5	1.5	1390	2300	670	900	200TDO400-1		1	266	381	1.5	4	0.4	1.7	2.5	1.6	70.9
	400	158	122	5	1.5	1390	2300	670	900	200TDO400-2		1	247	371	1.5	4	0.4	1.7	2.5	1.6	74.2
	420	130	100	5	2.5	1160	1820	760	1000	220TDO420-1		1	242	378	2	4	0.4	1.7	2.5	1.6	73.1
225	360	146.5	111	3	1	1160	1820	760	1000		37745	2	259	335	1	12.5	0.36	1.87	2.79	1.83	48.2
230	355	145	110	6	1.5	1160	2370	760	1000		37746	2	264	340	1	4	0.36	1.87	2.79	1.83	49
	355	146	111	6	1.5	1160	2370	760	1000	230TNA355-1		2	264	340	1	4	0.33	2	3	2	48.2
	355.64	144	110	6	1.5	1250	2590	760	1000	230TDO355-2A		1	258	331.4	1.5	5	0.35	1.95	2.9	1.91	47.5
	380	175	115	5	1.5	1470	2890	760	1000	230TDO380-1		1	276	365	1.5	4	0.8	0.85	1.3	0.83	69.9
	380	200	160	5	1.5	1930	3800	760	1000	230TDO380-2		1	270	367	1.5	4	0.33	2	3	2	80.9
	400	188	136	7.5	1.5	1620	3000	710	950	230TDO400-1		1	274	379	1	6	0.44	1.5	2.3	1.5	85.9
	410	180	120	5	1.5	1770	3150	710	950	230TDO410-1		1	278	395	1.5	4	0.55	1.2	1.8	1.2	91.5

Double-row Taper Roller Bearing with Double Inner Ring

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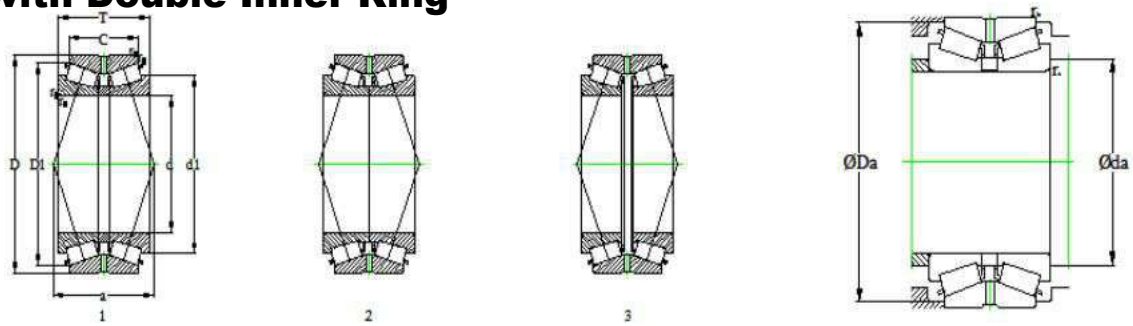

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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
230	420	200	160	5	1.5	1960	3630	710	950	230TDO420-1		1	252	390.4	1.5	4	0.47	1.43	2.12	1.4	114
	430	215	130	6	1.5	2040	3700	710	950	230TDO430-1		1	291	416	1.5	5	0.86	0.79	1.2	0.77	128
	450	265	164	6	1.5	2730	4850	710	950	230TDO450-1		1	295	433	1.5	5	0.87	0.78	1.2	0.76	175
240	320	105	82	3	1	830	1960	760	1000		2097948	1	254	312	1	2.5	0.32	2.12	3.15	2.07	22.3
	320	109	90	3	1	830	1960	760	1000	240TDO320-1		1	254	312	1	2.5	0.46	1.47	2.19	1.44	24
	320	110	87	3	1	795	1890	760	1000		2097948K	1	252	314	1	2	0.32	2.12	3.15	2.07	23
	320	110	90	2.5	1	795	1890	760	1000	240TDO320-2		1	252	314	1	2	0.46	1.5	2.2	1.4	21.6
	360	92	82	4	1.5	780	1490	670	950	240TDO360-1		1	261	344	1.5	3	0.39	1.7	2.6	1.7	30.1
	360	115	92	4	1.5	1020	2040	670	950	240TDO360-2		1	261	344	1.5	3	0.39	1.9	2.9	1.9	37.3
	360	164	130	3	1	1420	3050	670	950	240TDO360-3	2097148	1	254	356	1	2.5	0.32	2.1	3.2	2.1	51.9
	360	165	130	3	1	1420	3050	690	920			1	254	356	1	2.5	0.32	2.1	3.2	2.1	52.8
	360	170	142	4	1	1350	2870	690	920	240TDO360-4		1	274	351	1	3	0.39	1.7	2.6	1.7	54.1
	400	128	114	5	1.5	1180	2190	630	850	240TDO400-1		1	267	380	1.5	4	0.43	1.6	2.3	1.5	60
	400	160	128	5	1.5	1620	3050	630	850	240TDO400-2		1	267	378	1.5	4	0.39	1.7	2.6	1.7	73.6
	400	209	168	4	1.5	2140	4350	630	850	240TDO400-3		1	258	376	1.5	3	0.32	2.1	3.2	2.1	94.1
	400	210	163	4	1.5	2140	4350	630	850		2097748	1	258	376	1.5	3	0.32	2.1	3.2	2.1	94
	407	216	185	6	1.5	2220	4450	630	850	240TDO407-1		1	285	393	1.5	5	0.33	2	3	2	106
	440	165	127	4	1.5	1680	2960	630	850	240TDO440-1		1	258	406	1.5	3	0.49	1.4	2.1	1.4	100.4
	440	266	212	4	1.5	2920	5500	630	850	240TDO440-2		1	258	421.5	1.5	3	0.43	1.6	2.3	1.5	164.8
	500	282	168	6	1	3060	5000	600	850	240TDO500-1		1	268	481	1	5	0.94	0.72	1.07	0.7	250
250	380	98	87	4	1	795	1460	600	850	250TDO380-1		1	285	369	1	3	0.4	1.7	2.5	1.6	35.5
	480	210	180	6	2	2400	3900	600	850	250TDO480-1		1	278	447.2	2	5	0.4	1.68	2.5	1.64	156
260	360	105	76	3	1	940	1900	670	900	260TDO360-1		1	274	346	1	2.5	0.35	1.9	2.9	1.8	28
	360	133	109	3	1	1100	2630	670	900	260TDO360-2		1	274	346	1	2.5	0.43	1.57	2.34	1.53	38.6
	360	134	108	3	1	1100	2630	670	900		2097952	1	274	346	1	2.5	0.43	1.57	2.34	1.53	39
	390	146	112	5	1.5	1260	2440	630	850	260TNA390-1		2	295	379	1.5	4	0.39	1.7	2.5	1.7	52.3
	400	104	92	5	1.5	1064	1976	630	850	260TDO400-1		1	287	379	1.5	4	0.4	1.7	2.5	1.6	44
	400	130	104	5	1.5	1210	2460	600	850	260TDO400-2		1	287	382	1.5	4	0.4	1.7	2.5	1.6	54.1

Double-row Taper Roller Bearing with Double Inner Ring

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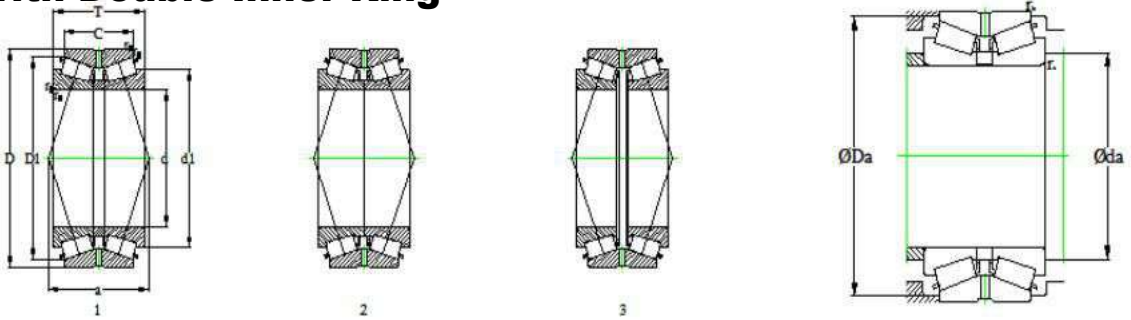

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
260	400	146	108	6	1.5	1300	2570	600	850	260TDO400-1		1	288	374	1.5	5	0.39	1.71	2.54	1.67	65
	400	149	110	6	1.5	1270	2600	600	850	260TDO400-2		1	288	371.4	1.5	5	0.35	1.95	2.9	1.91	61.6
	400	150	110	6	1.5	1280	2630	630	840		37852	2	288	371.4	1.5	5	0.35	1.95	2.99	1.91	60.3
	400	155	108	9.5	1.6	1260	2440	630	840	260TDO400-3		1	300	383	1.6	9.5	0.39	1.7	2.5	1.7	58
	400	185	146	4	1.5	1720	3650	630	840	260TDO400-4		1	278	376	1.5	3	0.29	2.3	3.4	2.3	75.1
	400	186	146	4	1.5	1720	3650	630	840		2097152	1	278	376	1.5	3	0.29	2.3	3.4	2.3	76
	430	179	130	7.5	1.5	1820	3710	630	840	260TDO430-1		1	296	395	1.5	6	0.35	1.95	2.9	1.91	94.3
	430	180	130	7.5	1.5	1820	3710	630	840		37752	2	296	395	1.5	6	0.35	1.95	2.9	1.91	87.9
	440	144	128	5	1.5	1776	3277	560	800	260TDO440-1		1	287	416	1.5	4	0.37	1.8	2.7	1.8	86.5
	440	172	145	5	1.5	1860	3500	560	800	260TDO440-2		1	305	422	1.5	4	0.38	1.8	2.6	1.7	98.1
	440	180	144	5	1.5	2110	4150	560	800	260TDO440-3		1	287	416	1.5	4	0.39	1.7	2.6	1.7	104
	440	224	180	5	1.5	2700	5350	580	770	260TDO440-4		1	282	408.5	1.5	4	0.24	2.84	4.23	2.78	130
	440	225	180	5	1.5	2200	4800	580	770		2097752	1	282	408.5	1.5	4	0.24	2.84	4.23	2.78	131
	445	144	128	5	1.5	1540	2760	580	770	260TDO445-1		1	306	426	1.5	4	0.39	1.7	2.6	1.7	86
	480	284	220	5	1.5	3819	6982	580	770	260TDO480-1		1	322	515	1.5	4	0.43	1.6	2.3	1.6	210
	530	275	163.9	6	2.5	3150	5650	560	740	260TDO530-1		1	337	510	2	5	0.94	0.72	1.1	0.7	259
270	355	120	95	3	1.5	890	2260	560	740	270TDO355-1		1	295	347	1	2.5	0.35	1.9	2.9	1.9	29.3
280	380	134	108	3	1	940	2650	620	820		2097956	1	315	368	1	3	0.32	2.1	3.13	2.05	44
	400	150	120	6	1.5	1290	2870	620	820	280TDO400-1		1	315	389	1.5	5	0.39	1.8	2.6	1.7	54.2
	420	106	94	5	1.5	915	1820	620	820	280TDO420-1		1	318	406	1.5	4	0.44	1.5	2.3	1.5	46.7
	420	133	106	5	2	1350	2760	620	820	280TDO420-2	2097156	1	319	407	2	4	0.4	1.7	2.5	1.6	59.7
	420	186	146	5	1.5	1800	4100	620	820			1	319	442	1.5	4	0.37	1.83	2.72	1.79	81.5
	425	133	106	5	2	1350	2760	620	820	280TDO425-1		1	319	409	2	4	0.4	1.7	2.5	1.6	62.3
	460	146	130	6	2	1660	3000	580	770	280TDO460-1		1	323	440	2	5	0.39	1.7	2.6	1.7	88.2
	460	183	146	6	1.5	2170	4250	580	770	280TDO460-2		1	327	442	1.5	5	0.39	1.7	2.6	1.7	109
	470	250	180	6.4	1.5	3296	6080	580	770	280TDO470-1		1	330	450	1.5	5	0.46	1.5	2.2	1.4	155
	500	195	145	6	1.5	2470	4500	580	770	280TDO500-1		1	335	479	1.5	5	0.45	1.5	2.2	1.5	155
289	422	186	146	6	1.5	2040	4650	580	770	289TDO422-1		1	326	410	1.5	5	0.31	2.2	3.2	2.1	82.3

Double-row Taper Roller Bearing with Double Inner Ring

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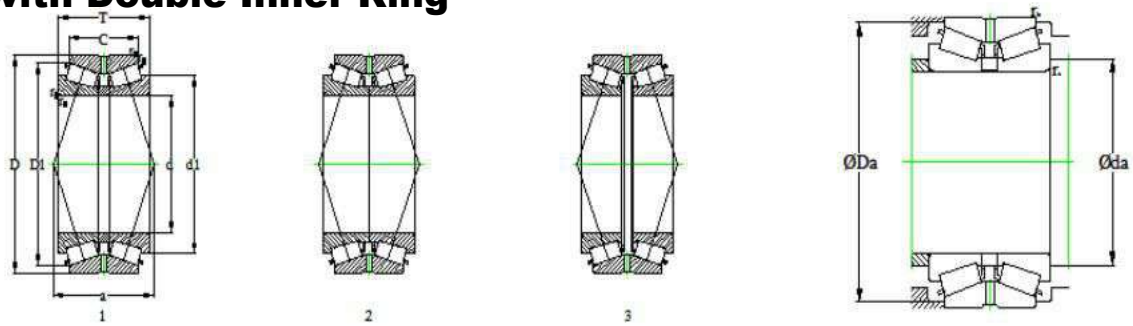

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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑 Grease	油润滑 Oil	新型号 New	旧型号 Old										
d	D	T	C	r1.2min	r3.4min	Cr	Cor						da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
290	400	120	90	5	1.5	1050	2380	580	770	290TDO400-1		1	322	389	1.5	4	0.41	1.6	2.4	1.6	40.7
	405	165	130	5.5	1	1530	3650	580	770	290TDO405-1		1	324	395	1	5.5	0.34	2	3	2	59.9
	430	150	135	4	1.5	1350	3200	580	770	290TDO430-1		1	308	407	1.5	3	0.39	1.7	2.6	1.7	73.5
300	420	148	118	5	2	1290	2960	580	770	300TDO420-1		1	335	408	2	4	0.41	1.6	2.4	1.6	58.9
	420	160	128	4	1	1600	3610	580	770	352960X2		1	318	481	1	4	0.28	2.39	3.56	2.34	60.8
	440	139	100	4	0.6	1360	2870	560	740	300TDO440-1		1	318	411.9	0.6	3	0.37	1.8	2.69	1.76	63.8
	460	118	105	5	1.5	1130	2180	560	740	300TDO460-1		1	344	446	1.5	4	0.42	1.6	2.4	1.6	64.8
	460	148	118	5	1.5	1570	3300	560	740	300TDO460-2		1	347	448	1.5	4	0.42	1.6	2.4	1.6	83.3
	460	210	165	5	1.5	2100	4800	560	740		2097160	1	347	484	1.5	4	0.36	1.85	2.76	1.81	118
	500	160	142	6	2	1970	3600	530	710	300TDO500-1		1	350	481	2	5	0.39	1.7	2.6	1.7	115
	500	179	125	7.5	1.5	1980	3760	530	710	300TDO500-2		1	336	455	1.5	5	0.26	2.55	3.8	2.5	122
	500	200	160	6	2	2530	5000	530	710		97860	1	352	481	2	5	0.39	1.7	2.6	1.7	146
	500	203	152	5	1.5	2670	4850	530	710	300TDO500-3		1	352	481	1.5	4	0.4	1.7	2.5	1.6	140
	500	205	152	5	1.5	2670	4850	530	710		1097760	1	352	481	1.5	4	0.4	1.7	2.5	1.6	140
	502	200	160	6	2	2530	5000	530	710	300TDO502-1		1	352	482	2	5	0.39	1.7	2.6	1.7	148
	540	208	158	5	2.5	2440	450	500	660	300TDO540-1		1	322	498	2	4	0.49	1.4	1241		184
	560	170	50	5	5	3200	3800	500	660		370660/HC	1	322	536	4	4	0.81	0.823	1.23	0.81	197
	600	310	220	6	1.5	4450	7900	500	660	300TDO600-1		1	370	571	1.5	4	0.35	1.9	2.9	1.9	357
305	560	223	130	5	2.5	2530	4700	500	660	305TDO560-1		1	327	530	2	4	1.09	0.6	0.9	0.6	227
310	470	200	148	9.5	1.5	2230	4800	530	710	310TDO470-1		1	359	456	1.5	8	0.4	1.7	2.5	1.6	11
320	480	121	108	5	1.5	1310	2550	530	710	320TDO480-1		1	359	462	1.5	4	0.4	1.7	2.5	1.6	70.9
	480	151	121	5	1.5	1750	3700	530	710		97764	1	362	464	1.5	4	0.4	1.7	2.5	1.6	88
	480	215	163	5	1.5	2580	5850	530	710	320TDO480-2		1	365	468	1.5	4	0.46	1.5	2.2	1.4	125
	480	220	186	5	1	2580	5850	530	710	352064	2097164	1	365	468	1.5	4	0.46	1.47	2.19	1.44	134
	540	176	130	6	2	2360	4450	530	710	320TDO540-1		1	375	516	2	4	0.39	1.7	2.6	1.7	153
	540	176	157	6	2	2430	4600	530	710	320TDO540-2		1	375	520	2	5	0.39	1.7	2.6	1.7	153
	540	220	176	6	2	3050	6100	530	710	320TDO540-3		1	379	520	2	5	0.39	1.7	2.6	1.7	190
	550	240	180	5	2.5	3300	6500	530	710	320TDO550-1		1	342	514	2	4	0.4	1.7	2.5	1.6	222

Double-row Taper Roller Bearing with Double Inner Ring

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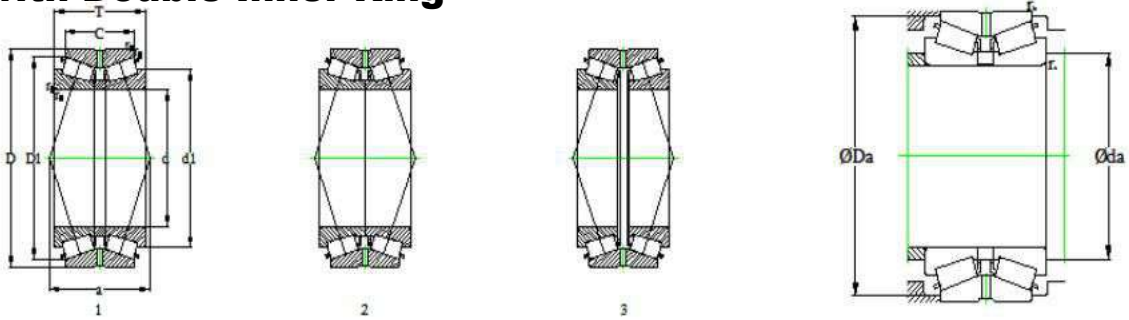

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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑 Grease	油润滑 Oil	新型号 New	旧型号 Old										
d	D	T	C	r1.2min	r3.4min	Cr	Cor						da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
330	500	190	150	6	1.5	2360	5200	500	660	330TDO500-1		1	377	485	1.5	5	0.39	1.7	2.6	1.7	125
330.25	528	292	210	特殊	1	3250	7250	500	660	330TDO528-1A		1	393	513	1	--	0.43	1.6	2.3	1.5	221
340	460	160	128	3	1	1950	4650	500	660		2097968	1	354	441	1	2.5	0.31	2.2	3.3	2.2	71
	500	150	120	2	6	1780	3630	500	660	340TDO500-1		1	368	475.3	2	5	0.42	1.62	2.42	1.59	91.4
	500	154	110	1.5	6	1780	3630	500	660	340TDO500-2		1	368	477	1.5	5	0.42	1.62	2.42	1.59	99
	500	249	203	5	1.5	2690	6200	500	660	340TDO500-3		1	362	481	1.5	4	0.33	2	3	2	147
	500	249.22	203.2	5	1.5	2950	6850	500	660	340TDO500-4		1	381	485	1.5	4	0.28	2.4	3.6	2.4	149
	520	133	118	6	2	1580	3150	500	660	340TDO520-1		1	387	501	2	5	0.37	1.8	2.7	1.8	94.9
	520	165	133	6	2	2140	4300	460	620	340TDO520-2		1	386	503	2	5	0.39	1.7	2.6	1.7	118
	580	190	169	6	2	2690	5150	460	620	340TDO580-1		1	399	554	2	5	0.39	1.7	2.6	1.7	194
	580	238	190	6	2	3450	7050	460	620	340TDO580-2		1	401	557	2	5	0.39	1.7	2.6	1.7	240
	580	241	170	6	1.5	3480	6890	460	620	340TDO580-3		1	368	540	1.5	5	0.43	1.57	2.34	1.53	237
	580	242	170	6	1.5	3480	6890	460	620		1097768	1	368	540	1.5	5	0.43	1.57	2.34	1.53	238
	580	305	241	6	2	4700	10200	460	620	340TDO580-4		1	401	557	2	4	0.33	2	3	2	323
360	480	160	128	4	1	1950	4750	510	680		2097972	1	405	460	1	3	0.33	2	3	2	74.7
	540	134	120	6	2	1690	3300	460	620	360TDO540-1		1	405	522	2	5	0.39	1.7	2.6	1.7	97.6
	540	169	134	6	2	2280	4800	460	620		97872	1	409	524	2	5	0.39	1.7	2.6	1.7	123
	540	184	140	6	1.5	2400	4980	460	620	360TDO540-2		1	388	510	1.5	5	0.29	2.32	3.45	2.26	131
	540	185	140	6	1.5	2400	4980	460	620		97172	1	388	510	1.5	5	0.29	2.32	3.45	2.26	132
	560	300	240	6	2	4100	9500	400	520	360TDO560-1		1	410	540	2	4	0.28	2.4	3.6	2.4	254
	600	192	171	6	2	2860	5750	400	520	360TDO600-1		1	420	577	2	5	0.41	1.6	2.4	1.6	214
	600	240	192	6	2	3850	8000	400	520	360TDO600-2		1	420	577	2	5	0.39	1.7	2.6	1.7	260
	600	242	170	6	2	3200	7100	400	520		1097772	1	420	577	2	5	0.44	0.54	2.3	1.51	221
	605	192	171	6	2	2860	5750	400	520	360TDO605-1		1	420	579	2	5	0.41	1.6	2.4	1.6	220
370	680	280	188	7.5	4	4400	8500	380	500	370TDO680-1		1	452	652	3	6	0.7	0.97	1.4	0.94	417
380	508	139.7	88.9	6.4	1.5	920	2270	380	500	380TDO508-1		1	408	483	1.5	5	0.53	1.3	1.9	1.2	69.5
	520	145	105	4	1	1950	3950	530	710		1097976	1	424	502	1	3	0.38	1.77	2.64	1.73	78.8
	520	148	112	4	1.5	2050	4280	530	710	380TDO520-1		1	424	502	1.5	3	0.3	2.3	3.4	2.2	80.2

Double-row Taper Roller Bearing with Double Inner Ring

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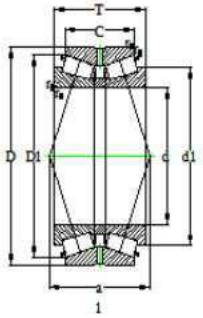

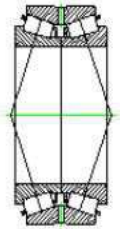

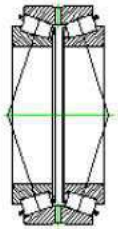

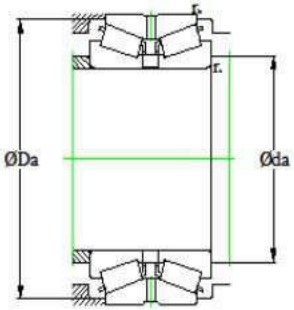

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old		da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
380	560	135	122	6	2	1830	3700	530	710	380TDO560-1		1	424	541	2	5	0.37	1.8	2.7	1.8	110
	560	171	135	6	2	2480	5450	530	710	380TDO560-2		1	428	543	2	5	0.37	1.8	2.7	1.8	136
	560	190	140	6	2	2700	6400	410	540		97176	1	428	543	2	5	0.39	1.75	2.61	1.71	137
	620	194	173	6	2	2560	4850	410	540	380TDO620-1		1	437	596	2	5	0.39	1.7	2.6	1.7	206
	620	241	170	5	2	3700	7400	410	540	380TDO620-2		1	402	582	2	4	0.46	1.5	2.2	1.4	253
	620	242	170	6	2	3950	8550	410	540		1097776	1	443	599	2	5	0.46	1.47	2.18	1.43	256
	620	243	194	6	2	3950	8550	410	540	380TDO620-3		1	443	599	2	5	0.39	1.7	2.6	1.7	276
	660	380	310	14	3.5	7270	15200	410	540	380TDO660-1		1	443	622	3	12	0.33	2	3	2	520
385	550	220	180	6	1.5	3150	8000	410	540	385TDO550-1		1	429	534	1.5	5	0.33	2	3	2	162
390	600	185	130	5	1.5	2470	5300	410	540	390TDO600-1		1	442	575	1.5	4	0.37	1.8	2.7	1.8	178
	600	310	220	6	1.5	3800	8750	410	540	390TDO600-2		1	444	581	1	4	0.35	1.9	2.9	1.9	279
	630	254	170	1.5	6	3460	7490	410	540	390TDO630-1		1	418	601	1.5	5	0.76	0.88	1.31	0.86	290
400	540	140	100	6	1	1400	3300	410	540	400TDO540-1		1	440	527	1	5	0.48	1.4	2.1	1.4	78.4
	590	185	123	6	1	2400	5100	410	540	400TNA590-1		2	419	560	1	5	0.32	2.12	3.15	2.07	150
	600	148	132	6	2	2080	4250	410	540	400TDO301		1	450	579	2	5	0.37	1.8	2.7	1.8	135
	600	185	148	6	2	2710	5950	410	540	400TDO600-1		1	453	581	2	5	0.37	1.8	2.7	1.8	173
	600	195	148	6	2	3070	6430	410	540	400TDO600-2		1	428	560	2	5	0.32	2.12	3.15	2.07	177
	600	205	150	6	1.5	2830	6270	410	540	400TDO600-3		1	428	560	1.5	5	0.4	1.68	2.5	1.64	187
	600	206	150	6	1.5	2830	6270	410	540	351080		1	428	560	1.5	5	0.38	1.78	2.65	1.74	179
	650	200	178	6	3	3300	6750	410	540	400TDO650-1		1	458	622	2.5	5	0.39	1.7	2.6	1.7	253
	650	250	200	6	3	4200	9150	410	540	400TDO650-2		1	462	625	2.5	5	0.39	1.7	2.6	1.7	309
	650	255	200	6	3	4200	9150	360	480		1097780	1	462	625	2.5	5	0.41	1.66	2.47	1.63	279
	650	280	180	6	2.5	3800	8400	360	480	400TDO650-3		1	478	628	2	5	0.87	0.78	1.2	0.76	340
	820	295	180	7.5	4	5300	8950	360	480	400TDO820-1		1	498	775	3	6	0.61	1.1	1.7	1.1	638
420	600	150	134	6	2	2240	4750	360	480	420TDO600-1		1	467	588	2	5	0.39	1.7	2.6	1.7	131
	620	150	134	6	2	2240	4750	360	480	420TDO620-1		1	467	598	2	5	0.39	1.7	2.6	1.7	151
	620	188	150	6	2	2850	6450	360	480	420TDO620-2		1	471	600	2	5	0.39	1.7	2.6	1.7	184
	620	190	125	6	2	2060	4380	360	480	420TDO620-3		1	448	583	1.5	5	0.35	1.95	2.91	1.91	184

Double-row Taper Roller Bearing with Double Inner Ring

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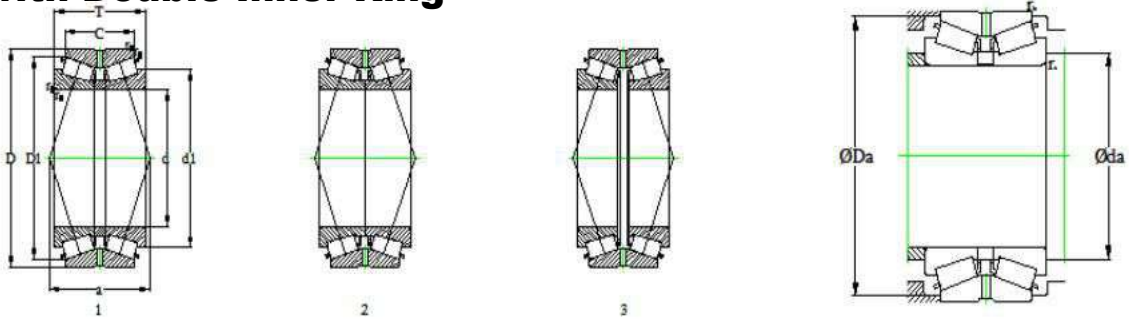

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
420	620	205	150	6	2	2870	6160	360	480	420TDO620-4		1	448	585	1.5	5	0.4	1.68	2.5	1.64	180
	620	206	150	6	2	2870	6160	360	480	351084		1	448	585	1.5	5	0.41	1.64	2.44	1.6	191
	622.3	240	135	7.5	1.5	2720	6350	360	480	420TDO622-1A		1	493	610	1.5	6	1.3	0.54	0.8	0.52	232
	700	224	200	6	3	3950	8200	360	480		373184	1	486	670	2.5	5	0.32	2.12	3.15	2.07	382
	700	274	200	6	2.5	4650	9600	360	480	420TDO700-1		1	486	669	2	5	0.32	2.1	3.2	2.1	390
	700	275	200	6	2.5	4650	9600	360	480		1097784	1	486	669	2	5	0.32	2.12	3.15	2.07	376
	700	280	224	6	3	5150	11500	360	480	420TDO700-1		1	493	673	2.5	5	0.39	1.7	2.6	1.7	422
440	650	157	140	6	3	2540	5600	360	480	440TDO650-1		1	493	628	2.5	5	0.37	1.8	2.7	1.8	175
	650	196	157	6	3	3500	7270	360	480	440TDO650-2		1	497	630	2.5	5	0.37	1.8	2.7	1.8	203
	650	211	152	6	2.5	3150	6900	360	480	440TDO650-3		1	468	615	2	5	0.43	1.57	2.34	1.53	211
	655	196	157	6	3	3100	7300	360	480	440TDO655-1		1	497	633	2.5	5	0.37	1.8	2.7	1.8	220
	720	226	201	6	3	4100	8500	340	460	440TDO720-1		1	505	691	2.5	5	0.39	1.7	2.6	1.7	355
	720	283	226	6	3	5300	11700	340	460	440TDO720-2		1	511	694	2.5	5	0.39	1.7	2.6	1.7	438
457	537	170	135	6	2.5	1760	5250	320	400	457TDO537-11		1	493	561	2	5	0.4	1.7	2.5	1.7	91.8
460	620	169	131	5	1.5	2260	5450	320	400	460TDO620-1		1	501	605	1.5	4	0.4	1.7	2.5	1.6	132
	640	200	160	6	2.5	2350	6350	320	400	460TDO640-1		1	517	627	2	5	0.47	1.4	2.1	1.4	185
	680	163	145	6	3	2680	5900	320	400	460TDO680-1		1	515	657	2.5	5	0.4	1.7	2.5	1.6	199
	680	204	163	6	3	3400	7950	320	400	460TDO680-2		1	518	659	2.5	5	0.4	1.7	2.5	1.6	244
	680	229	175	6	3	3430	7390	320	400	460TDO680-3		1	488	645	2	5	0.32	2.12	3.15	2.07	251
	760	240	214	7.5	4	3650	7100	320	400	460TDO760-1		1	532	728	3	6	0.39	1.7	2.6	1.7	421
	760	300	240	7.5	4	5850	13100	320	400	460TDO760-2		1	538	732	3	6	0.39	1.7	2.6	1.7	522
480	615	120	94	3	1	1340	3400	360	480	480TDO615-1		1	514	600	1	2.5	0.35	1.9	2.9	1.9	80.5
	650	180	130	5	1.5	1980	5200	360	480		1097996	1	538	615	1.5	4	0.42	1.61	2.4	1.58	159
	700	165	147	6	3	2850	6150	300	380	480TDO700-1		1	534	678	2.5	5	0.39	1.7	2.6	1.7	207
	700	206	165	6	3	3550	8100	300	380	480TDO700-2		1	536	678	2.5	5	0.39	1.7	2.6	1.7	253
	700	275	200	6	3	4320	10300	300	380	480TDO700-3		1	508	676	2.5	5	0.55	1.24	1.84	1.21	350
	790	248	221	7.5	4	4800	10000	300	380	480TDO790-1		1	553	757	3	6	0.39	1.7	2.6	1.7	472
	790	310	248	7.5	4	6300	14100	300	380	480TDO790-2		1	559	760	3	6	0.39	1.7	2.6	1.7	579

Double-row Taper Roller Bearing with Double Inner Ring

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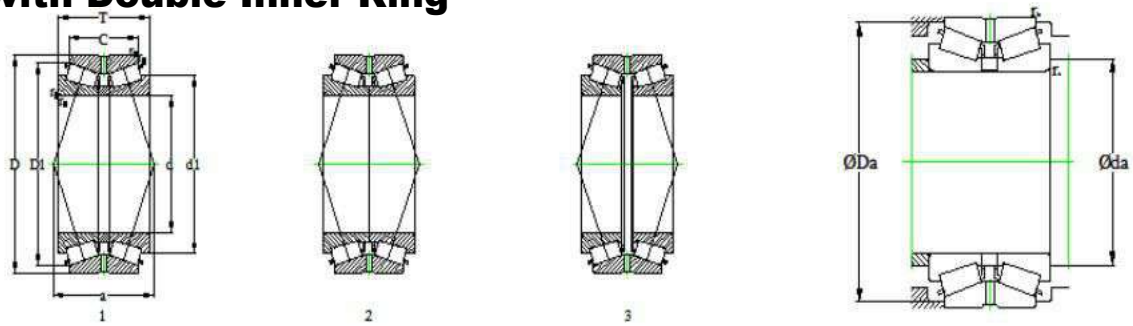

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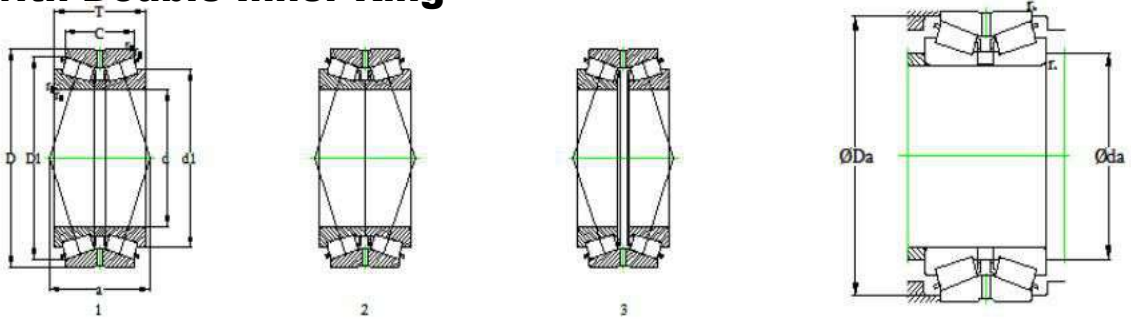
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
490	640	179	144	7.5	2	2430	6480	320	400	490TDO640-1		1	526	615	2	6	0.37	1.8	2.69	1.76	139
500	670	180	130	5	2	2400	6100			3519/500/HC		1	522	637	2	4	0.4	1.7	2.5	1.6	157
	720	167	149	6	3	2730	6100			500TDO720-1		1	552	696	2.5	5	0.39	1.7	2.6	1.7	216
	720	209	167	6	3	3600	8700			500TDO720-2		1	557	698	2.5	5	0.39	1.7	2.6	1.7	266
	720	236	180	6	3	3600	8700				971/500		557	698	2	6	0.32	2.08	3.1	2.04	276
	830	264	235	7.5	4	5400	11500			500TDO830-1		1	577	793	3	6	0.39	1.7	2.6	1.7	563
	830	330	264	7.5	4	7000	16000			500TDO830-2		1	583	797	3	6	0.39	1.7	2.6	1.7	692
	910	360	260	7.5	4	7300	14900			500TDO910-1		1	599	868	3	6	0.55	1.2	1.8	1.2	929
505	660	235	180	6	1.5	3250	9000			505TDO660-1		1	546	645	1.5	5	0.31	2.2	3.3	2.1	193
506	636	187	147	7	2	2360	7000			506TDO636-1		1	546	625	2	7	0.35	1.9	2.8	1.9	128
515	720	180	140	6	3	2730	6100			515TDO720-1		1	560	693	2.5	5	0.39	1.7	2.6	1.7	204
520	740	189	120	6	3	2580	5320			520TDO740-1		1	534	695	2.5	2	0.48	1.42	2.11	1.39	215
530	710	189	136	6	1.5	3100	7590			530TDO710-1		1	558	680	1.5	5	0.4	1.68	2.5	1.64	189
	710	190	136	6	1.5	3100	7590				10979/530	1	558	680	1.5	5	0.4	1.68	2.5	1.64	190
	780	185	163	6	3	3600	8200			530TDO780-1		1	589	752	2.5	5	0.37	1.8	2.7	1.8	295
	780	231	185	6	3	4450	10700			530TDO780-2		1	593	754	2.5	5	0.37	1.8	2.7	1.8	362
	870	272	239	7.5	4	5850	12500			530TDO870-1		1	610	834	3	6	0.39	1.7	2.6	1.7	620
	870	340	272	7.5	4	7300	16600			530TDO870-2		1	614	836	3	6	0.39	1.7	2.6	1.7	771
540	850	300	200	7.5	4	5750	12500			540TDO850-1		1	623	824	3	6	0.65	1	1.5	1	575
560	735	225	180	6.4	1.5	3950	11200			560TDO735-1		1	608	719	1.5	6.4	0.35	1.9	2.9	1.9	244
	740	190	140	6.4	1.5	3000	7800			560TDO740-1		1	606	720	1.5	6.4	0.34	2	2.9	1.9	200
	750	212	156	6.4	1.5	3290	8250			560TDO750-1		1	588	720	1.5	6.4	0.43	1.57	2.34	1.53	234
	820	195	173	6	3	3700	8650			560TDO820-1		1	622	790	2.5	5	0.39	1.7	2.6	1.7	342
	820	244	195	6	3	4900	12400			560TDO820-2		1	627	793	2.5	5	0.39	1.7	2.6	1.7	423
	920	280	246	7.5	4	6300	13400			560TDO920-1		1	643	881	3	6	0.39	1.7	2.6	1.7	724
	920	350	280	7.5	4	8100	18600			560TDO920-2		1	649	885	3	6	0.39	1.7	2.6	1.7	891

Double-row Taper Roller Bearing with Double Inner Ring

WSW



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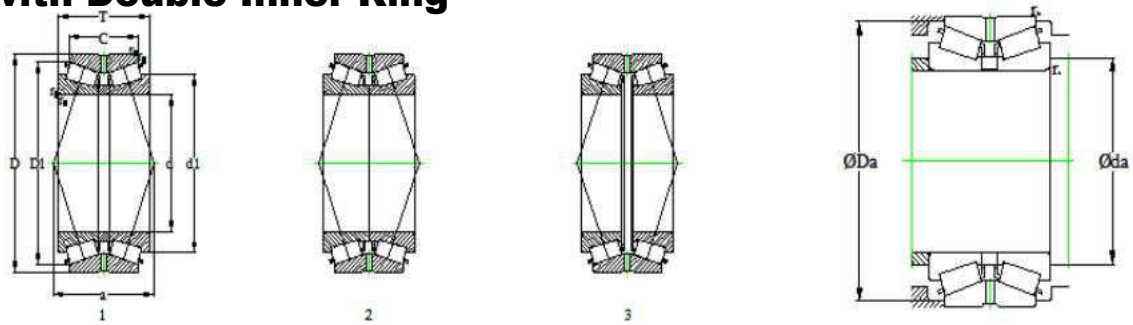
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 Grease	油润滑 Oil	轴承代号 Bearing Numbers 新型号 New	旧型号 Old	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor						da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
570	815	345	265	6	3	6850	18600			570TDO815-1		1	633	791	2.5	5	0.33	2	3	2	551
580	800	300	235	6	3	5900	15600			580TDO800-1		1	635	781	2.5	5	0.33	2.1	3.1	2	430
	900	300	200	7.5	4	5950	13400			580TDO900-1		1	667	873	3	6	0.7	0.97	1.4	0.94	634
590	780	255	178	5	2.5	3900	10500			590TDO780-1		1	612	754	2	4	0.39	1.7	2.6	1.7	291
	990	400	270	7.5	4	8600	19300			590TDO990-1		1	695	954	3	6	0.67	1	1.5	0.98	1140
600	800	205	156	5	1.5	3200	9400				3519/600	1	666	770	1.5	4	0.33	2.05	3.05	2	247
	870	200	176	6	3	4150	9650			600TDO870-1		1	666	841	2.5	5	0.39	1.7	2.6	1.7	387
	870	250	200	6	3	5350	13400			600TDO870-2		1	669	844	2.5	5	0.39	1.7	2.6	1.7	497
	870	269	198	6	3	5650	13500			600TDO870-3		1	628	830	2	5	0.4	1.68	2.5	1.64	494
	980	300	264	7.5	4	7350	16300			600TDO980-1		1	688	938	3	6	0.37	1.8	2.7	1.8	882
	980	388	300	7.5	4	9700	23200			600TDO980-2		1	696	943	3	6	0.37	1.8	2.7	1.8	1120
620	825	190	145	6	1.5	2860	7850			620TDO825-1		1	668	793	1.5	5	0.33	2.1	3.1	2	247
630	800	180	140	6	1.5	2960	8310			630TDO800-1		1	658	775	1.5	5	0.37	1.8	2.69	1.76	210
	920	212	186	7.5	4	4650	11100			630TDO920-1		1	702	887	3	6	0.36	1.9	2.8	1.8	464
	920	265	212	7.5	4	5850	15000			630TDO920-2		1	705	889	3	6	0.36	1.9	2.8	1.8	574
	1030	315	277	7.5	4	8050	28000			630TDO1030-1		1	730	962	3	6	0.37	1.8	2.7	1.8	1000
	1030	389	315	7.5	4	10100	23000			630TDO1030-2		1	725	992	3	6	0.37	1.8	2.7	1.8	1230
650	820	205	160	6	1	3450	10400			650TDO820-1		1	697	804	1	5	0.35	1.9	2.8	1.9	245
	920	210	185	5	2	4650	11100			650TDO920-1		1	709	889	2	4	0.36	1.9	2.8	1.8	428
660	830	180	140	6	2.5	3050	8700			660TDO830-1		1	705	813	2	5	0.39	1.7	2.6	1.7	213
670	880	185	130	5	2	3300	8550			670TDO880-1		1	721	857	2	4	0.45	1.5	2.2	1.5	278
	980	230	202	7.5	4	5300	12300			670TDO980-1		1	743	946	3	6	0.37	1.8	2.7	1.8	571
	980	288	230	7.5	4	6900	16200			670TDO980-2		1	742	948	3	6	0.37	1.8	2.7	1.8	706
	1090	336	295	7.5	4	8750	19600			670TDO1090-1		1	760	1037	3	6	0.37	1.8	2.7	1.8	1210
	1090	392	336	7.5	4	10300	24300			670TDO1090-2		1	764	1042	3	6	0.37	1.8	2.7	1.8	1390
700	980	350	270	7.5	4	8200	22500			700TDO980-1		1	772	953	3	6	0.33	2	3	2	782

Double-row Taper Roller Bearing with Double Inner Ring

WSW



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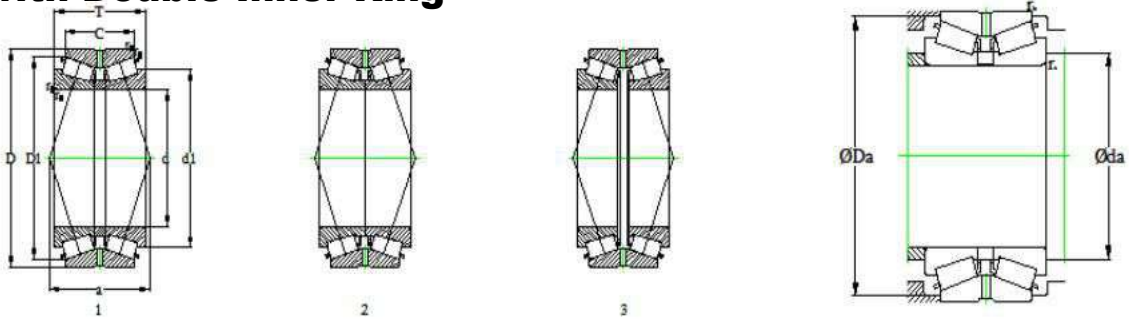
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 Grease	油润滑 Oil	轴承代号 Bearing Numbers 新型号 New	旧型号 Old	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
d	D	T	C	r1.2min	r3.4min	Cr	Cor						da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
700	980	350	270	7.5	4	8100	21300			700TDO980-2		1	736	950	3	6	0.39	1.74	2.59	1.7	763
	1030	250	210	7.5	4	5250	12600			700TDO1030-1		1	786	1004	3	6	0.7	0.97	1.4	0.94	674
	1030	280	210	7.5	4	6050	15100			700TDO1030-2		1	790	1004	3	6	0.7	0.97	1.4	0.94	749
	1030	380	310	7.5	4	7850	19700			700TDO1030-3		1	784	998	3	6	0.35	1.9	2.8	1.9	1040
	1070	348	240	7.5	4	8310	19700			700TDO1070-1		1	736	1010	3	6	0.55	1.24	1.84	1.21	1040
710	950	238.5	175	6	2.5	4600	11400			710TDO950-1		1	766	926	2	5	0.46	1.5	2.2	1.4	421
	950	240	175	6	2.5	4600	11400				10979/710	1	766	926	2	5	0.46	1.47	2.19	1.44	445
	1030	236	208	7.5	4	57500	14000			710TDO1030-1		1	788	995	3	6	0.36	1.9	2.8	1.8	642
	1030	295	236	7.5	4	7100	17200			710TDO1030-2		1	787	999	3	6	0.39	1.7	2.6	1.7	774
	1150	345	303	9.5	5	9470	20100			710TDO1150-1		1	754	1092	4	8	0.39	1.74	2.59	1.7	1350
	1150	393	345	9.5	5	10700	25000			710TDO1150-2		1	812	1103	4	8	0.37	1.8	2.7	1.8	1550
740	1110	340	270	7.5	4	9200	22100			740TDO1100-1		1	827	1072	3	6	0.33	2	3	2	1100
750	1090	250	220	7.5	4	6450	15300			750TDO1090-1		1	835	1030	3	6	0.37	1.8	2.7	1.8	749
	1090	313	250	7.5	4	8000	20000			750TDO1090-2		1	833	1055	3	6	0.37	1.8	2.7	1.8	931
	1000	255	190	4	2.5	5400	15100			3519/750X2/HC		1	833	1065	2	3	0.45	1.5	2.24	1.47	535
	1000	264	194	4	2.5	4900	15600			3519/750		1	833	1065	2	3	0.45	1.5	2.24	1.47	546
	1220	365	321	9.5	5	10600	24000			750TDO1220-1		1	870	1140	4	8	0.37	1.8	2.7	1.8	1620
	1220	395	365	9.5	5	12000	28200			750TDO1220-2		1	870	1155	4	8	0.37	1.8	2.7	1.8	1750
780	1150	330	210	7.5	4	7450	18500			780TDO1150-1		1	874	1109	3	6	0.67	1	1.5	0.98	1040
800	1060	270	204	6	2.5	6250	15200				10979/800	1	881	1040	2	5	0.35	1.93	2.87	1.88	606
	1150	258	227	7.5	4	6550	15700			800TDO1150-1		1	881	1113	3	6	0.39	1.7	2.6	1.7	843
	1150	323	258	7.5	4	8500	22700			800TDO1150-2		1	887	1113	3	6	0.37	1.8	2.7	1.8	1050
	1150	350	256	7.5	4	9350	24200			800TDO1150-3		1	836	1093	3	6	0.37	1.8	2.7	1.8	1119
	1280	375	330	9.5	5	11000	23800			800TDO1280-1		1	844	1207	4	8	0.39	1.74	2.59	1.7	1780
	1280	397	375	9.5	5	11800	26200			800TDO1280-2		1	844	1218	4	8	0.39	1.74	2.59	1.7	1910
850	1120	266	190	6	2.5	6340	17100			850TDO1120-1		1	878	1080	2	5	0.46	1.47	2.19	1.44	641
	1120	268	188	6	2.5	6340	17100			3519/850		1	878	1080	5	2	0.46	1.47	2.19	1.44	645
	1220	272	239	7.5	4	7450	18800			850TDO1220-1		1	945	1155	3	6	0.37	1.8	2.7	1.8	988

Double-row Taper Roller Bearing with Double Inner Ring

WSW



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基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old	Design	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
850	1220	340	272	7.5	4	9850	25000			850TDO1220-1		1	937	1183	3	6	0.37	1.8	2.7	1.8	1240
	1250	360	235	7.5	4	8650	21300			850TDO1250-1		1	949	1209	3	6	0.65	1	1.5	1	1320
	1360	400	352	SP	12	12400	27300			850TDO1360-1		1	904	1284	10	SP	0.39	1.74	2.59	1.7	2170
	1360	500	400	SP	12	16000	37700			850TDO1360-2		1	904	1287	10	SP	0.39	1.74	2.59	1.7	2710
870	1120	210	155	6	2.5	4800	13100			870TDO1120-1		1	929	1092	2	5	0.4	1.7	2.5	1.7	484
880	1080	200	140	6	2.5	4100	12900			880TDO1080-1		1	935	1061	2	5	0.46	1.5	2.2	1.4	379
900	1180	275	205	6	2.5	6950	21300			3519/900	10979/900	1	995	1135	2	5	0.37	1.8	2.69	1.76	763
	1280	280	246	7.5	4	8150	20600			900TDO1280-1		1	995	1210	3	6	0.37	1.8	2.7	1.8	1110
	1280	350	280	7.5	4	10100	26300			900TDO1280-2		1	989	1240	3	6	0.39	1.7	2.6	1.7	1350
950	1250	272	174	7.5	4	6270	17500			950TDO1250-1		1	1010	1200	2.5	12	0.73	0.92	1.37	0.9	786
	1250	298	220	7.5	4	7660	21900			950TDO1250-2		1	986	1190	2.5	6	0.33	2.03	3.02	1.98	896
	1280	280	246	7.5	4	7600	19800			950TDO1280-1		1	1028	1250	3	6	0.4	1.7	2.5	1.6	971
	1360	300	264	7.5	4	9250	23700			950TDO1360-1		1	1055	1290	3	6	0.37	1.8	2.7	1.8	1360
	1360	375	300	7.5	4	11800	32500			950TDO1360-2		1	1055	1300	3	6	0.37	1.8	2.7	1.8	1700
	1360	375	300	7.5	4	11600	29600			950TDO1360-3		1	986	1297	3	6	0.39	1.74	2.59	1.7	1670
	1500	540	380	9.5	4	15500	44500			950TDO1500-1		1	1120	1467	3	8	0.8	0.84	1.3	0.82	3510
980	1200	150	100	6	3	2580	8350			980TDO1200-1		1	1046	1177	2.5	5	0.68	0.99	1.5	0.97	341
1000	1180	240	190	6	1.5	5100	19700			1000TDO1180-1		1	1047	1160	1.5	5	0.32	2.1	3.2	2.1	451
1040	1290	350	270	6	2.5	8850	30000			1040TDO1290-1		1	1068	1260	2	5	0.4	1.7	2.5	1.6	976
1050	1390	300	215	7.5	4	8550	24300			1050TDO1390-1		1	1132	1352	3	6	0.37	1.8	2.7	1.8	1140
	1390	350	280	7.5	4	10100	29600			1050TDO1390-2		1	1134	1357	3	6	0.35	1.9	2.9	1.9	1360
1115	1460	300	220	5	2.5	8200	24000			1115TDO1460-1		1	1137	1397	2	4	0.47	1.4	2.1	1.4	1255
1120	1360	250	180	7.5	4	6050	20700			1120TDO1360-1		1	1185	1335	3	6	0.49	1.4	2	1.3	718
	1480	400	296	12	4	12730	36100			1120TDO1480-1		1	1185	1452	3	10	0.44	1.5	2.3	1.4	1760
	1460	335	250	7.5	3	9000	29500				10979/1120	1	1185	1394	3	6	0.35	1.93	2.87	1.88	1350
1150	1420	250	200	7.5	4	6100	19900			1150TDO1420-1		1	1223	1394	3	6	0.47	1.4	2.1	1.4	808

Double-row Taper Roller Bearing with Double Inner Ring

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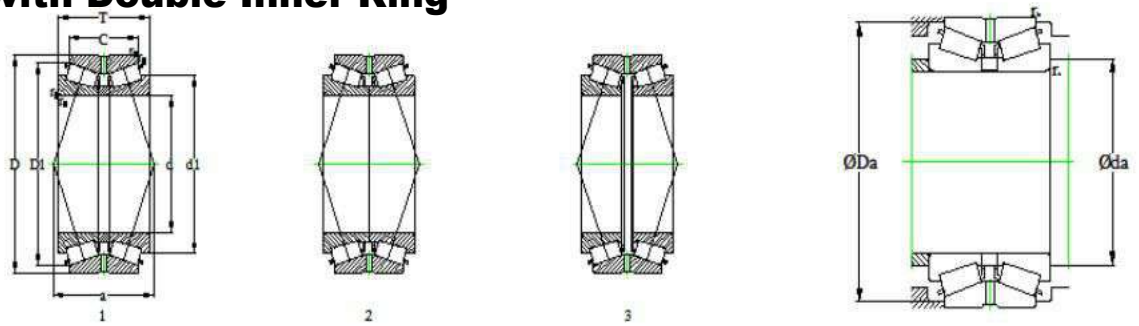

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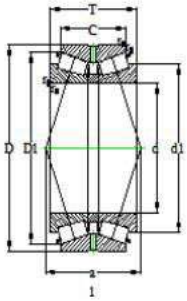
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考)
								脂润滑	油润滑	新型号	旧型号										
d	D	T	C	r1.2min	r3.4min	Cr	Cor	Grease	Oil	New	Old		da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
1160	1540	400	290	12	4	13490	36100			1160TDO1540-1		1	1238	1464	3	10	0.44	1.5	2.3	1.4	1900
1180	1600	390	250	7.5	4	12300	33700			1180TDO1600-1		1	1216	1540	3	6	0.7	0.97	1.44	0.94	2220
1250	1500	250	190	6	1.5	7000	21280			1250TDO1500-1		1	1284	1460	1.5	5	0.35	1.9	2.9	1.8	795
1370	1605	210	150	7.5	4	5600	20300			1370TDO1605-1		1	1430	1575	3	6	0.4	1.7	2.5	1.6	688
1400	1850	360	260	9.5	5	12300	36000			1400TDO1850-1		1	1509	1800	4	8	0.52	1.3	1.9	1.3	2410
1450	1900	460	280	9.5	2	15000	48000			1450TDO1900-1		1	1582	1868	2	8	0.83	0.81	1.2	0.79	3240

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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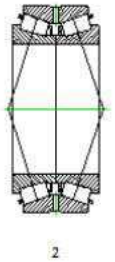

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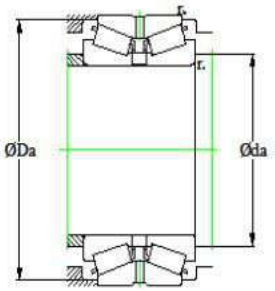
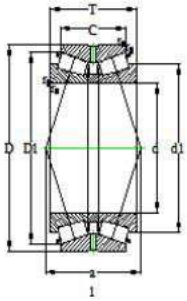


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
100	180.975	104.775	85.725	1.6	3.6	440	750	783/774D	1	123	171	1.6	3.6	0.39	1.8	2.6	1.7	10.6
101.6	161.925	82.548	61.912	0.8	3.6	310	570	52400/52637D	1	120	155	0.8	3.6	0.47	1.4	2.1	1.4	5.7
	168.275	92.075	69.85	0.8	3.6	380	685	687/672D	1	121	161	0.8	3.6	0.47	1.4	2.1	1.4	7.3
	180	104.775	85.725	0.8	3.6	440	750	780/773D	1	124	171	0.8	3.6	0.39	1.8	2.6	1.7	10.2
	180.975	104.775	85.725	1.6	3.6	440	750	780/774D	1	124	171	1.6	3.6	0.39	1.8	2.6	1.7	10.4
	190.5	127	101.6	1.6	8	605	1000	861/854D	1	130	180	1.6	8	0.33	2	3	2	14.4
	190.5	127	104.775	1.6	8	665	1040	HH221449/HH221410D	1	131	183	1.6	8	0.33	2	3	2	14.3
	200.025	115.888	80.216	2.3	3.6	540	850	98400/98789D	1	132	190	2.3	3.6	0.63	1.1	1.6	1	14.8
	212.725	142.875	117.475	1.6	7	975	1620	HH224335/HH224310D	1	137	205	1.6	7	0.33	2.1	3.1	2	23.3
104.775	180	104.775	85.725	0.8	3.6	440	750	782/773D	1	125	171	0.8	3.6	0.39	1.8	2.6	1.7	9.7
	180.975	104.775	85.725	1.6	6.4	440	750	786/774D	1	128	171	1.6	6.4	0.39	1.8	2.6	1.7	9.9
	190.5	106.632	80.962	1.6	3.6	510	925	71412/71751D	1	131	182	1.6	3.6	0.42	1.6	2.4	1.6	12.2
106.362	165.1	82.55	63.5	0.8	3.6	335	645	56418/56650D	1	126	160	0.8	3.6	0.5	1.4	2	1.3	5.9
107.95	146.05	49.212	39.688	0.8	1.5	147	330	L521949/L521910D	1	120	141	0.8	1.5	0.39	1.7	2.6	1.7	2.2
	165.1	82.55	63.5	0.8	3.6	335	645	56425/56650D	1	127	160	0.8	3.6	0.5	1.4	2	1.3	5.7
	190.5	106.362	80.962	1.6	3.6	510	925	71425/71751D	1	133	182	1.6	3.6	0.42	1.6	2.4	1.6	11.8
	212.725	142.875	117.475	1.6	8	975	1620	HH224340/HH224310D	1	142	205	1.6	8	0.33	2.1	3.1	2	22.1
	234.95	111.125	82.55	1.6	6.4	610	840	EE342043/342091D	1	144	222	1.6	6.4	0.43	1.6	2.3	1.5	20
109.952	190.5	106.362	80.962	1.6	3.6	510	925	71432/71751D	1	134	182	1.6	3.6	0.42	1.6	2.4	1.6	11.5
	177.8	92.075	69.85	0.8	3.6	400	750	64433/64700D	1	132	173	0.8	3.6	0.52	1.3	1.9	1.3	8
111.125	190.5	106.362	80.962	1.6	3.6	510	925	71437/71751D	1	135	182	1.6	3.6	0.42	1.6	2.4	1.6	11.3
114.3	177.8	92.075	69.85	0.8	3.6	444	788	64450/64700D	1	135	173	0.8	3.6	0.52	1.3	1.9	1.3	7.75
	212.725	142.875	117.475	1.6	7	975	1620	HH224346/HH224310D	1	144	205	1.6	7	0.33	2.1	3.1	2	20.9
	212.725	142.875	117.475	1.6	3.6	975	1620	HH224346NA/HH224310D	2	140	205	1.6	3.6	0.33	2.1	3.1	2	21
	228.6	115.888	84.138	2.3	3.6	645	1060	HM926740/HM926710D	1	152	220	2.3	3.6	0.74	0.92	1.4	0.9	20.5

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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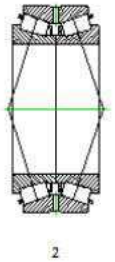

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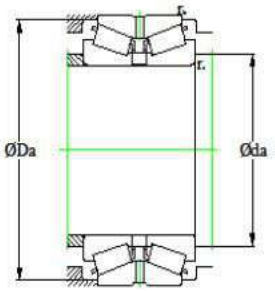
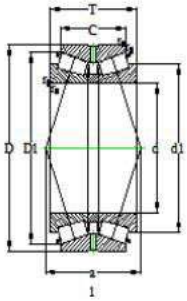


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
114.976	212.725	142.875	117.475	1.6	7	975	1620	HH224349/HH224310D	1	144	205	1.6	7	0.33	2.1	3.1	2	20.8
120	174.625	77.788	61.913	0.8	3.6	365	765	M224748/M224710D	1	137	169	0.8	3.6	0.33	2	3	2	5.8
120.65	174.625	77.788	61.913	0.8	3.6	365	765	M224749/M224710D	1	138	169	0.8	3.6	0.33	2	3	2	5.7
	206.375	107.95	82.55	0.8	3.2	545	1060	795/792D	1	149	199	0.8	3.2	0.46	1.5	2.2	1.4	14
123.825	182.562	85.725	73.025	0.8	3.6	390	885	48286/48220D	1	143	177	0.8	3.6	0.31	2.2	3.3	2.2	7.4
124.943	234.95	142.875	114.3	1.6	6.4	875	1580	95491/95927D	1	162	226	1.6	6.4	0.37	1.8	2.7	1.8	25.7
127	169.975	58.738	49.213	1	1.6	225	501	L225849/L225812D	1	135.2	161.8	1	1.6	0.33	2.03	3.02	1.98	3.45
	182.563	85.725	73.025	0.8	3.6	389	858	48291/48220D	1	139.2	173.2	0.8	3.6	0.31	2.21	3.29	2.16	6.99
	196.85	101.6	85.725	0.8	3.6	535	1120	67388/67322D	1	150	192	0.8	3.6	0.34	2	2.9	1.9	11.1
	196.85	107.95	92.075	0.8	3.6	534	1120	67388/67323D	1	139.2	188.8	0.8	3.6	0.34	1.96	2.92	1.92	11.4
	200.025	101.6	85.725	0.8	3.6	535	1120	67388/67325D	1	150	193	0.8	3.6	0.34	2	2.9	1.9	11.7
	206.375	107.95	82.55	0.8	3.6	558	1100	798/792D	1	139.2	194.1	0.8	3.6	0.46	1.47	2.19	1.44	13.2
	215.9	106.362	80.962	1.6	3.6	495	985	74500/74851D	1	157	208	1.6	3.6	0.49	1.4	2.1	1.4	15
	228.6	115.888	84.138	2.3	3.6	645	1060	HM926747/HM926710D	1	158	220	2.3	3.6	0.74	0.92	1.4	0.9	18.3
	230	126	84	1.6	4	645	1060	127KDE2301	1	158	220	1.6	4	0.74	0.92	1.4	0.9	19.6
	234.95	142.875	114.3	1.6	6.4	875	1580	95500/95927D	1	163	226	1.6	6.4	0.37	1.8	2.7	1.8	25.2
	258.762	177.8	136.525	1.6	9.6	975	1600	EE153050/153103D	1	167	243	1.6	9.6	0.32	2.1	3.1	2.1	38
127.792	228.6	115.888	84.138	2.3	3.6	645	1060	HM926749/HM926710D	1	158	220	2.3	3.6	0.74	0.92	1.4	0.9	18.1
128.588	206.375	107.95	82.55	0.8	3.2	545	1060	799/792D	1	153	199	0.8	3.2	0.46	1.5	2.2	1.4	12.7
130.175	196.85	101.6	85.725	0.8	3.2	535	1120	67389/67322D	1	152	192	0.8	3.2	0.34	2	2.9	1.9	10.6
	200.025	101.6	85.725	0.8	3.2	535	1120	67389/67325D	1	152	192	0.8	3.2	0.34	2	2.9	1.9	11.2
130.175	206.375	107.95	82.55	0.8	3.2	545	1060	799A/792D	1	154	199	0.8	3.2	0.46	1.5	2.2	1.4	12.4
133.35	177.008	57.15	47.625	0.8	1.5	213	515	L327249/L327210D	1	147	172	0.8	1.5	0.35	1.9	2.9	1.9	3.7

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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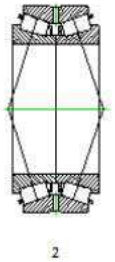

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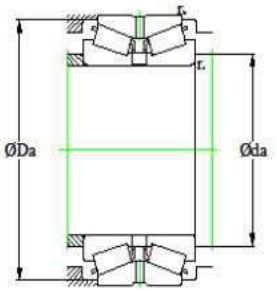
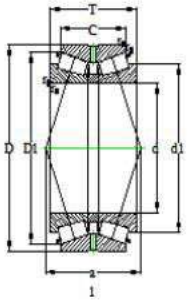


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
133.35	177.008	60.325	47.625	0.8	1.5	241	557	L327248NA/L327210D	1	141.6	169	0.8	1.5	0.35	1.94	2.89	1.9	3.79
	190.5	85.725	73.025	0.8	3.6	370	880	48385/48320D	1	153	185	0.8	3.6	0.32	2.1	3.1	2.1	7.7
	196.85	101.6	85.725	0.8	3.6	535	1120	67390/67322D	1	153	192	0.8	3.6	0.34	2	2.9	1.9	10
	200.025	101.6	85.725	0.8	3.6	535	1120	67390/67325D	1	153	193	0.8	3.6	0.34	2	2.9	1.9	10.6
	215.9	106.362	80.962	1.6	3.6	495	985	74525/74851D	1	160	208	1.6	3.6	0.49	1.4	2.1	1.4	14
	234.95	142.875	114.3	1.6	9.6	875	1580	95525/95927D	1	169	226	1.6	9.6	0.37	1.8	2.7	1.8	23.8
136.525	190.5	85.725	73.025	0.8	3.6	370	880	48393/48320D	1	155	185	0.8	3.6	0.32	2.1	3.1	2.1	7.3
	215.9	106.362	80.962	1.6	3.6	495	985	74537/74851D	1	162	208	1.6	3.6	0.49	1.4	2.1	1.4	13.4
	228.6	123.825	98.425	1.6	3.6	650	1240	896/892D	1	163	219	1.6	3.6	0.42	1.6	2.4	1.6	18.7
	254	149.225	111.125	1.6	7.1	941	1830	99537/99102D	1	155.7	236.4	1.6	7.1	0.41	1.66	2.47	1.62	31.9
	254	152.4	114.3	1.6	7.1	885	1660	99537/99101D	1	178	245.6		7.1	0.41	1.7	2.5	1.6	31.2
139.7																		
	215.9	106.362	80.962	1.6	3.6	495	985	74550/74851D	1	163	208	1.6	3.6	0.49	1.4	2.1	1.4	12.8
	222.25	75.692	53.975	2.3	3.6	325	535	73551/73876D	1	162	211	2.3	3.6	0.44	1.5	2.3	1.5	9.3
	228.6	123.825	98.425	1.6	3.6	753	1460	898/892D	1	151.9	214.2	1.6	3.6	0.42	1.6	2.39	1.57	18.5
	236.538	131.762	106.362	1.6	3.6	775	1440	HM231132/HM231111D	1	168	227	1.6	3.6	0.32	2.1	3.2	2.1	21
	241.3	131.762	106.362	1.6	3.6	775	1440	HM231132/HM231116D	1	168	230	1.6	3.6	0.32	2.1	3.2	2.1	22.6
	244.475	107.95	79.375	1.6	3.6	552	989	81550/81963D	1	151.9	226.5	1.6	3.6	0.35	1.93	2.88	1.89	18.8
	254	149.225	111.125	1.6	7	1026	1862	99550/99102D	1	179	245	1.6	7	0.4	1.7	2.5	1.6	31
	254	152.4	114.3	1.6	7	885	1660	99550/99101D	1	179	245	1.6	7	0.41	1.7	2.5	1.6	30.4
	268.288	160.338	125.413	1.6	6.4	1130	2090	EE107055/107105D	1	157.5	249	1.6	6.4	0.39	1.74	2.59	1.7	39.9
	304.8	135.733	97.633	1.6	3.2	1030	1600	EE750558/751204D	1	151.1	267.5	1.6	3.2	0.33	2.03	3.02	1.98	44.7
	307.975	200.025	155.575	1.6	3.2	1740	2780	HH234031/HH234011D	1	180	285	1.6	3.2	0.33	2.07	3.08	2.02	65.9
	307.975	200.025	146.05	2.4	9.5	1360	2300	EE450551/451215D	1	163.7	274.9	2.4	9.5	0.33	2.07	3.09	2.03	66.2
142.875	200.025	87.315	73.025	0.8	8	390	915	48684/48620D	1	167	195	0.8	8	0.34	2	3	2	7.9
	200.025	93.665	73.025	0.8	3.6	422	982	48686/48620D	1	155.1	190.1	0.8	3.6	0.34	2.01	2.99	1.96	8.43
	236.538	131.763	106.363	1.6	3.6	856	1660	HM231136/HM231111D	1	155.1	222.7	1.6	3.6	0.32	2.12	3.15	2.07	21.8
	241.3	131.762	106.362	1.6	3.6	685	1360	HM231136/HM231116D	1	171	230	1.6	3.6	0.44	1.5	2.3	1.5	22.4

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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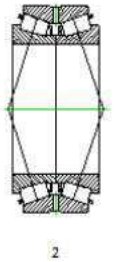

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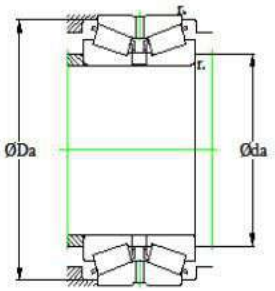
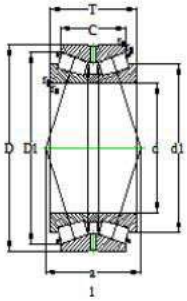


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
146.05	193.675	65.085	53.975	0.8	1.5	303	660	36690/36620D	1	161	188	0.8	1.5	0.37	1.8	2.7	1.8	5
	236.538	131.762	106.362	1.6	3.6	775	1440	HM231140/HM231111D	1	171	227	1.6	3.6	0.32	2.1	3.2	2.1	19.6
	236.538	131.762	106.362	1.6	3.6	685	1360	82576/82932D	1	173	228	1.6	3.6	0.44	1.5	2.3	1.5	20.4
	236.538	131.762	106.362	1.6	3.6	775	1440	HM231140NA/HM231111	2	171	227	1.6	3.6	0.32	2.1	3.2	2.1	19.7
	241.3	131.762	106.362	1.6	3.6	775	1440	D	1	171	230	1.6	3.6	0.32	2.1	3.2	2.1	21.2
	241.3	131.762	106.362	1.6	3.6	775	1440	HM231140/HM231116D	2	171	230	1.6	3.6	0.32	2.1	3.2	2.1	21.3
146.05	241.3	131.762	106.362	1.6	3.6	719	1460	HM231140NA/HM231116 82576/82951D	1	158.3	224.3	1.6	3.6	0.44	1.53	2.27	1.49	22.6
	244.475	107.95	79.375	1.6	3.6	570	1020	81575/81963D	1	175	235	1.6	3.6	0.35	1.9	2.9	1.9	17.9
	254	149.225	111.125	1.6	7	885	1660	99575/99102D	1	182	245	1.6	7	0.41	1.7	2.5	1.6	28
	254	152.4	114.3	1.6	7	941	1830	99575/99101D	1	165.3	236.4	1.6	7	0.41	1.66	2.47	1.62	30
	268.288	160.338	125.412	1.6	7	1040	1960	EE107057/107105D	1	184	256	1.6	7	0.39	1.7	2.6	1.7	36.5
	304.8	135.733	97.633	1.6	3.2	1090	1560	EE750576/751204D	1	180	285	1.6	3.2	0.33	2	3	2	42.1
	307.975	200.025	155.575	2.3	9.7	1510	2380	HH234040/HH234011D	1	194	294	2.3	9.7	0.33	2.1	3.1	2	61.6
	307.975	200.025	146.05	2.3	9.7	1360	2300	EE450577/451215D	1	170.1	274.9	2.3	9.7	0.33	2.07	3.09	2.03	63.9
149.225	236.538	131.762	106.362	1.6	6.4	775	1440	HM231148/HM231111D	1	176	227	1.6	6.4	0.32	2.1	3.2	2.1	18.8
	236.538	131.762	106.362	1.6	3.6	775	1440	HM231149/HM231111D	1	173	227	1.6	3.6	0.32	2.1	3.2	2.1	18.8
	236.538	131.762	106.362	1.6	3.6	685	1360	82587/82932D	1	175	228	1.6	3.6	0.44	1.5	2.3	1.5	19.7
	236.538	131.762	106.362	1.6	3.6	775	1440	HM231149NA/HM231111	2	173	227	1.6	3.6	0.32	2.1	3.2	2.1	18.9
	236.538	131.762	106.362	1.6	6.4	856	1660	D	1	167	222.7	1.6	6.4	0.32	2.12	3.15	2.07	20.2
	236.538	131.762	106.362	1.6	3.6	856	1660	HM231148/HM231111D	1	161.4	222.7	1.6	3.6	0.32	2.12	3.15	2.07	20.3
	236.538	131.762	106.362	1.6	3.6	719	1460	HM231149/HM231111D 82587/82932D	1	161.4	224.3	1.6	3.6	0.44	1.53	2.27	1.49	20.4
	241.3	131.762	106.362	1.6	3.6	775	1440	HM231149/HM231116D	1	173	230	1.6	3.6	0.32	2.1	3.2	2.1	20.4
	241.3	131.762	106.362	1.6	3.6	685	1360	82587/82951D	1	175	230	1.6	3.6	0.44	1.5	2.3	1.5	21
	241.3	131.762	106.362	1.6	3.6	775	1440	HM231149NA/HM231116	2	173	230	1.6	3.6	0.32	2.1	3.2	2.1	20.5
	241.3	131.762	106.362	1.6	6.4	856	1660	D	1	167	222.7	1.6	6.4	0.32	2.12	3.15	2.07	21.7
	241.3	131.762	106.362	1.6	3.6	856	1660	HM231148/HM231116D	1	161.4	222.7	1.6	3.6	0.32	2.12	3.15	2.07	21.8
	254	149.225	111.125	1.6	6.4	885	1660	HM231149/HM231116D 99587/99102D	1	184	245	1.6	6.4	0.41	1.7	2.5	1.6	27.4

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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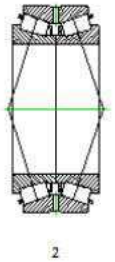

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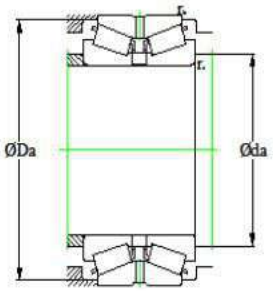
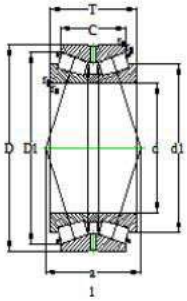
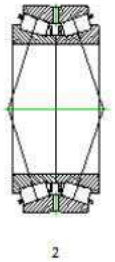


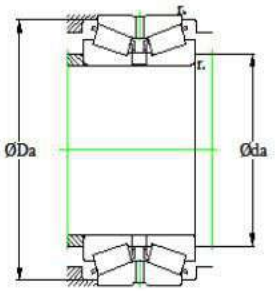
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
149.225	254	152.4	114.3	1.6	6.4	941	1830	99587/99101D	1	168.4	236.4	1.6	6.4	0.41	1.66	2.47	1.62	29.1
150	244.475	107.95	79.375	1.6	3.6	552	989	81590/81963D	1	162.2	226.5	1.6	3.6	0.35	1.93	2.88	1.89	16.8
150.812	244.475	107.95	79.375	1.6	3.6	570	1020	81593/81963D	1	177	235	1.6	3.6	0.35	1.9	2.9	1.9	16.9
152.4	222.25	100.01	76.2	0.8	8	490	1060	M231648/M231610D	1	179	215	0.8	8	0.33	2	3	2	11.9
	222.25	100.01	76.2	0.8	3.6	575	1187	M231649/M231610D	1	175	215	0.8	3.6	0.33	2	3	2	12
	222.25	100.01	76.2	0.8	8	541	1190	M231648/M231610D	1	173.2	209.3	0.8	8	0.33	2.03	3.02	1.98	11.8
	222.25	100.01	76.2	0.8	3.6	541	1190	M231649/M231610D	1	164.6	209.3	0.8	3.6	0.33	2.03	3.02	1.98	11.9
	222.25	106.36	82.55	0.8	3.6	490	1060	M231649/M231611D	1	175	215	0.8	3.6	0.33	2	3	2	12.5
	244.475	107.95	79.375	1.6	3.6	570	1020	81600/81693D	1	178	235	1.6	3.6	0.35	1.9	2.9	1.9	16.6
	254	149.225	111.125	1.6	7	885	1660	99600/99102D	1	185	245	1.6	7	0.41	1.7	2.5	1.6	26.5
	254	152.4	114.3	1.6	7	885	1660	99600/99101D	1	185	245	1.6	7	0.41	1.7	2.5	1.6	27.1
	268.288	160.338	125.412	1.6	7	1040	1960	EE107060/107105D	1	187	256	1.6	7	0.39	1.7	2.6	1.7	34.6
	307.975	200.025	146.05	2.3	9.7	1280	2150	EE450601/451215D	1	199	289	2.3	9.7	0.33	2.1	3.1	2	60.1
	307.975	200.025	155.575	2.3	9.7	1510	2380	HH234048/HH234011D	1	197	294	2.3	9.7	0.33	2.1	3.1	2	59.3
153.988	244.475	107.95	79.375	1.6	3.6	552	989	81606/81963D	1	166.2	226.5	1.6	3.6	0.35	1.93	2.88	1.89	16
158.75	225.425	85.725	69.85	0.8	3.6	410	1080	46780/46720D	1	183	219	0.8	3.6	0.38	1.8	2.6	1.7	11.1
	288.925	142.875	111.125	1.6	7	1050	1870	158KBE2851	1	201	278	1.6	7	0.32	2.1	3.2	2.1	37.3
	304.8	147.838	98.425	1.6	7	939	1600	EE280626/281201D	1	176.6	281.2	1.6	7	0.36	1.87	2.79	1.83	43
159.951	244.475	107.95	79.375	1.6	3.6	570	1020	81629/81963D	1	182	235	1.6	3.6	0.35	1.9	2.9	1.9	15.1
160.325	288.925	142.875	111.125	1.6	7	1050	1870	HM237532/HM237510D	1	202	278	1.6	7	0.32	2.1	3.2	2.1	36.8
	288.925	146.05	114.3	1.6	7	1080	190	HM237532/HM237511XD	1	179.5	270.2	1.6	7	0.32	2.12	3.15	2.07	37.9
161.925	374.65	184.15	130.175	1.6	7	1460	2180	EE117063/117148D	1	217	355	1.6	7	0.71	0.96	1.4	0.93	89.3
165.1	215.9	58.74	47.625	0.8	1.5	263	590	L433749/L433710D	1	180	210	0.8	1.5	0.36	1.9	2.8	1.8	5.3
	225.425	85.725	69.85	0.8	8	470	1121	46790/46720D	1	186	219	0.8	8	0.37	1.8	2.7	1.8	10

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW







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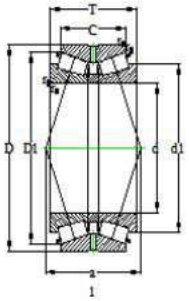
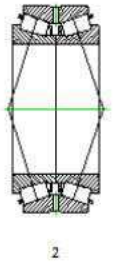
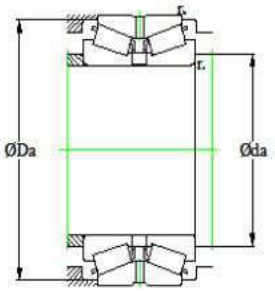
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
165.1	225.425	85.725	69.85	0.8	3.6	442	1140	46790R/46720D	1	177.3	215	0.8	3.6	0.38	1.76	2.62	1.72	9.64
	247.65	103.188	84.138	0.8	3.6	595	1410	67780/67720D	1	194	241	0.8	3.6	0.44	1.5	2.3	1.5	17.2
	247.65	106.362	87.312	0.8	3.6	593	1400	67780/67721D	1	177.3	237.6	0.8	3.6	0.44	1.54	2.29	1.5	17.4
	254	101.6	76.2	1.6	4.8	635	1190	M235145/M235113D	1	191	244	1.6	4.8	0.32	2.1	3.2	2.1	16.4
	288.925	142.875	111.125	1.6	7	1050	1870	HM237535/HM237510D	1	204	278	1.6	7	0.32	2.1	3.2	2.1	35.4
	288.925	142.875	111.125	1.6	7	1111	2166	94649/94114D	1	206	277	1.6	7	0.46	1.5	2.2	1.4	38
	288.925	142.875	111.125	1.6	3.6	1080	1950	HM237536NA/HM237510D	1	177.3	270.2	1.6	3.6	0.32	2.12	3.15	2.07	36.1
	288.925	142.875	111.125	1.6	3.6	943	1920	94650/94114D	1	177.3	269.8	1.6	3.6	0.47	1.44	2.15	1.41	37.8
	288.925	146.05	114.3	1.6	7	1050	1870	HM237535/HM237511D	1	204	278	1.6	7	0.32	2.1	3.2	2.1	36
	298.45	142.875	111.125	1.6	7	943	1920	94649/94118D	1	184.3	269.8	1.6	7	0.47	1.44	2.15	1.41	41.5
	298.45	142.875	111.125	1.6	3.6	943	1920	94650/94118D	1	177.3	269.8	1.6	3.6	0.47	1.44	2.15	1.41	41.6
	347.662	146.05	107.95	1.6	9.7	1310	2010	EE618065/618136D	1	214	326	1.6	9.7	0.33	2	3	2	58.7
	368.3	193.675	136.525	1.6	9.7	1500	2690	EE420651/421451D	1	234	353	1.6	9.7	0.42	1.6	2.4	1.6	93
165.496	225.425	95.25	69.85	0.8	3.6	442	1140	46790R/46720D	1	177.7	215	0.8	3.6	0.38	1.76	2.62	1.72	10.3
166.688	225.425	85.725	69.85	0.8	3.6	442	1140	46792R/46720D	1	178.9	215	0.8	3.6	0.38	1.76	2.62	1.72	9.37
168.275	247.65	103.188	84.138	0.8	3.6	595	1410	67782/67720D	1	195	241	0.8	3.6	0.44	1.5	2.3	1.5	16.5
	247.65	106.362	87.312	0.8	3.6	593	1400	67782/67721D	1	180.5	237.6	0.8	3.6	0.44	1.54	2.29	1.5	16.7
170	254	101.6	76.2	1.6	4.8	635	1190	M235149/M235113D	1	194	244	1.6	4.8	0.32	2.1	3.2	2.1	15.4
171.45	288.925	142.875	111.125	1.6	7	943	1920	94675/94114D	1	190.7	269.8	1.6	7	0.47	1.44	2.15	1.41	35.9
	298.45	142.875	111.125	1.6	7	943	1920	94675/94118D	1	190.7	269.8	1.6	7	0.47	1.44	2.15	1.41	39.6
174.625	247.65	103.188	84.138	0.8	3.6	595	1410	67787/67720D	1	199	241	0.8	3.6	0.44	1.5	2.3	1.5	15.1
	247.65	103.188	84.138	0.8	7.9	593	1400	67786/67720D	1	195.4	237.6	0.8	7.9	0.44	1.54	2.29	1.5	14.8
	247.65	106.362	87.312	0.8	7.9	593	1400	67786/67721D	1	195.4	237.6	0.8	7.9	0.44	1.54	2.29	1.5	15.2
	247.65	106.362	87.312	0.8	3.6	593	1400	67787/67721D	1	186.8	237.6	0.8	3.6	0.44	1.54	2.29	1.5	15.3
	288.925	142.875	111.125	0.8	3.6	940	1900	94687/94114D	1	204	272	0.8	3.6	0.47	1.44	2.15	1.41	33.1
	288.925	142.875	111.125	1.6	7	1080	1950	HM237542/HM237510D	1	193.8	270.2	1.6	7	0.32	2.12	3.15	2.07	33.1

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW







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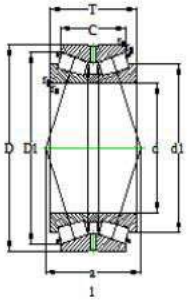
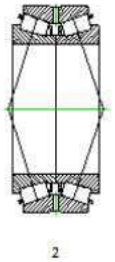
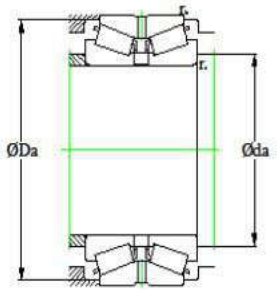
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
174.625	288.925	142.875	111.125	1.6	7	943	1920	94687/94114D	1	193.8	269.8	1.6	7	0.47	1.44	2.15	1.41	34.9
	288.925	146.05	114.3	1.6	7	1050	1870	HM237542/HM237511D	1	209	278	1.6	7	0.32	2.1	3.2	2.1	33.1
	298.45	142.875	111.125	1.6	7	943	1920	94687/94118D	1	193.8	269.8	1.6	7	0.47	1.44	2.15	1.41	38.7
177.8	227.012	66.672	52.388	0.8	1.5	299	785	36990/36920D	1	193	222	0.8	1.5	0.44	1.5	2.3	1.5	6.4
	247.65	103.188	84.138	0.8	3.6	595	1410	67790/67720D	1	200	241	0.8	3.6	0.44	1.5	2.3	1.5	14.4
	247.65	103.188	84.138	0.8	10.4	595	1410	67991/67720D	1	207	241	0.8	10.4	0.44	1.5	2.3	1.5	14.2
	247.65	106.362	87.312	0.8	3.6	593	1400	67790/67721D	1	190	237.6	0.8	3.6	0.44	1.54	2.29	1.5	14.6
	247.65	106.362	87.312	0.8	10.4	593	1400	67791/67721D	1	203.6	237.6	0.8	10.4	0.44	1.54	2.29	1.5	14.4
	269.875	119.062	93.662	1.6	3.6	836	1805	M238840/M238810D	1	208	262	1.6	3.6	0.33	2	3	2	23
	282.575	107.95	79.375	1.6	3.6	702	1450	87700/87112D	1	190	266.3	1.6	3.6	0.42	1.62	2.42	1.59	23.8
	285.75	136.525	92.075	1.6	6.4	775	1450	EE91702/91113XD	1	210	274	1.6	6.4	0.43	1.6	2.3	1.5	28.7
	288.925	142.875	111.125	1.6	7	1050	1870	HM237545/HM237509D	1	210	278	1.6	7	0.32	2.1	3.2	2.1	31.7
	288.925	142.875	111.125	1.6	7	930	1880	94700/94114D	1	213	277	1.6	7	0.47	1.4	2.1	1.4	33.6
	288.925	142.875	111.125	1.6	5.6	1080	1950	HM237545NA/HM237510	1	194	270.2	1.6	5.6	0.32	2.12	3.15	2.07	32.2
	288.925	142.875	111.125	1.6	5.6	1050	1870	D HM237545NA/HM237510	2	209	278	1.6	5.6	0.32	2.1	3.2	2.1	31.9
	288.925	146.05	114.3	1.6	7	1050	1870	HM237545/HM237511D	1	210	278	1.6	7	0.32	2.1	3.2	2.1	32.2
	298.45	142.875	111.125	1.6	7	930	1880	94700/94118D	1	213	282	1.6	7	0.47	1.4	2.1	1.4	37.5
	304.8	147.838	98.425	1.6	6.4	939	1600	EE280702/281201D	1	195.6	281.2	1.6	6.4	0.36	1.87	2.79	1.83	37.2
	320.675	185.738	138.112	1.6	3.6	1470	2530	H239640/H239612D	1	215	309	1.6	3.6	0.32	2.1	3.2	2.1	55.6
	320.675	185.738	138.112	1.6	3.6	1270	2420	177KBE3251	1	218	309	1.6	3.6	0.49	1.4	2.1	1.4	58.9
	320.675	185.738	138.112	1.6	3.6	1280	2450	EE222070/222127D	1	190	297.9	1.6	3.6	0.4	1.68	2.5	1.64	59
	368.3	193.675	136.525	1.6	12.7	1500	2690	EE420701/421451D	1	243	353	1.6	12.7	0.42	1.6	2.4	1.6	87.6
179.972	317.5	146.05	111.125	1.6	3.6	990	2120	93708/93127D	1	224	306	1.6	3.6	0.52	1.3	1.9	1.3	46.9
	319.976	146.05	111.125	1.6	3.6	990	2120	93708/93128XD	1	224	307	1.6	3.6	0.52	1.3	1.9	1.3	49.1
184.15	236.538	55.56	41.275	0.8	1.5	265	580	LL537649/LL537610D	1	199	230	0.8	1.5	0.37	1.8	2.7	1.8	5.5
	242.888	95.25	69.85	0.8	3.6	425	1200	LM637349NW/LM637310 D	2	199	236	0.8	3.6	0.42	1.6	2.4	1.6	11.5
	266.7	103.188	84.138	0.8	3.6	590	1440	67883/67820D	1	212	260	0.8	3.6	0.48	1.4	2.1	1.4	18.4

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW





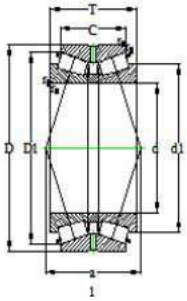


1 2 3

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
187.325	266.7	103.188	84.138	0.8	3.6	614	1520	67884/67820D	1	199.5	256.5	0.8	3.6	0.48	1.41	2.11	1.38	18
	269.875	119.062	93.662	1.6	3.6	704	1610	M238849/M238810D	1	199.5	255	1.6	3.6	0.33	2.03	3.02	1.98	20.4
	282.575	107.95	79.375	1.6	3.6	702	1450	87737/87112D	1	199.5	266.3	1.6	3.6	0.42	1.62	2.42	1.59	21.4
	320.675	185.738	138.112	1.6	5.6	1470	2530	H239649/H239612D	1	222	309	1.6	5.6	0.32	2.1	3.2	2.1	51.6
	320.675	185.738	138.112	1.6	5.6	1280	2450	222075/222127D	1	203.5	297.9	1.6	5.6	0.4	1.68	2.5	1.64	55
	320.675	185.738	138.112	1.6	5.6	1470	2530	H239649NA/H239612D	2	222	309	1.6	5.6	0.32	2.1	3.2	2.1	51.8
190.5	266.7	103.188	84.138	0.8	3.6	590	1440	67885/67820D	1	215	260	0.8	3.6	0.48	1.4	2.1	1.4	16.9
	282.575	107.95	79.375	1.6	3.6	615	1200	87750/87112D	1	217	273	1.6	3.6	0.42	1.6	2.4	1.6	20.2
	317.5	146.05	111.125	1.6	4.3	990	2120	93750/93127D	1	231	306	1.6	4.3	0.52	1.3	1.9	1.3	43.7
	319.977	146.05	111.125	1.6	4.3	1040	2270	93750/93128XD	1	204.1	294.5	1.6	4.3	0.52	1.29	1.92	1.26	44.8
	368.3	193.675	136.525	1.6	6.4	1610	2920	EE420751/421451D	1	208.3	334	1.6	6.4	0.4	1.68	2.5	1.64	85.2
192.088	266.7	103.188	84.138	0.8	10.4	614	1520	67887/67820D	1	217.9	256.5	0.8	10.4	0.48	1.41	2.11	1.38	16.6
193.675	282.575	107.95	79.375	1.6	3.6	702	1450	87762/87112D	1	205.9	266.3	1.6	3.6	0.42	1.62	2.42	1.59	19.8
196.85	254	61.91	47.625	0.8	1.5	305	715	L540049/L540010D	1	213	247	0.8	1.5	0.4	1.7	2.5	1.7	7.4
	257.175	85.725	66.675	0.8	3.6	459	1260	LM739749/LM739710D	1	209.1	247	0.8	3.6	0.45	1.51	2.25	1.48	11.2
	317.5	146.05	111.125	1.6	4.3	990	2120	93775/93127D	1	234	306	1.6	4.3	0.52	1.3	1.9	1.3	41.5
	319.977	146.05	111.125	1.6	4.3	1040	2270	93775/93128XD	1	210.5	294.5	1.6	4.3	0.52	1.29	1.92	1.26	42.6
200.025	292.1	125.415	101.6	1.6	4.3	915	2070	M241543/M241510D	1	219	279	1.6	4.3	0.33	1.03	3.02	1.98	24.8
	317.5	146.05	111.125	1.6	4.3	1040	2270	93787/93127D	1	214.6	294.5	1.6	4.3	0.52	1.29	1.92	1.26	40.5
	319.977	146.05	111.125	1.6	4.3	1040	2270	93787/93128XD	1	214.6	294.5	1.6	4.3	0.52	1.29	1.92	1.26	41.5
	333.375	149.225	114.3	1.6	6.4	1210	240	HM743337/HM743310D	1	218.8	315.5	1.6	6.4	0.44	1.54	2.29	1.5	49.4
	355.6	152.4	111.125	1.6	6.4	1190	2470	EE130787/131401D	1	250	340	1.6	6.4	0.33	3	0.33	2	60.3
	355.6	158.75	117.475	0.8	6.8	1190	2470	EE130787/131402D	1	250	341	0.8	6.8	0.33	3	0.33	2	62.4
	384.175	238.125	193.675	1.6	6.4	2090	4450	H247535/H247510D	1	258	369	1.6	6.4	0.33	3	0.33	2	122
	317.5	146.05	111.125	1.6	4.3	1110	2280	93787/93127D	1	225	300	1.6	4.3	0.52	1.3	1.9	1.3	41.5
201.612	368.3	193.675	136.525	1.6	4.3	1500	2690	EE420793/421451D	1	246	353	1.6	4.3	0.42	2.4	0.42	1.6	77.2

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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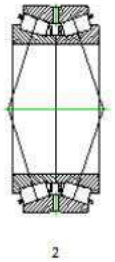

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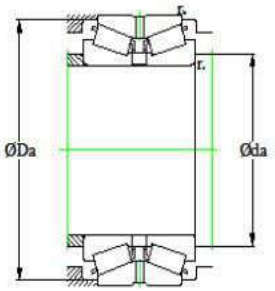
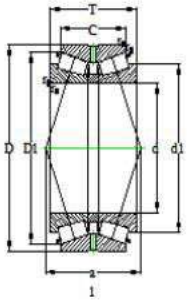
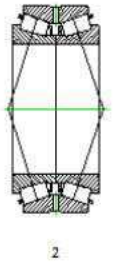


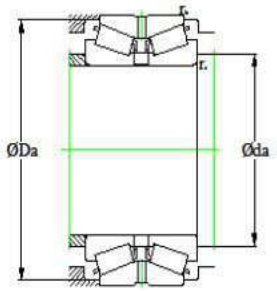
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
203.2	276.225	90.485	73.025	0.8	3.6	580	1240	LM241149/LM241110D	1	224	269	0.8	3.6	0.32	3.2	0.32	2.1	13.9
	276.225	95.25	73.025	0.8	3.6	580	1240	LM241149NW/LM241110	2	226	269	0.8	3.6	0.32	2.1	3.2	2.1	14.7
	282.575	101.6	82.55	0.8	3.6	598	1410	D 67983/67920D	1	216.4	271.5	0.8	3.6	0.51	1.33	1.97	1.3	18.3
	282.575	107.95	88.9	0.8	3.6	598	1410	67983/67921D	1	216.4	271.5	0.8	3.6	0.51	1.33	1.97	1.3	19.3
	292.1	125.415	101.6	1.6	3.6	930	2100	M241547/M241510D	1	229	283	1.6	3.6	0.33	3	0.33	2	25.7
	317.5	120.65	88.9	1.6	6.4	753	1450	132083/132126D	1	222	292.3	1.6	6.4	0.31	2.15	3.21	2.11	30.9
	317.5	127	88.9	1.6	4	790	1450	EE132083/132126D	1	232	302	1.6	4	0.31	3.2	0.31	2.1	30.6
	317.5	146.05	111.125	1.6	4	990	2120	93800/93127D	1	237	306	1.6	4	0.52	1.9	0.52	1.3	39
	317.5	146.05	111.125	1.6	7.9	1040	2270	93800A/93127D	1	225	294.5	1.6	7.9	0.52	1.29	1.92	1.26	39.2
	319.976	146.05	111.125	1.6	4.3	990	2120	93800/93128D	1	237	307	1.6	4.3	0.52	1.9	0.52	1.3	40.5
	368.3	193.675	136.525	1.6	3.2	1500	2690	EE420801/421451D	1	246	353	1.6	3.2	0.42	2.4	0.42	1.6	76.4
	371.475	193.675	136.525	1.6	3.2	1610	2920	EE420801/421462XD	1	215.6	334	1.6	3.2	0.4	1.68	2.5	1.64	81.3
	406.4	196.85	127	3.2	6.4	1600	2610	EE114080/114161D	1	260	386	3.2	6.4	0.79	0.85	1.3	0.83	102
203.238	406.4	196.85	127	3.2	6.4	1630	2920	EE114081/114161D	1	222	367.5	3.2	6.4	0.79	0.85	1.27	0.83	105
	292.1	125.415	101.6	1.6	3.6	934	2050	M241549/M241510D	1	218	277.7	1.6	3.6	0.33	2.03	3.02	1.98	24.4
	317.5	146.05	111.125	1.6	4.3	1040	2270	93806A/93127D	1	219.4	294.5	1.6	4.3	0.52	1.29	1.92	1.26	38.8
	319.977	146.05	111.125	1.6	4.3	1040	2270	93806A/93128XD	1	219.4	294.5	1.6	4.3	0.52	1.29	1.92	1.26	39.8
206.375																		
	282.575	101.6	82.55	0.8	3.6	630	1600	67985/67920D	1	231	276.8		3.6	0.51	2	0.51	1.3	18.2
	282.575	107.95	88.9	0.8	3.6	598	1410	67985/67921D	1	219.6	271.5	0.8	3.6	0.51	1.33	1.97	1.3	18.4
	317.5	127	88.9	1.6	4	790	1450	EE132084/132126D	1	234	302	1.6	4	0.31	3.2	0.31	2.1	29.6
	336.55	211.138	169.862	1.6	3.2	2014	4085	H242649/H242610D	1	242	325	1.6	3.2	0.33	2	3	2	70
209.55																		
	282.575	101.6	82.55	0.8	3.6	598	1410	67989/67920D	1	222.8	271.5	0.8	3.6	0.51	1.33	1.97	1.3	16.7
	317.5	146.05	111.125	1.6	4.3	990	2120	93825/93127D	1	240	306	1.6	4.3	0.52	1.3	1.9	1.3	37.1
	317.5	146.05	111.125	1.6	12.7	1040	2270	93825A/93127D	1	241	294.5	1.6	12.7	0.52	1.29	1.92	1.26	36.7
	333.375	149.225	114.3	1.6	6.4	1180	2380	HM743345/HM743310D	1	247	322	1.6	6.4	0.44	1.5	2.3	1.5	45.3
	355.6	152.4	111.125	1.6	7.1	1130	2630	96825/96140D	1	229.8	331.4	1.6	7.1	0.59	1.14	1.7	1.12	60

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW







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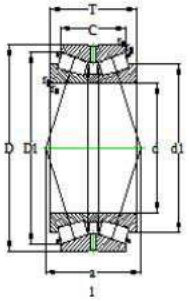
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
212.725	285.75	98.425	76.2	0.8	3.6	600	1510	LM742745/LM742710D	1	237	280	0.8	3.6	0.48	1.4	2.1	1.4	16.8
	288.925	98.425	76.2	0.8	3.6	611	1560	LM742745/LM742714D	1	225.9	276.4	0.8	3.6	0.48	1.4	2.09	1.37	17.6
215.9	285.75	98.425	76.2	0.8	3.6	611	1560	LM742749/LM742710D	1	229.1	276.4	0.8	3.6	0.48	1.4	2.09	1.37	15.9
	287.338	69.85	50.8	0.8	3.6	396	945	543085/543115D	1	229.1	272.4	0.8	3.6	0.38	1.76	2.62	1.72	11.4
	288.925	98.425	76.2	0.8	3.6	611	1560	LM742749/LM742714D	1	229.1	276.4	0.8	3.6	0.48	1.4	2.09	1.37	16.8
	355.6	152.4	111.125	1.6	6.8	1250	2610	EE130851/131401D	1	235.3	330	1.6	6.8	0.33	2.04	3.04	2	55.7
	355.6	158.75	117.475	0.8	6.8	1250	2610	EE130851/131402D	1	235.3	330	0.8	6.8	0.33	2.04	3.04	2	57.6
	406.4	195.262	147.638	1.6	6.4	2040	3600	EE820085/820161D	1	267	389	1.6	6.4	0.39	1.7	2.5	1.7	101
219.075	358.775	196.85	181.44	1.6	6.4	1660	3590	543086/543115D	1	237.9	337.2	1.6	6.4	0.33	2.03	3.02	1.98	78.3
219.969	287.338	69.85	50.8	0.8	3.6	396	94	543086/543115D	1	233.2	272.4	0.8	3.6	0.38	1.76	2.62	1.72	10.6
220.662	314.325	131.762	106.362	1.6	6.4	1020	2390	M244249/M244210D	1	250	305	1.6	6.4	0.33	2	3	2	30.9
225.425	355.6	152.4	111.125	1.6	6.8	1190	2470	EE130889/131401D	1	263	340	1.6	6.8	0.33	2	3	2	50.2
	355.6	158.75	117.475	0.8	6.7	1250	2610	EE130889/131402D	1	244.8	330	0.8	6.7	0.33	2.04	3.04	2	53.6
	400.05	187.325	136.525	1.6	1.5	1620	3000	EE430888/431576D	1	266	379	1.6	1.5	0.44	1.5	2.3	1.5	88
228.397	431.8	196.85	111.125	3.2	6.4	1520	2640	EE113089/113171D	1	287	410	3.2	6.4	0.88	0.77	1.1	0.75	105
228.46	431.8	196.85	111.125	3.2	6.4	1700	2890	EE113091/113171D	1	247.3	396.8	3.2	6.4	0.88	0.76	1.14	0.75	111
228.6	327.025	114.3	82.55	1.6	6.4	800	2014	8573/8520D	1	261	316.6		6.4	0.4	1.7	2.5	1.6	30
	328.625	114.3	82.55	1.6	6.4	802	1860	8573/8522D	1	247.4	309.8	1.6	6.4	0.41	1.66	2.47	1.62	28.8
	355.6	146.05	111.125	1.6	6.4	1250	2610	130902/131401D	1	247.4	330	1.6	6.4	0.33	2.04	3.04	2	49.4
	355.6	152.4	111.125	1.6	7	1190	2470	EE130902/131401D	1	265	340	1.6	7	0.33	2	3	2	48.8
	355.6	152.4	111.125	1.6	7	1030	2340	96900/96140D	1	270	342	1.6	7	0.59	1.1	1.7	1.1	51
	355.6	152.4	114.3	1.6	6.4	1310	2590	HM746646/HM746610D	1	266	345	1.6	6.4	0.47	1.4	2.1	1.4	49.1
	355.6	152.4	111.125	1.6	7	1250	2610	EE130902/131401D	1	248	330	1.6	7	0.33	2.04	3.04	2	50.4
228.6	355.6	152.4	111.125	1.6	7	1130	2630	96900/96140D	1	248.8	331.4	1.6	7	0.59	1.14	1.7	1.12	52.3

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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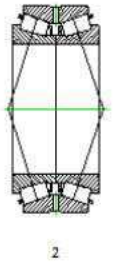

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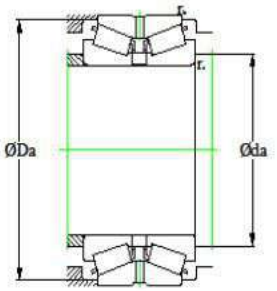
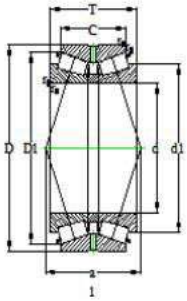


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
228.6	355.6	158.75	117.475	0.8	6.8	1190	2470	EE130902/131402D	1	265	341	0.8	6.8	0.33	2	3	2	50.4
	358.775	152.4	117.475	1.6	3.6	1463	3372	M249732/M249710D	1	256	343	1.6	3.6	0.33	2	3	2	57
	400.05	17.325	136.525	1.6	19.8	1690	3210	EE430902/431576D	1	274.2	363.1	1.6	19.8	0.44	1.54	2.29	1.5	86.7
	400.05	187.325	136.525	1.6	10.4	1620	3000	EE430900/431576D	1	277	379	1.6	10.4	0.44	1.5	2.3	1.5	86.1
	425.45	209.55	158.75	1.6	7	2200	4000	EE700091/700168D	1	281	406	1.6	7	0.33	2	3	2	118
	488.95	254	152.4	1.6	6.4	2774	4275	HH949549/HH949510D	1	307	470	1.6	6.4	0.94	0.7	1.1	0.7	205
231.775	358.775	152.4	117.475	1.6	6.4	1330	3170	M249734/M249710D	1	250.6	342.1	1.6	6.4	0.33	2.03	3.02	1.98	55
234.95	311.15	98.425	73.025	0.8	3.6	640	1610	LM446349/LM446310D	1	259	304	0.8	3.6	0.36	1.9	2.8	1.8	18.8
	311.15	101.6	73.025	0.8	3.6	640	1610	LM446349NW/LM446310	2	259	304	0.8	3.6	0.36	1.9	2.8	1.8	19.3
	327.025	114.3	82.55	1.6	6.4	805	1880	D 8575/8520D	1	264	316	1.6	6.4	0.41	1.7	2.5	1.6	26.1
	328.625	114.3	82.55	1.6	6.4	802	1860	8575/8522D	1	253.8	309.8	1.6	6.4	0.41	1.66	2.47	1.62	26.7
	355.6	152.4	111.125	1.6	7	1030	2340	96925/96140D	1	273	342	1.6	7	0.59	1.1	1.7	1.1	48.3
	384.175	238.125	193.675	1.6	6.4	2090	4450	H247549/H247510D	1	276	369	1.6	6.4	0.33	2	3	2	99.7
237.33	358.775	152.4	117.475	1.6	6.4	1330	3170	M249736/M249710D	1	256.1	342.1	1.6	6.4	0.33	2	3	2	52.6
241.3	327.025	114.3	82.55	1.6	6.4	805	1880	8578/8520D	1	267	316	1.6	6.4	0.41	1.7	2.5	1.6	23.9
	328.625	114.3	82.55	1.6	6.4	802	1860	8578/8522D	1	260.1	309.8	1.6	6.4	0.41	1.66	2.47	1.62	24.6
	349.148	127	101.6	1.6	6.4	950	2050	EE127095/127136D	1	260.1	329.6	1.6	6.4	0.35	1.91	2.84	1.86	36.4
	350.838	127	101.6	1.6	6.4	980	2130	EE127095/127137D	1	274	338	1.6	6.4	0.35	1.9	2.8	1.9	36.9
	355.498	127	101.6	1.6	6.4	980	2130	EE127095/127139D	1	274	341	1.6	6.4	0.35	1.9	2.8	1.9	38.9
	368.3	120.65	85.725	1.6	6.4	870	1850	EE170950/171451D	1	260.1	335.8	1.6	6.4	0.36	1.86	2.77	1.82	41.7
	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275095/275156D	1	293	382	1.6	6.4	0.4	1.7	2.5	1.6	68
	406.4	155.58	107.95	1.6	6.4	1200	2570	EE275095/275161D	1	293	389	1.6	6.4	0.4	1.7	2.5	1.6	74.2
	406.4	215.9	184.15	1.6	6.4	2220	4450	H249148/H249111D	1	287	392	1.6	6.4	0.33	2	3	2	105
	444.5	209.55	158.75	1.6	6.4	2410	4500	EE923095/923176D	1	295	423	1.6	6.4	0.34	2	3	2	133
	488.95	254	196.85	1.6	6.4	2950	5700	EE295950/295192D	1	315	469	1.6	6.4	0.31	2.2	3.2	2.1	207

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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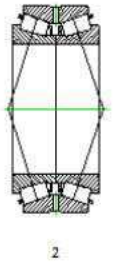

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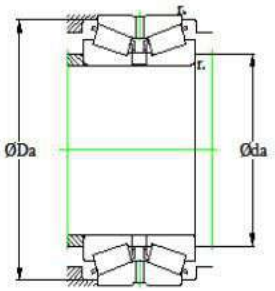
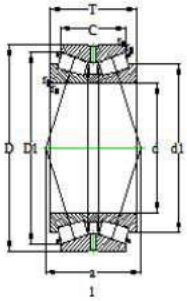


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
244.475	349.148	133.35	101.6	1.6	6.4	950	2050	EE127096/127136D	1	263.3	329.6	1.6	6.4	0.35	1.91	2.84	1.86	36.3
	380.898	171.45	127	1.6	6.4	1350	2930	EE126097/126149D	1	263.3	356.4	1.6	6.4	0.52	1.31	1.95	1.28	65.9
	381	171.45	127	1.6	6.4	1410	3100	EE126097/126151D	1	286	367	1.6	6.4	0.52	1.3	1.9	1.3	65.1
247.65	368.3	120.65	85.725	1.6	6.4	870	1850	EE170975/171451D	1	266.5	335.8	1.6	6.4	0.36	1.86	2.77	1.82	39.4
	406.4	247.65	203.2	1.6	6.4	2770	6250	HH249949/HH249910D	1	266.5	382.5	1.6	6.4	0.33	2.03	3.02	1.98	123
249.25	380.898	171.45	127	1.6	6.4	1350	2930	EE126098/126149D	1	268.1	356.4	1.6	6.4	0.52	1.31	1.95	1.28	63.5
	381	171.45	127	1.6	6.4	1410	3100	EE126098/126151D	1	288	367	1.6	6.4	0.52	1.3	1.9	1.3	62.6
254	323.85	63.5	50.8	0.8	1.5	263	760	29875/29820D	1	276	315	0.8	1.5	0.35	1.9	2.9	1.9	12.4
	347.662	95.25	69.85	1.6	3.6	755	1610	LM249748/LM249710D	1	278	336	1.6	3.6	0.33	2	3	2	23.1
	347.662	101.6	69.85	1.6	3.6	780	1760	LM249747NW/LM249710D	2	285	338	1.6	3.6	0.33	2	3	2	25.3
	358.775	152.4	117.475	1.6	3.6	1300	3100	M249749/M249710D	1	284	348	1.6	3.6	0.33	2	3	2	44.6
	365.125	130.175	98.425	1.6	6.4	990	2200	EE134100/134144D	1	289	354	1.6	6.4	0.37	1.8	2.7	1.8	39.8
	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275100/275156D	1	299	382	1.6	6.4	0.4	1.7	2.5	1.6	61.9
	406.4	155.575	107.95	1.6	6.4	1270	3090	EE275100/275161D	1	272.8	377.8	1.6	6.4	0.4	1.68	2.5	1.64	73.4
	422.275	173.038	128.588	1.6	6.8	1950	3700	HM252343/HM252311D	1	301	408	1.6	6.8	0.33	2	3	2	86.6
	422.275	173.038	128.588	1.6	1.6	1730	3360	HM252349NA/HM252311D	1	263.2	397.9	1.6	1.6	0.33	2.03	3.02	1.98	87.3
	422.275	173.038	128.588	1.6	6.4	1950	3700	HM252344/HM252311D	2	301	408	1.6	6.4	0.33	2	3	2	86.8
	422.275	178.592	139.7	1.6	6.8	2128	3847	HM252343/HM252310D	1	301	408	1.6	6.8	0.33	2	3	2	97.5
	422.91	178.592	139.7	1.6	6.8	1730	3360	HM252343/HM252312D	1	273.4	399.1	1.6	6.8	0.33	2.03	3.02	1.98	90.3
	431.724	173.038	128.588	1.6	6.8	1730	3360	HM252343/HM252315D	1	273.4	397.9	1.6	6.8	0.33	2.03	3.02	1.98	93.3
	431.724	173.038	128.588	1.6	6.4	1680	3420	551002/551701D	1	272.8	388.3	1.6	6.4	0.33	2.03	3.02	1.98	93
	431.724	173.038	128.588	1.6	6.4	1950	3700	HM252343NA/HM252315D	2	301	413	1.6	6.4	0.33	2	3	2	93.4
	444.5	165.1	114.3	1.6	6.4	1470	2770	EE822100/822176D	1	272.8	406.2	1.6	6.4	0.42	1.62	2.42	1.59	93.9
	495.3	162.245	120.65	1.6	6.4	1750	3220	EE941002/941951XD	1	272.8	455.7	1.6	6.4	0.4	1.68	2.5	1.64	135
	495.3	168.595	127	1.6	6.4	1750	3220	EE941002/941953D	1	272.8	455.7	1.6	6.4	0.4	1.68	2.5	1.64	139
	533.4	276.225	165.1	1.6	6.4	3296	5225	HH953749/HH953710D	1	332	511	1.6	6.4	0.94	0.7	1.1	0.7	260
258.763	400.05	155.575	107.95	1.6	9.5	1300	2570	EE221018/221576D	1	283.8	371.2	1.6	9.5	0.39	1.71	2.54	1.67	59.2

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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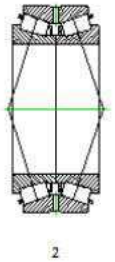

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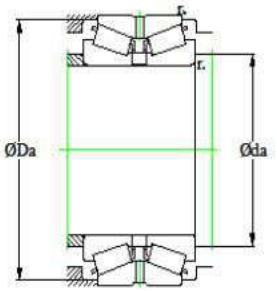
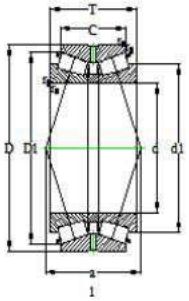


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
260.35	365.125	130.175	98.425	1.6	6.4	990	2200	EE134102/134144D	1	293	354	1.6	6.4	0.37	1.8	2.7	1.8	37.2
	400.05	146.05	107.95	1.6	6.4	1300	2570	221026/221576D	1	279.2	371.2	1.6	6.4	0.39	1.71	2.54	1.67	56.7
	400.05	155.575	107.95	1.6	9.7	1260	2440	EE221026/221576D	1	300	383	1.6	9.7	0.39	1.7	2.5	1.7	58.3
	406.4	149.225	117.475	1.6	3.2	1290	2870	EE128102/128160D	1	302	391	1.6	3.2	0.39	1.8	2.6	1.7	66.8
	419.1	184.15	136.525	1.6	3.2	1580	3250	EE435102/435165D	1	295	395	1.6	3.2	0.61	1.11	1.66	1.09	86.8
	422.275	173.038	128.588	1.6	6.8	1950	3700	HM252349/HM252311D	1	304	408	1.6	6.8	0.33	2	3	2	83.1
	422.275	178.592	139.7	1.6	6.8	2128	3847	HM252349/HM252310D	1	304	408	1.6	6.8	0.33	2	3	2	86.5
	422.275	178.598	139.7	1.6	6.8	1670	3200	EE551026/551663D	1	302	404	1.6	6.8	0.33	2	3	2	85.3
	422.91	178.592	139.7	1.6	6.8	1730	3360	HM252349/HM252312D	1	279.8	399.1	1.6	6.8	0.33	2.03	3.02	1.98	86.7
	431.724	173.038	128.588	1.6	6.8	1730	3360	HM252349/HM252315D	1	279.8	397.9	1.6	6.8	0.33	2.03	3.02	1.98	89.9
	431.724	173.038	128.588	1.6	6.4	1950	3700	HM252349NA/HM252315	2	304	413	1.6	6.4	0.33	2	3	2	89.9
	488.95	254	196.85	1.6	6.4	2950	5700	D	1	325	469	1.6	6.4	0.31	2.2	3.2	2.1	193
	731.724	173.038	128.588	1.6	6.4	1730	3360	EE295102/295192D	1	279.2	397.9	1.6	6.4	0.33	2.03	3.02	1.98	90
263.525	355.6	127	101.6	1.6	3.6	1040	2550	HM252348NA/HM252315 DM451345/LM451310D	1	276.7	342.6	1.6	3.6	0.36	1.87	2.79	1.83	33.1
	357.2	127	101.6	1.6	3.6	1040	2550	LM451345/LM451312D	1	276.7	342.6	1.6	3.6	0.36	1.87	2.79	1.83	33.8
266.7	323.85	63.5	50.8	0.8	1.6	252	723	29880/29820D	1	275.9	307.1	0.8	1.6	0.35	1.95	2.9	1.91	9.57
	352.425	107.95	82.55	1.6	6.4	855	2110	LM251649NW/LM251610	2	295	343	1.6	6.4	0.32	2.1	3.2	2.1	26.3
	355.6	127	101.6	1.6	3.6	1060	2520	D	1	292	348	1.6	3.6	0.36	1.9	2.8	1.8	31.2
	355.6	127	101.6	1.6	10.4	1040	2550	LM451349/LM451310D LM451349A/LM451310D	1	293.5	342.6	1.6	10.4	0.36	1.87	2.79	1.83	31.5
	357.2	127	101.6	1.6	3.6	1060	2520	LM451349/LM451312D	1	292	348	1.6	3.6	0.36	1.9	2.8	1.8	32
	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275105/275156D	1	306	382	1.6	6.4	0.4	1.7	2.5	1.6	56.6
	406.4	155.575	107.95	1.6	6.4	1200	2570	EE275105/275161D	1	306	389	1.6	6.4	0.4	1.7	2.5	1.6	62.8
	422.275	178.598	139.7	1.6	6.8	1670	3200	EE551050/551663D	1	306	404	1.6	6.8	0.33	2	3	2	81.6
	431.724	173.038	128.588	1.6	6.8	1670	3200	EE551050/551701D	1	306	408	1.6	6.8	0.33	2	3	2	84.9
269.875	381	158.75	123.825	1.6	6.4	1360	3200	M252349/M252310D	1	304	370	1.6	6.4	0.33	2	3	2	51.6
273.05	393.7	157.162	109.538	1.6	6.4	1200	2570	EE275108/275156D	1	309	382	1.6	6.4	0.4	1.7	2.5	1.6	53.3
	406.4	155.575	107.95	1.6	6.4	1270	3090	EE275108/275161D	1	291.9	377.8	1.6	6.4	0.4	1.68	2.5	1.64	63.8

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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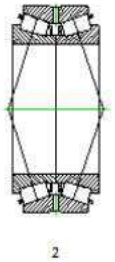

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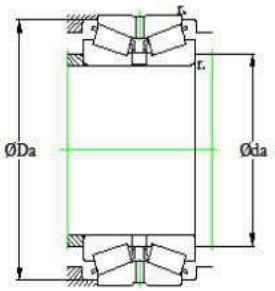
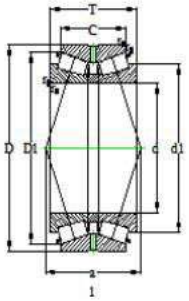


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
279.4	374.65	104.775	79.375	1.6	6.4	810	2020	L555233/L555210D	1	300	362	1.6	6.4	0.4	1.68	2.5	1.64	28.5
	469.9	200.025	149.225	1.6	9.7	2030	4150	EE722110/722186D	1	336	451	1.6	9.7	0.38	1.8	2.7	1.7	127
	488.95	254	196.85	1	1.3	2950	5700	EE295110/295192D	1	329	469	1	1.3	0.31	2.2	3.2	2.1	177
279.982	380.898	139.7	107.95	1.6	3.6	1140	2820	LM654642/LM654610D	1	293.2	370.2	1.6	3.6	0.43	1.57	2.34	1.53	42.7
280	406.4	149.225	117.475	1.6	6.4	1290	2870	EE128114/128160D	1	315	391	1.6	6.4	0.39	1.8	2.6	1.7	56.9
280.192	406.4	120.65	85.725	1.6	6.8	890	1740	EE101103/101601D	1	315	391	1.6	6.8	0.41	1.7	2.5	1.6	42.5
	406.4	149.225	117.475	1.6	6.8	1290	2870	EE128111/128160D	1	316	391	1.6	6.8	0.39	1.8	2.6	1.7	56.8
285.75	358.775	76.2	53.975	1.6	3.6	430	1150	545112/545142D	1	307	348	1.6	3.6	0.49	1.4	2	1.3	15.8
	380.898	139.7	107.95	1.6	3.6	1168	3040	LM654649/LM654610D	1	316	371	1.6	3.6	0.43	1.6	2.3	1.6	42
	469.9	177.785	127	1.6	9.7	1890	3600	EE921124/921851D	1	338	450	1.6	9.7	0.29	2.3	3.4	2.3	105
	476.25	177.785	127	1.6	9.7	1960	3460	EE921124/921876D	1	310.8	439.8	1.6	9.7	0.29	2.31	3.44	2.26	111
	501.65	203.2	120.65	3.2	6.4	2160	4100	EE147112/147198D	1	350	483	3.2	6.4	0.83	0.81	1.2	0.79	151
288.925	406.4	165.1	130.175	1.6	6.4	1843	4270	M255449/M255410DC	1	324	395	1.6	6.4	0.33	2	3	2	63
	406.4	165.1	130.175	1.6	9.5	1720	4420	M255448/M255410D	1	313.9	387.5	1.6	9.5	0.34	2	2.97	1.95	64.6
292.1	374.65	104.775	79.375	1.6	6.4	810	2020	L555249/L555210D	1	309	362.6		6.4	0.4	1.68	2.5	1.64	25.2
	469.9	200.025	149.225	1.6	9.5	2100	4370	EE722115/722186D	1	317.1	430.1	1.6	9.5	0.38	1.79	2.67	1.75	118
	520.7	228.6	165.1	1.6	6.4	2660	4900	EE224115/224205D	1	345	492	1.6	6.4	0.33	2.1	3.1	2	180
	558.8	298.45	222.25	1.6	6.4	4250	8200	EE790114/790223D	1	362	537	1.6	6.4	0.39	1.7	2.5	1.7	312
	558.8	298.45	222.25	1.6	19.8	4040	8000	EE790116/790223D	1	337.7	515	1.6	19.8	0.4	1.71	2.54	1.67	306
298.45	444.5	146.05	98.425	1.6	8	1170	2280	EE291175/291751D	1	339	427	1.6	8	0.38	1.8	2.7	1.7	63.9
299.974	495.3	301.625	247.65	1.6	8	4200	9800	HH258248/HH258210D	1	342	467	1.6	8	0.33	2.03	3.02	1.98	205
300.038	422.275	174.625	136.525	1.6	6.4	1950	4520	HM256849/HM256810D	1	337	411	1.6	6.4	0.33	2	3	2	71.5
300.787	438.048	161.925	123.825	1.6	6.4	1510	3450	329115/329173D	1	320.6	411.6	1.6	6.4	0.33	2.04	3.04	2	74.4

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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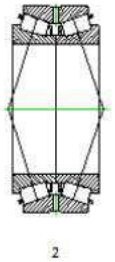

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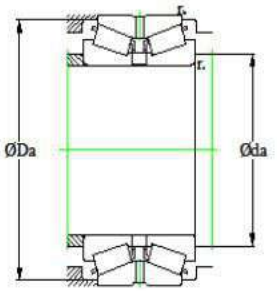
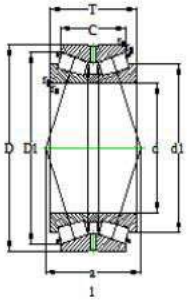


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
304.8	393.7	107.95	82.55	1.6	6.4	910	2280	L357049/L357010D	1	334	385	1.6	6.4	0.36	1.9	2.8	1.8	30
	393.7	107.95	82.55	1.6	6.4	910	2280	L357049NW/L357010D	2	335	385	1.6	6.4	0.36	1.9	2.8	1.8	30.2
	412.75	123.825	92.075	1.6	6.4	1090	2520	EE109120/109163D	1	337	401	1.6	6.4	0.43	1.6	2.4	1.6	42.1
	438.048	161.925	123.825	1.6	6.4	1510	3450	329120/329173D	1	324.6	411.6	1.6	6.4	0.33	2.04	3.04	2	72
	438.048	165.1	120.65	1.6	6.4	1380	3200	EE129120X/129120D	1	334	411	1.6	6.4	0.42	1.62	2.42	1.59	71.4
	444.5	139.7	98.425	1.6	6.4	1240	2760	291201/291751D	1	324.6	413.5	1.6	6.4	0.38	1.79	2.66	1.75	64.5
	444.5	146.05	98.425	1.6	8	1170	2280	EE291201/291751D	1	342	427	1.6	8	0.38	1.8	2.7	1.7	60.5
	495.3	162.245	120.65	1.6	6.4	1750	3220	EE941205/941951XD	1	324.6	455.7	1.6	6.4	0.4	1.68	2.5	1.64	107
	495.3	168.595	127	1.6	6.4	1840	3550	EE941205/941953D	1	352	471	1.6	6.4	0.4	1.7	2.5	1.7	111
304.8	495.3	195.85	146.05	1.6	16	2180	4680	EE724119/724196D	1	343.8	457.4	1.6	16	0.4	1.68	2.5	1.64	135
	495.3	196.85	146.05	1.6	16	2130	4300	EE724120/724196D	1	364	474	1.6	16	0.4	1.7	2.5	1.6	130
	558.8	298.45	222.25	1.2	1.6	4250	8200	EE790120/790223D	1	364	537	1.2	1.6	0.39	1.7	2.5	1.7	298
311.15	558.8	190.5	111.125	3.2	9.7	2140	4250	EE148122/148221D	1	377	521	3.2	9.7	0.88	0.77	1.1	0.75	173
317.5	444.5	146.05	98.425	1.6	8	1170	2280	EE291250/291751D	1	349	427	1.6	8	0.38	1.8	2.7	1.7	53.4
	447.675	180.975	146.05	1.6	3.6	2210	5130	HM259049/HM259010D	1	353	435	1.6	3.6	0.33	2	3	2	84
	622.3	304.8	174.625	3.2	14.3	3900	7550	H961649/H961610D	1	414	597	3.2	14.3	0.94	0.72	1.1	0.7	386
329.87	533.4	165.1	114.3	1.6	4.7	1810	3600	EE971298/972102D	1	383	510	1.6	4.7	0.33	2	3	2	125
	533.4	174.635	123.825	1.6	4.7	1810	3600	EE971298/972103D	1	383	510	1.6	4.7	0.33	2	3	2	130
	546.1	177.8	152.4	3.2	4.7	1810	3600	EE971298/972151D	1	383	517	3.2	4.7	0.33	2	3	2	151
330.2	482.6	133.35	88.9	1.6	7	1210	2840	EE161300/161901	1	377	465.6		7	0.5	1.4	2	1.3	73.6
	482.6	133.35	88.9	1.6	7	1050	2500	EE161300/161901D	1	351.4	453.4	1.6	7	0.5	1.35	2.01	1.32	74.8
	482.6	177.8	127	1.6	3.2	2130	4750	EE526130/526191D	1	370	465	1.6	3.2	0.4	1.7	2.5	1.6	100
333.375	469.9	190.5	152.4	1.6	6.4	2340	5400	HM261049/HM261010D	1	375	457	1.6	6.4	0.33	2	3	2	98
342.9	457.098	142.875	101.6	1.6	3.2	1170	3050	LM961548/LM961511D	1	378	444	1.6	3.2	0.71	0.95	1.4	0.93	59.4
	533.4	165	114.3	1.6	4.7	1810	3600	EE971354/972102D	1	390	510	1.6	4.7	0.33	2	3	2	116
	533.4	174.63	123.825	1.6	4.8	2261	4180	EE971354/972103D	1	390	510	1.6	4.8	0.33	2	3	2	130
	546.1	177.8	152.4	3.2	4.7	1810	3600	EE971354/972151D	1	390	517	3.2	4.7	0.33	2	3	2	141

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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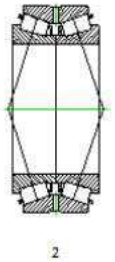

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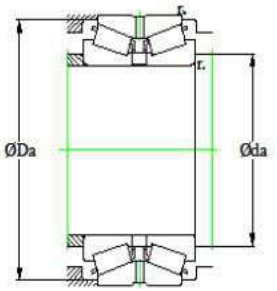
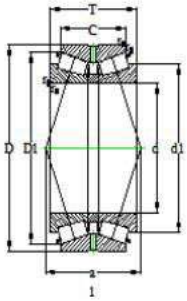


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
346.075	482.6	133.35	88.9	1.6	7	1210	2840	EE161363/161901D	1	385	465	1.6	7	0.5	1.4	2	1.3	64.8
	488.95	200.025	158.75	1.6	6.4	2500	5980	HM262749/HM262710D	1	386	475	1.6	6.4	0.33	2	3	2	110
349.25	514.35	193.675	152.4	1.6	6.4	2270	5450	EE333137/333203D	1	394	495	1.6	6.4	0.37	1.8	2.7	1.8	130
354.013	482.6	133.35	88.9	1.6	7	1050	2500	EE161394/161901D	1	375.2	453.4	1.6	7	0.5	1.35	2.01	1.32	61.6
355.6	444.5	136.525	111.125	1.6	3.6	1180	3460	L163149/L163110D	1	381	435	1.6	3.6	0.31	2.2	3.3	2.2	46
	482.6	133.35	88.9	1.6	7	1210	2840	EE161400/161901D	1	390	465	1.6	7	0.5	1.4	2	1.3	59.3
	501.65	155.575	107.95	1.6	6.4	1740	4040	EE231400/231976D	1	403	489	1.6	6.4	0.44	1.5	2.3	1.4	87
	514.35	193.675	152.4	1.6	6.4	2270	5450	EE333140/333203D	1	397	495	1.6	6.4	0.37	1.8	2.7	1.8	125
368.249	523.875	214.312	169.862	1.6	6.4	2980	7130	HM265049/HM265010D	1	400	499	1.6	6.4	0.33	2	3	2	140
368.3	596.9	203.2	133.35	2.3	9.7	2930	5560	EE181453/182351D	1	428	570	2.3	9.7	0.41	1.7	2.5	1.6	188
371.475	501.65	155.575	107.95	1.6	6.4	1740	4040	231462/231976DC	1	411	489	1.6	6.4	0.44	1.5	2.3	1.4	76.5
	514.35	155.575	107.95	1.6	6.4	1360	3300	EE231462/232026D	1	411	495	1.6	6.4	0.44	1.5	2.3	1.5	83.8
377.825	508	139.7	88.9	1.6	6.4	1180	2980	EE192148/192201D	1	397.6	479.7	1.6	6.4	0.53	1.27	1.89	1.24	68.8
381	508	139.7	88.9	1.6	6.4	1180	2980	EE192150/192201D	1	400.8	479.7	1.6	6.4	0.53	1.27	1.89	1.24	66.7
	546.1	222.25	177.8	1.6	6.4	3150	8000	HM266447/HM266410D	1	428	531	1.6	6.4	0.33	2	3	2	162
	590.55	244.475	193.675	1.6	6.4	3100	8350	HM268730/HM268710D	1	425	561	1.6	6.4	0.33	2.03	3.02	1.98	218
384.175	441.325	68.262	52.388	1.6	6.4	360	1060	LL365340/LL365310D	1	399	433	1.6	6.4	0.34	1.99	2.96	1.94	14.1
	546.1	222.25	177.8	1.6	6.4	3030	6980	HM266449/HM266410D	1	429	531	1.6	6.4	0.33	2	3	2	161
385.762	514.35	177.8	139.7	1.6	6.4	2120	5550	LM665949/LM665910D	1	415	495	1.6	6.4	0.42	1.61	2.4	1.58	90
393.7	539.75	142.875	101.6	1.6	6.4	1400	3300	EE234154/234213D	1	438	526	1.6	6.4	0.48	1.4	2.1	1.4	84.7
	546.1	158.75	117.475	1.6	6.4	1400	3300	EE234154/234216D	1	438	529	1.6	6.4	0.48	1.4	2.1	1.4	97
	558.8	146.05	104.775	1.6	6.4	1490	3810	EE234154/234221D	1	413.5	515	1.6	6.4	0.48	1.42	2.11	1.39	104
	560.248	146.05	104.78	1.6	6.4	1400	3300	EE234154/234223D	1	438	536	1.6	6.4	0.48	1.4	2.1	1.4	100
396.875	539.75	142.875	101.6	1.6	6.4	1400	3300	EE234156/234213D	1	439	526	1.6	6.4	0.48	1.4	2.1	1.4	82.5

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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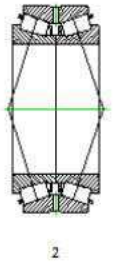

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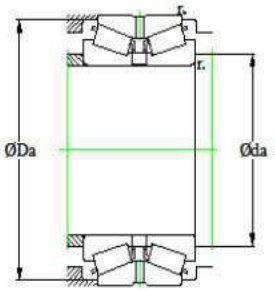
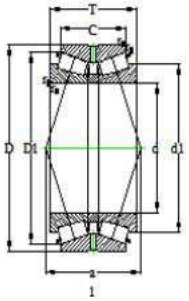


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
396.875	546.1	158.75	117.475	1.6	6.4	1400	3300	EE234156/234216D	1	439	529	1.6	6.4	0.48	1.4	2.1	1.4	94.6
	558.8	146.05	104.775	1.6	6.4	1490	3810	EE234156/234221D	1	416.7	515	1.6	6.4	0.48	1.42	2.11	1.39	102
406.4	539.75	142.875	101.6	1.6	6.4	1600	4180	EE234160/234213D	1	444	526	1.6	6.4	0.48	1.4	2.1	1.4	82.6
	546.1	158.75	117.475	1.6	6.4	1400	3300	EE234160/234216D	1	444	529	1.6	6.4	0.48	1.4	2.1	1.4	94.2
	546.1	185.738	144.462	1.6	6.4	2270	5950	M667944/M667910D	1	449	536	1.6	6.4	0.42	1.6	2.4	1.6	113
	546.1	185.738	147.638	1.6	6.4	2270	5950	M667944/M667911D	1	449	537	1.6	6.4	0.42	1.6	2.4	1.6	114
	558.8	146.05	104.775	1.6	6.4	1490	3810	EE234160/234221D	1	427.2	515	1.6	6.4	0.48	1.42	2.11	1.39	95
	574.675	157.162	106.362	1.6	6.8	1580	3700	EE285160/285228D	1	453	552	1.6	6.8	0.5	1.4	2	1.3	111
	590.55	228.6	174.625	1.6	9.5	3060	7070	EE833160X/833233D	1	433.4	560	1.6	9.5	0.32	2.08	3.1	2.04	188
	609.524	177.8	133.35	1.6	8	2590	5600	EE736160/736239D	1	459	585	1.6	8	0.35	1.9	2.9	1.9	163
	609.6	187.325	123.825	1.6	6.8	2520	5500	EE911600/912401D	1	459	586	1.6	6.8	0.38	1.8	2.6	1.7	172
	673.1	192.639	127	1.6	6.4	3000	6200	EE571602/572651D	1	479	646	1.6	6.4	0.4	1.7	2.5	1.7	251
	673.1	192.639	152.4	1.6	6.4	2530	5240	EE571602/572653D	1	427.2	630	1.6	6.4	0.4	1.68	2.5	1.64	242
409.575	546.1	185.738	147.638	1.6	6.4	2280	5740	M667948/M667911D	1	430.4	530	1.6	6.4	0.42	1.62	2.42	1.59	110
	574.675	157.162	106.362	1.6	6.8	1580	3700	EE285162/285228D	1	455	552	1.6	6.8	0.5	1.4	2	1.3	109
411.162	609.6	187.325	123.825	1.6	6.8	2520	5500	EE911618/912401D	1	461	586	1.6	6.8	0.38	1.8	2.6	1.7	167
415.925	590.55	244.475	193.675	1.6	6.4	3710	9170	M268749/M268710DC	1	465	576	1.6	6.4	0.33	2	3	2	205
425.45	685.698	311.15	234.95	3.2	12.7	5200	11400	EE328167/328268D	1	497	661	3.2	12.7	0.4	1.7	2.5	1.7	410
430.213	603.25	153.289	98.425	1.6	6.4	1680	3770	EE241693/242376D	1	451	565	1.6	6.4	0.53	1.28	1.91	1.26	109
	603.25	159.639	104.775	1.6	6.4	1680	3770	EE241693/242377D	1	451	565	1.6	6.4	0.53	1.28	1.91	1.26	113
431.8	571.5	155.575	111.125	1.6	3.2	1880	4850	LM869448/LM869410D	1	471	560	1.6	3.2	0.54	1.25	1.8	1.3	100
	603.25	153.289	98.425	1.6	6.4	1680	3770	EE241701/242376D	1	452.6	565	1.6	6.4	0.53	1.28	1.91	1.26	107
	603.25	159.639	104.775	1.6	6.4	1670	4100	EE241701/242377D	1	446	561	1.6	6.4	0.53	1.28	1.91	1.25	124
	673.1	192.639	127	1.6	6.4	3000	6200	EE571703/572651D	1	491	646	1.6	6.4	0.4	1.7	2.5	1.7	225
	673.1	192.639	152.4	1.6	6.4	3000	6200	EE571703/572653D	1	491	649	1.6	6.4	0.4	1.7	2.5	1.7	235

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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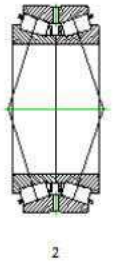

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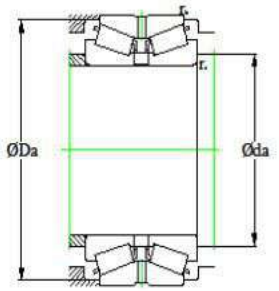
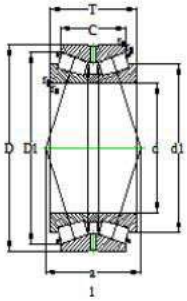


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
441.325	660.4	195.262	138.112	1.6	10.4	2650	5550	EE737173/737261D	1	499	636	1.6	10.4	0.37	1.8	2.7	1.8	198
447.675	635	257.175	206.375	1.6	6.4	4180	10450	M270749/M270710D	1	502	617	1.6	6.4	0.33	2	3	2	245
	649.924	257.175	206.375	1.6	6.4	3930	10500	M270749/M270720D	1	468.5	605	1.6	6.4	0.33	2.03	3.02	1.98	272
457.2	596.9	165.1	120.65	1.6	9.7	2050	5220	EE244180/244236D	1	500	581	1.6	9.7	0.4	1.7	2.5	1.6	110
	660.4	195.262	138.112	1.6	10.4	2650	5550	EE737181/737261D	1	507	636	1.6	10.4	0.37	1.8	2.7	1.8	182
	730.148	254	177.8	1.6	9.7	3900	8350	EE671801/672875D	1	527	699	1.6	9.7	0.39	1.7	2.6	1.7	368
479.425	679.45	276.225	222.25	1.6	6.4	4760	12060	M272749/M272710D	1	535	663	1.6	6.4	0.33	2	3	2	302
482.6	615.95	184.15	146.05	1.6	6.4	2380	6900	LM272249/LM272210D	1	522	604	1.6	6.4	0.37	1.8	2.7	1.8	126
	634.873	177.8	142.875	1.6	6.4	2290	6600	EE243190/243251D	1	530	622	1.6	6.4	0.34	2	2.9	1.9	144
488.671	660.4	206.375	158.75	1.6	6.4	2920	7550	EE640191/640261D	1	535	643	1.6	6.4	0.31	2.2	3.3	2.1	185
	666.674	206.375	158.75	1.6	6.4	3100	7910	EE640191/640262D	1	510	630	1.6	6.4	0.31	2.2	3.27	2.15	194
488.95	634.873	180.975	136.525	1.6	6.4	2350	6350	LM772748/LM772710D	1	532	623	1.6	6.4	0.47	1.4	2.1	1.4	134
	660.4	206.375	158.75	1.6	6.4	2920	7550	EE640192/640261D	1	535	643	1.6	6.4	0.31	2.2	3.3	2.1	185
	666.674	206.375	158.75	1.6	6.4	3100	7910	EE640192/243251D	1	510	630	1.6	6.4	0.31	2.2	3.27	2.15	194
489.026	634.873	177.8	142.875	1.6	6.4	2610	6980	EE243192/243251D	1	533	622	1.6	6.4	0.35	1.9	2.9	1.8	130
498.475	634.873	177.8	142.875	1.6	6.4	2610	6980	EE243196/243251D	1	538	622	1.6	6.4	0.35	1.9	2.9	1.8	125
501.65	711.2	292.1	231.775	1.6	6.4	4810	12800	M274149/M274110D	1	525	680	1.6	6.4	0.33	2.03	3.02	1.98	346
505.968	736.6	186.502	114.3	1.6	6.4	2780	6800	EE981992/982901	1	571	712	1.6	6.4	0.48	1.4	2.1	1.4	242
508	736.6	186.502	114.3	1.6	6.4	2780	6800	EE982003/982901	1	572	712	1.6	6.4	0.48	1.4	2.1	1.4	240
	838.2	304.8	222.25	3.2	9.7	6200	14100	EE426200/426331D	1	595	804	3.2	9.7	0.48	1.4	2.1	1.4	630
514.35	736.6	186.502	114.3	1.6	6.4	2520	5150	EE982028/982901D	1	540	690	1.6	6.4	0.48	1.42	2.11	1.39	213
520.7	736.6	186.502	114.3	1.6	6.4	2880	6370	EE982051/982901D	1	579	712	1.6	6.4	0.48	1.4	2.1	1.4	210

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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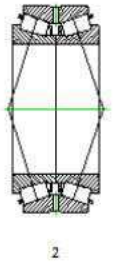

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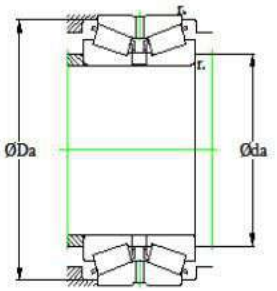
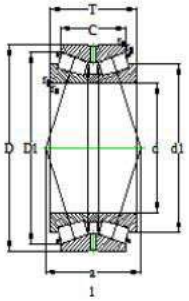


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
533.4	784.225	190.5	120.65	1.6	6.4	3000	7000	EE522102/523088D	1	596	752	1.6	6.4	0.48	1.4	2.1	1.4	276
	812.8	269.875	187.325	3.2	9.7	4950	11300	EE626210/626321D	1	607	783	3.2	9.7	0.44	1.5	2.3	1.5	465
534.988	622.3	111.125	82.55	1.6	3.6	1000	3080	LL475048/LL475011D	1	555	610	1.6	3.6	0.37	1.83	2.73	1.79	47.1
536.575	761.873	311.15	247.65	1.6	6.4	5960	15200	M276449 /M276410DG2	1	576	726	1.6	6.4	0.33	2	3	2	430
546.1	736.6	165.1	114.3	3.2	6.4	2190	5200	EE542215/542291D	1	598	715	3.2	6.4	0.51	1.3	2	1.3	168
549.275	692.15	174.625	136.525	3.2	6.4	2320	6950	L476549/L476510D	1	579	666	3.2	6.4	0.38	1.79	2.67	1.75	135
558.8	736.6	165.1	114.3	3.2	6.4	2050	5400	EE542220/542291D	1	594	705	3.2	6.4	0.51	1.32	1.96	1.29	166
558.8	736.6	187.328	138.112	1.6	6.4	3240	7880	EE843220/843291D	1	591	708	1.6	6.4	0.35	1.9	2.9	1.8	190
	736.6	225.425	177.8	1.6	6.4	4080	11020	LM377449/LM377410DC	1	591	708	1.6	6.4	0.35	1.9	2.9	1.8	150
	742.95	187.328	138.113	1.6	6.4	2960	8050	EE843220/843292D	1	580	710	1.6	6.4	0.34	1.97	2.93	1.93	206
565.15	863.6	317.5	228.6	3.2	8	6550	15200	EE929225/929341D	1	638	832	3.2	8	0.34	2	2.9	1.9	613
571.5	812.8	333.375	263.525	1.6	6.4	6120	15200	M278749 /M278710DAG2	1	615	774	1.6	6.4	0.33	2	3	2	520
588.8	736.6	165.1	114.3	3.2	6.4	2190	5200	EE542220/542291D	1	604	715	3.2	6.4	0.51	1.3	2	1.3	154
	736.6	187.328	138.112	1.6	6.4	3000	7800	EE843220/843291D	1	606	718	1.6	6.4	0.34	2	2.9	1.9	195
	736.6	225.425	177.8	1.6	6.4	3950	11200	LM377449/LM377410D	1	607	720	1.6	6.4	0.35	1.9	2.9	1.9	247
	742.95	187.328	138.112	1.6	6.4	3000	7800	EE843220/843292D	1	606	721	1.6	6.4	0.34	2	2.9	1.9	203
602.945	787.4	206.375	158.75	1.6	6.4	3820	10070	649237/649311D	1	655	771	1.6	6.4	0.37	1.8	2.7	1.8	240
	793.75	206.375	158.75	1.6	6.4	3450	9600	EE649237/649313D	1	655	774	1.6	6.4	0.37	1.8	2.7	1.8	253
607.72	787.4	206.375	158.75	1.6	6.4	3450	9600	EE649239/649311D	1	658	771	1.6	6.4	0.37	1.8	2.7	1.8	237
	793.75	206.375	158.75	1.6	6.4	3390	9940	EE649239/649313D	1	630	755	1.6	6.4	0.37	1.82	2.7	1.78	254
609.6	717.55	127	95.25	1.6	6.4	1530	4600	LL579749/LL579710D	1	642	708	1.6	6.4	0.4	1.7	2.5	1.6	81.7
	787.4	206.375	158.75	1.6	6.4	3820	10070	EE649240/649311D	1	659	771	1.6	6.4	0.37	1.8	2.7	1.8	232

Double-row Taper Roller Bearing with Double Inner Ring
(Inch Series)

WSW



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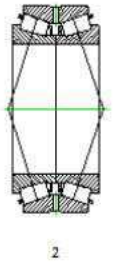

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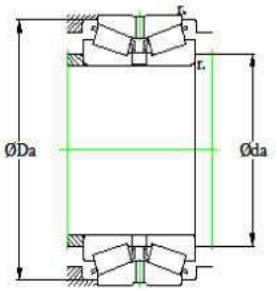
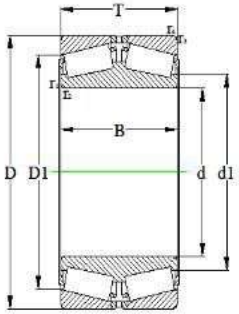
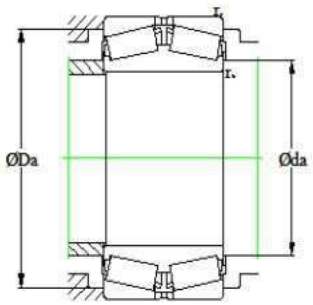


基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	相关安装尺寸 Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass (参考) Refer.
d	D	T	C	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
609.6	793.75	206.375	158.75	1.6	6.4	3450	9600	EE649240/649313D	1	659	774	1.6	6.4	0.37	1.8	2.7	1.8	243
	812.8	190.5	146.05	3.2	6.4	3400	8360	EE743240/743321D	1	664	785	3.2	6.4	0.33	2	3	2	250
660.4	812.8	203.2	158.75	3.2	6.4	3250	10300	L281148/L281110DA	1	693	789	3.2	6.4	0.37	1.8	2.69	1.76	199
	854.924	186.329	135.9	2.4	9.5	3120	8010	EE749260/749335D	1	690	820	2.4	9.5	0.35	1.92	2.86	1.88	238
673.1	793.75	133.35	98.426	1.6	6.4	1750	5850	673KBE7951	1	710	781	1.6	6.4	0.36	1.9	2.8	1.8	108
685.8	876.3	200.025	152.4	1.6	6.4	3510	10800	EE655270/655346D	1	710	850	1.6	6.4	0.42	1.62	2.42	1.59	280
711.2	914.4	190.5	139.7	1.6	6.4	3610	9170	EE755280/755361D	1	767	891	1.6	6.4	0.37	1.8	2.7	1.8	265
723.9	914.4	187.325	139.7	1.6	3.2	3020	8930	EE755285/75361D	1	745	880	1.6	3.2	0.38	1.78	2.65	1.74	266
749.3	965.2	187.325	133.35	1.6	6.4	3130	9590	EE752295/752381D	1	775	920	1.6	6.4	0.4	1.68	2.5	1.64	320
749.3	990.6	338	265	3.2	6.4	7850	23900	LM283649/LM283610D	1	775	960	3.2	6.4	0.32	2.12	3.15	2.07	681
762	965.2	187.325	133.35	1.6	6.4	3580	9800	EE752300/752381D	1	815	943	1.6	6.4	0.4	1.7	2.5	1.6	290
774.7	965.2	187.325	133.35	1.6	6.4	3580	9800	EE752305/752381D	1	822	943	1.6	6.4	0.4	1.7	2.5	1.6	265
812.8	1016	190.5	146.05	3.2	6.4	3580	10200	EE762320/762401D	1	876	994	3.2	6.4	0.43	1.6	2.3	1.6	350
	1066.8	190.5	146.05	3.2	6.4	3580	10200	EE762320/762420XD	1	867	1019	3.2	6.4	0.43	1.6	2.3	1.6	445
914.4	1066.8	139.7	101.6	3.2	6.4	2460	8000	LL686947/LL686910D	1	955	1048	3.2	6.4	0.4	1.7	2.5	1.6	190
939.8	1270	547.2	317.5	3.2	12.7	9200	27550	940KBE1270-1	1	976	1250	3.2	12.7	0.88	0.77	1.15	0.8	1540
977.9	1130.3	139.7	101.6	3.2	6.4	2510	8750	LL687949/LL687910D	1	1019	1112	3.2	6.4	0.43	1.6	2.3	1.5	210
1270	1435.1	146.05	101.6	3.2	6.4	2800	11100	LL889049/LL889010D	1	1315	1413	3.2	6.4	0.57	1.2	1.8	1.2	303
1431.925	1584.325	130.175	79.375	3.2	6.4	2440	8850	LL989349/LL989310D	1	1460	1560	3.2	6.4	0.62	1.09	1.62	1.06	259
1562.1	1086.575	279.4	196.85	3.2	9.7	7210	28000	EE299615/299711D	1	1632	1777	3.2	9.7	0.48	1.4	2.1	1.4	1045

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)

WSW

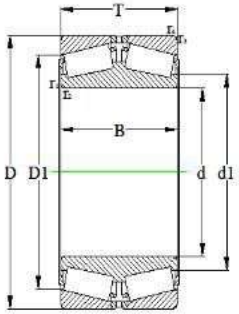


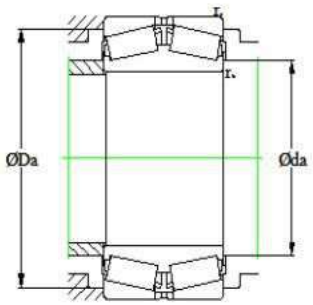


基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers 新代号 New	旧代号 Old	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass 参考 Refer.
d	D	T	B	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
100	150	110	110	2	1	385	780	100TDI150-1		108	138	1	2	0.22	3	4.5	2.9	6.4
	165	52	52	2	2.5	237	384	100TDI165-1		118.8	147.8	2.5	2	0.35	1.95	2.9	1.91	4.26
	250	116	116	4	4	790	1050	100TDI250-1		135	232	4	4	0.4	1.68	2.5	1.64	30
105	170	90	90	2	2.5	395	810	105TDI170-1		118	155	2.5	2	0.32	2.1	3.2	2.1	8
110	180	56	56	2	2.5	298	485	110TDI180-1		124	170	2.5	2	0.33	2.03	3.02	1.98	5.6
	190	98	102	3	1.5	515	950	110TDI190-1		128.5	176	1.5	3	0.42	1.62	2.42	1.59	12.1
	200	82	82	2.5	1	555	865	110TDI200-1		128.5	188	1	2.5	0.42	1.61	2.39	1.57	11.3
120	170	120	120	1.5	2	425	915	120TDI170-1		128	158	2	1.5	0.25	2.7	4	2.6	8
	180	46	46	2	2.5	230	375	120TDI180-1		134	170	2.5	2	0.37	1.8	2.69	1.76	4.08
	200	62	62	2	2.5	370	610	120TDI200-1		134	190	2.5	2	0.37	1.8	2.69	1.76	7.82
	215	87	80	2.5	0.8	550	1060		187224E	141	203	2.5	0.8	0.44	1.55	2.31	1.52	13.4
	215	113	113	2.5	2.5	735	1300	120TDI215-1		141	203	2.5	2.5	0.35	1.95	2.9	1.91	17.7
	280	140	150	3	3	1130	1840	120TDI280-1		172	266	3	3	0.33	2.03	3.02	1.98	47.3
130	190	81	81	2	0.6	463	978	130TDI190-1		143.9	175.6	0.6	2	0.33	2.03	3.02	1.98	8.18
	190	120	120	1.5	1.5	490	1100	130TDI190-2		140	177	1.5	1.5	0.26	2.6	3.8	2.5	11.1
	200	52	52	2	2.5	294	490	130TDI200-1		144	190	2.5	2	0.37	1.8	2.69	1.76	5.92
	210	64	64	2	2.5	410	675	130TDI210-1		144	200	2.5	2	0.37	1.8	2.69	1.76	8.58
	210	69	69	2	2.5	365	687	135TDI210-1		161	192	2.5	2	0.27	2.47	3.67	2.41	10
	230	120	120	2.5	1	760	1480	135TDI230-1		148	207	1	2.5	0.33	2	3	2	20.8
	260	120	120	3	3	910	1480	130TDI260-1		149	231	3	3	0.55	1.2	1.8	2.2	29.5
140	210	53	53	2	2.5	305	530	140TDI210-1		157	195	2.5	2	0.4	1.7	2.5	1.6	6.4
	225	68	68	2.5	3	390	650	140TDI225-1		156	213	3	2.5	0.37	1.8	2.69	1.76	10.7
	250	88	88	3	4	615	915	140TDI250-1		166	224	4	3	0.43	1.57	2.34	1.53	16
	300	102	102	4	5	838	1310	140TDI300-1		190.1	255.5	5	4	0.42	1.62	2.42	1.59	36.2
	300	150	150	4	1.5	1180	1830	140TDI300-1		161	264	1.5	4	0.55	1.2	1.8	1.2	50.2
150	225	56	56	2.5	3	355	630	150TDI225-1		165	213	3	2.5	0.37	1.8	2.69	1.76	7.76
	225	75	75	2.5	1	510	965	150TDI225-2		166.2	206	1	2.5	0.4	1.68	2.5	1.64	9.78
	250	80	80	2.5	3	600	1040	150TDI250-1		168	238	3	2.5	0.37	1.8	2.69	1.76	15.7

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)

WSW

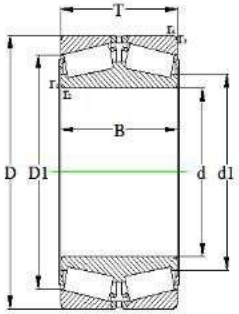


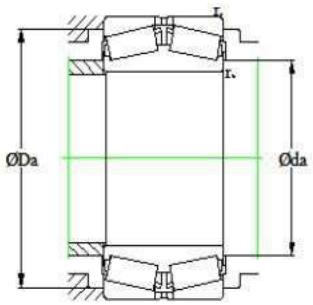


基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers 新代号 New	旧代号 Old	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass 参考 Refer.
d	D	T	B	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
150	250	100	100	2.5	3	768	1510	150TDI250-2		178.4	225.7	3	2.5	0.4	1.68	2.5	1.64	20
	250	110	110	2.5	2.5	855	1590	150TDI250-3		169	238	2.5	2.5	0.46	1.47	2.19	1.44	21.7
160	240	60	60	2.5	3	430	765	160TDI240-1		175	228	3	2.5	0.37	1.8	2.69	1.76	9.46
	240	110	110	2.5	2.5	750	1560	160TDI240-2		175.5	228	2.5	2.5	0.33	2.03	3.02	1.98	17.3
	270	86	86	2.5	3	675	1180	160TDI270-1		178	258	3	2.5	0.37	1.8	2.69	1.76	20
	270	116	116	2.5	2.5	835	1640	160TDI270-2		184.5	258	2.5	2.5	0.4	1.68	2.5	1.64	27.1
	340	150	136	4	1.5	1400	2140	160TDI340-1		182	300	1.5	4	0.55	1.2	1.8	1.2	63
170																		
	230	65	65	0.7	2	410	945		87834	184	218	0.5	2	0.29	2.36	3.51	2.31	6.79
	260	67	67	2.5	3	490	865	170TDI260-1		185	248	3	2.5	0.37	1.8	2.69	1.76	12.8
	280	76	76	2.5	2.5	550	900	170TDI280-1		195	264	2.5	2.5	0.4	1.68	2.5	1.64	18.5
	280	88	88	2.5	3	725	1270	170TDI280-2		188	268	3	2.5	0.37	1.8	2.69	1.76	21.5
173	350	155	155	4	5	1430	2410	173TDI350-1		201	311	5	4	0.43	1.6	2.3	1.5	69.3
180	254	90	90	2.5	3	572	1270	180TDI254-1		198.1	234	3	2.5	0.33	2.03	3.02	1.98	14
	280	74	74	2.5	3	580	1050	180TDI280-1		198	268	3	2.5	0.37	1.8	2.69	1.76	16.5
	300	96	96	3	4	885	1530	180TDI300-1		200	286	4	3	0.37	1.8	2.69	1.76	27.2
190	290	75	75	2.5	3	615	1110	190TDI290-1		208	278	3	2.5	0.37	1.8	2.69	1.76	17.9
195	305	120	120	2.5	3	1050	2020	195TDI305-1		211	282	3	2.5	0.37	1.8	2.7	1.8	31.9
200	310	82	82	2.5	3	720	1320	200TDI310-1		218	298	3	2.5	0.37	1.8	2.69	1.76	21.7
	340	112	112	3	4	1090	1910	200TDI340-1		222	326	4	3	0.37	1.8	2.69	1.76	41.7
	340	140	140	3	3	1490	2780	200TDI340-2		226.5	326	3	3	0.4	1.68	2.5	1.64	52.1
	340	150	150	3	1.5	1290	2490	200TDI340-3		224	326	1.5	3	0.42	1.6	2.39	1.57	55.9
	420	138	138	5	5	1740	2750	200TDI420-1		241	382	5	5	0.4	1.7	2.5	1.6	93.3
	420	235	235	5	2	3000	5350	200TDI420-2		248.5	398	2	5	0.37	1.8	2.69	1.76	158
210	365	170	170	4	4	1740	3400	210TDI365-1		234	330	4	4	0.42	1.6	2.4	1.6	74
220	320	76.2	76.2	2.5	2.5	630	1220	220TDI320-1		244	308	2.5	2.5	0.39	1.74	2.59	1.7	20.3
	340	90	90	3	4	880	1650	220TDI340-1		242	326	4	3	0.37	1.8	2.69	1.76	29.8

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)

WSW



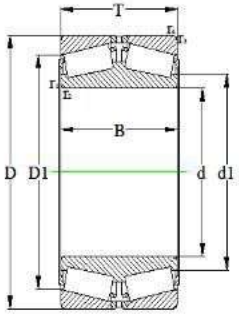


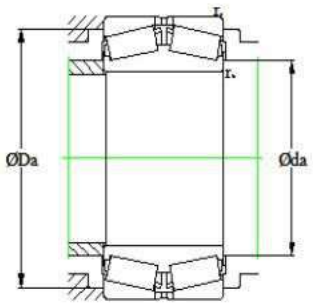
基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers 新代号 New	旧代号 Old	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass 参考 Refer.
d	D	T	B	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
220	340	140	200	3	1.5	1570	3180	220TDI340-2		242	326	1.5	3	0.43	1.6	2.3	1.6	50.5
	370	120	120	4	5	1220	2260	220TDI370-1		248	352	5	4	0.4	1.68	2.5	1.64	52.2
230	350	90	90	3	4	791	1560	230TDI350-1		266.5	318	4	3	0.28	2.43	3.61	2.37	30.6
235	375	170	170	3	3	1850	3800	235TDI375-1		255	345	3	3	0.33	2	3	2	70.9
240	360	92	92	3	4	910	1770	240TDI360-1		262	346	4	3	0.37	1.8	2.69	1.76	32.6
	395	124	124	4	4	1400	2630	240TDI395-1		276	377	4	4	0.4	1.68	2.5	1.64	60.2
	400	128	128	4	5	1400	2590	240TDI400-1		268	382	5	4	0.4	1.68	2.5	1.64	64.6
	400	160	160	4	4	1770	3550	240TDI400-2		275	382	4	4	0.4	1.68	2.5	1.64	80.7
260	400	104	104	4	5	1150	2190	260TDI400-1		285	382	5	4	0.37	1.8	2.69	1.76	47.3
	400	150	150	4	4	1470	3200	260TDI400-2		289	382	4	4	0.43	1.57	2.34	1.53	68.3
	420	170	170	4	5	2150	4260	260TDI420-1		296.7	381.5	5	4	0.33	2.03	3.02	1.98	92.5
	440	144	144	4	5	1770	4150	260TDI440-1		301	407	5	4	0.35	1.9	2.9	1.9	95.8
280	420	106	106	4	5	1200	2340	280TDI420-1		305	402	5	4	0.37	1.8	2.69	1.76	51.2
	460	146	146	5	6	1940	3650	280TDI460-1		315	438	6	5	0.4	1.68	2.5	1.64	95.8
285	500	200	200	5	6	2980	5800	285TDI500-1		318	456	6	5	0.35	1.9	2.8	1.9	170
300	460	118	118	4	5	1610	3150	300TDI460-1		330	442	5	4	0.37	1.8	2.69	1.76	70.7
	500	160	160	5	6	2100	4050	300TDI500-1		335	478	6	5	0.4	1.68	2.5	1.64	126
310	440	110	110	3	4	1250	2780	310TDI440-1		331	413	4	3	0.37	1.8	2.7	1.8	53.2
320	450	110	110	3	4	1270	2760	320TDI450-1		351.1	415.9	4	3	0.38	1.77	2.64	1.73	54.1
	480	121	121	4	5	1580	3100	320TDI480-1		350	462	5	4	0.37	1.8	2.69	1.76	76.3
	510.8	220	220	4	4	3100	6850	320TDI510-1		358	493	4	4	0.35	1.95	2.9	1.91	173
	540	176	176	5	6	2500	4900	320TDI540-1		355	518	6	5	0.4	1.68	2.5	1.64	164
	580	240	240	5	3	3700	7800	320TDI580-1		379	558	3	5	0.43	1.57	2.34	1.53	288
	620	280	280	5	5	5250	10300	320TDI620-1		360	598	5	5	0.43	1.57	2.34	1.53	390
330	540	186	186	5	5	2950	7450	330TDI540-1		373	497	5	5	0.33	2	3	2	184

Double-row Taper Roller Bearing with Double Outer Ring

(Inch Series)

WSW



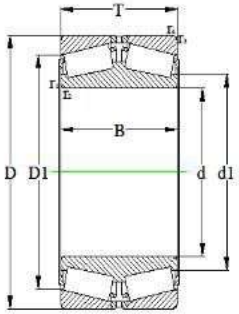


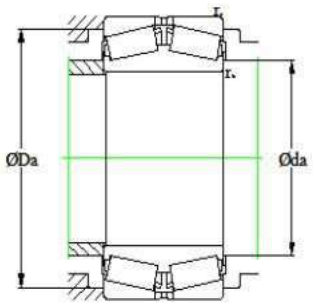
基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass
								新代号	旧代号									参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
340	470	110	110	3	3	1320	3050	340TDI470-1		369	456	3	3	0.4	1.68	2.5	1.64	57.8
	520	133	133	5	5	2020	4100	340TDI520-1		382	484	5	5	0.39	1.7	2.6	1.7	105
	580	190	190	5	6	2690	5150	340TDI580-1		377	530	6	5	0.39	1.7	2.6	1.7	205
	580	241	241	5	5	3800	7750	340TDI580-2		376	531	5	5	0.37	1.8	2.7	1.8	265
350	480	110	110	4	4	1400	3150	350TDI480-1		376.5	462	4	4	0.42	1.62	2.42	1.59	58.7
	590	192	192	5	5	3200	6100	350TDI590-1		407	568	5	5	0.33	2.03	3.02	1.98	218
360	540	134	134	5	6	2100	4350	360TDI540-1		391	505	6	5	0.39	1.7	2.6	1.7	111
	600	192	192	6	6	3500	7100	360TDI600-1		399	551	6	6	0.39	1.7	2.6	1.7	235
	680	330	300	6	6	6500	13900	360TDI680-1		431	652	6	6	0.47	1.43	2.12	1.4	570
380	530	200	200	5	5	2380	6200	380TDI530-1		404	495	5	5	0.33	2	3	2	134
	560	135	135	5	6	2080	4350	380TDI560-1		415	538	6	5	0.37	1.8	2.69	1.76	113
	570	200	200	4	1.5	3210	7560	380TDI570-1		417.9	520	1.5	4	0.47	1.43	2.12	1.4	183
	620	194	194	5	6	3350	6700	380TDI620-1		420	598	6	5	0.4	1.68	2.5	1.64	229
385	530	180	180	4	2	2130	5300	385TDI530-1		404	497	2	4	0.38	1.8	2.7	1.7	117
400	530	120	105	4	1.5	1340	3350	400TDI530-1		418	499	1.5	4	0.56	1.2	1.8	1.2	69.1
	590	142	142	3	3	2300	5000	400TDI590-1		428	553	3	3	0.42	1.6	2.4	1.6	138
	590	144.5	144.5	5	5	2150	4550	400TDI590-2		430	550	5	5	0.42	1.6	2.4	1.6	131
	600	148	148	5	6	2530	5450	400TDI600-1		440	578	6	5	0.37	1.8	2.69	1.76	146
	650	250	250	6	6	4900	10500	400TDI650-2		457.5	622	6	6	0.39	1.74	2.59	1.7	325
	730	340	340	7.5	7.5	4900	15900	400TDI730-1		470	694	7.5	7.5	0.4	1.68	2.5	1.64	672
	780	380	380	7.5	7.5	7400	17700	400TDI780-2		477.5	744	7.5	7.5	0.4	1.68	2.5	1.64	895
406	635	224	224	6	3	4200	10800	406TDI6301		451	593	3	6	0.33	2	3	2	287
415	593	152	152	3.5	3.5	2350	5400	415TDI5951		441	555	3.5	3.5	0.48	1.4	2.1	1.4	139
420	520	90	90	4	1.5	1020	2700	420TDI520-1		441	502	1.5	4	0.47	1.43	2.12	1.4	41.9
	620	150	150	5	6	2650	5900	420TDI620-1		460	598	6	5	0.37	1.8	2.69	1.76	154
	700	224	224	6	6	4800	9700	420TDI700-1		465	672	6	6	0.4	1.68	2.5	1.64	346
	735	406	406	7.5	7.5	8600	20400	420TDI735-1		489.5	699	7.5	7.5	0.37	1.8	2.69	1.76	780

Double-row Taper Roller Bearing with Double Outer Ring

(Inch Series)

WSW



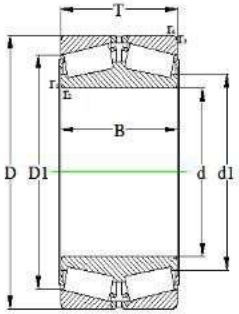


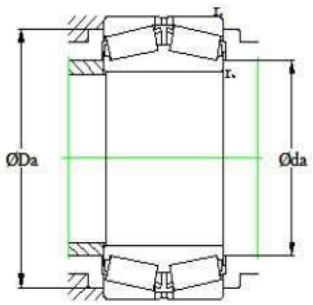
基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass
								新代号	旧代号									参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
430	535	84	84	3	1	1020	2850	430TDI535-1		490	500	1	3	0.54	1.3	1.8	1.3	44.5
440	650	157	157	6	6	2810	6200	440TDI650-1		488	606	6	6	0.39	1.7	2.6	1.7	183
	720	226	226	6	6	5000	10300	440TDI720-1		485	692	6	6	0.4	1.68	2.5	1.64	361
	730	290	290	6	6	6400	13900	440TDI730-1		503.5	702	6	6	0.33	2.03	3.02	1.98	513
448	635	224	224	6	3	4200	10800	448TDI635-1		472	593	3	6	0.33	2	3	2	238
450	595	178	178	6	3	2820	7740	450TDI595-1		510	560	3	6	0.33	2	3	2	140
	720	300	300	7.5	4	5550	12600	450TDI720-1		500.5	684	4	7.5	0.43	1.57	2.34	1.53	483
453	593	136	136	3.3	1.5	1920	5000	453TDI593-1		473	564	1.5	3.3	0.47	1.4	2.1	1.4	98.8
458	830.5	377	377	7.5	7.5	9100	19700	458TDI830-1		512	750	7.5	7.5	0.4	1.7	2.5	1.6	937
460	680	163	163	6	6	3050	6600	460TDI680-1		500	652	6	6	0.37	1.8	2.69	1.76	201
	760	240	240	7.5	7.5	5350	11600	460TDI760-1		530	700	7.5	7.5	0.39	1.7	2.6	1.7	448
	860	420	420	6	6	10500	22700	460TDI860-1		547	832	6	6	0.4	1.68	2.5	1.64	1120
480	700	165	165	6	6	3050	6700	480TDI700-1		520	672	6	6	0.37	1.8	2.69	1.76	211
	790	248	248	7.5	7.5	5700	12500	480TDI790-1		530	726	7.5	7.5	0.39	1.7	2.6	1.7	517
500	670	150	150	5	2.5	2400	6100	500TDI670-1		536	648	2.5	5	0.4	1.68	2.5	1.64	148
	720	167	167	6	6	3050	6900	500TDI720-1		540	692	6	6	0.37	1.8	2.69	1.76	221
	730	280	280	6	3	6270	14820	500TDI730-1		540	672	3	6	0.31	2.2	3.3	2.2	420
	820	256	256	9.5	9.5	5250	11900	500TDI820-1		583.5	776	9.5	9.5	0.4	1.68	2.5	1.64	535
	830	264	264	7.5	7.5	6400	14000	500TDI830-1		550	794	7.5	7.5	0.4	1.68	2.5	1.64	570
501.65	711.2	250.825	250.825	3.2	6.4	4500	13400		879/500	576	676	3.2	6.4	0.35	1.92	2.86	1.88	323
530	730	250	250	6	6	4600	13400		878/530	578	682	6	6	0.34	2	2.97	1.95	323
	780	185	185	6	6	4150	9350	530TDI780-1		568	731	6	6	0.37	1.8	2.7	1.8	321
	870	272	272	7.5	7.5	6800	14500	550TDI870-1		581	800	7.5	7.5	0.39	1.7	2.6	1.7	661
540	710	150	140	4	5	2180	5650	540TDI710-1		568	675	5	4	0.4	1.7	2.5	1.6	151

Double-row Taper Roller Bearing with Double Outer Ring

(Inch Series)

WSW

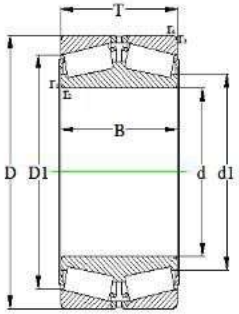


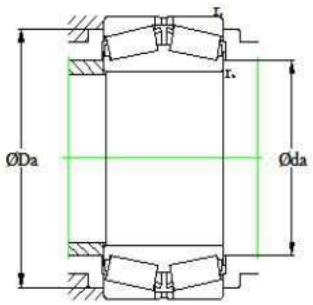


基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass
								新代号	旧代号									参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	da min	Da max	rb max	ra max	e	Y1	Y2	Y0	Refer.
550	750	150	130	5	6	2630	6350	550TDI750-1		583	707	6	5	0.49	1.4	2.1	1.4	196
560	820	195	195	6	6	4550	10300	560TDI820-1		620	792	6	6	0.35	1.92	2.86	1.88	347
	920	280	280	7.5	7.5	7300	15400	560TDI31		635	845	7.5	7.5	0.39	1.7	2.6	1.7	762
570	710	150	140	4	4	2230	6450	570TDI710-1		593	680	4	4	0.32	2.1	3.1	2.1	130
	750	240	240	6	6	3500	11800		877/570	593	712	6	6	0.5	1.36	2.02	1.33	287
580	830	280	280	6	3	6480	15770	580TDI830-1		608	776	3	6	0.31	2.2	3.3	2.2	515
590	770	160	150	5	6	2600	7300	590TDI770-1		620	732	6	5	0.39	1.7	2.6	1.7	191
596	760	115	115.25	5	6	1500	5000	596TDI760-1		633	723	6	5	0.44	1.5	2.3	1.5	137
600	760	115	115	5	6	1500	5000	600TDI760-1		635	723	6	5	0.44	1.5	2.3	1.5	133
	820	160	160	6	6	3300	8300	600TDI820-1		637	774	6	6	0.42	1.6	2.4	1.6	258
	870	200	200	6	6	4350	9510	600TDI870-1		663	792	6	6	0.37	1.8	2.69	1.76	396
	870	400	380	7.5	4	8500	24100	600TDI870-2		641	834	4	7.5	0.47	1.43	2.12	1.4	758
	980	300	300	7.5	7.5	8290	17400	600TDI980-1		692	871	7.5	7.5	0.39	1.74	2.59	1.7	911
630	920	212	212	7.5	7.5	5350	12800	630TDI920-1		399	884	7.5	7.5	0.4	1.68	2.5	1.64	479
	1030	315	315	7.5	7.5	9150	19400	630TDI1030-1		733	915	7.5	7.5	0.39	1.74	2.59	1.7	1060
650	1030	270	270	10	15	8360	17380	650TDI1030-1		680	960	15	10	0.31	2.2	3.3	2.2	900
670	980	230	230	7.5	7.5	6300	14600	670TDI980-1		717	920	7.5	7.5	0.37	1.8	2.7	1.8	601
670	1090	336	336	7.5	7.5	10300	23500	670TDI1090-1		733	1008	7.5	7.5	0.37	1.8	2.7	1.8	1270
690	980	355	355	6	6	9400	26000	690TDI980-1		729	917	6	6	0.35	1.9	2.9	1.9	891
700	890	160	150	5	5	2850	8600	700TDI890-1		746	868	5	5	0.45	1.5	2.24	1.47	224
	900	197	197	6	3	4490	12540	710TDI900-1		785	830	3	6	0.35	1.9	2.9	1.8	325
	1030	236	236	7.5	7.5	6600	16100	710TDI1030-1		785	965	7.5	7.5	0.37	1.8	2.7	1.8	671
	1150	345	345	9.5	9.5	11100	26100	710TDI1150-1		800	1055	9.5	9.5	0.37	1.8	2.7	1.8	1440

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)

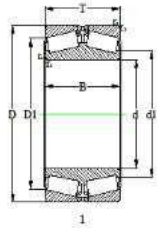
WSW

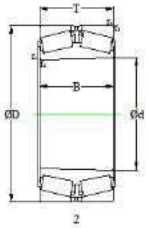


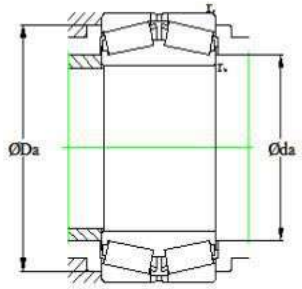


基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers 新代号 New	旧代号 Old	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(kg) Mass 参考 Refer.
d	D	T	B	r1.2min	r3.4min	Cr	Cor			da min	Da max	rb max	ra max	e	Y1	Y2	Y0	
750	1090	250	250	7.5	7.5	7350	18100	750TDI1090-1		830	1025	7.5	7.5	0.37	1.8	2.7	1.8	798
	1220	365	365	9.5	9.5	12500	29500	750TDI1220-1		855	1125	9.5	9.5	0.37	1.8	2.7	1.8	1730
790	970	125	125.25	5	5	2310	7350	790TDI970-1		824	931	5	5	0.36	1.9	2.8	1.8	211
800	1150	258	258	7.5	7.5	7790	18600	800TDI1150-1		887	1052	7.5	7.5	0.39	1.74	2.59	1.7	890
	1260	375	375	12	12	13960	31820	800TDI1260-1		886	1136	12	12	0.33	2	3	2	1850
	1280	375	375	9.5	9.5	12400	27400	800TDI1280-1		917	1140	9.5	9.5	0.39	1.74	2.59	1.7	1890
850	1220	272	272	7.5	7.5	8480	20200	850TDI1220-1		943	1120	7.5	7.5	0.39	1.74	2.59	1.7	1050
	1250	370	370	7.5	7.5	12200	32000	850TDI1250-1		905	1166	7.5	7.5	0.4	1.7	2.5	1.6	1600
	1360	400	400	12	12	13400	29500	850TDI1360-1		970	1210	12	12	0.39	1.74	2.59	1.7	2280
880	1220	340	340	7.5	4	10700	30000	880TDI1220-1		928	1151	4	7.5	0.34	2	2.9	1.9	1260
900	1280	280	280	7.5	7.5	9340	22500	900TDI1280-1		991	1175	7.5	7.5	0.39	1.74	2.59	1.7	1170
950	1360	300	300	7.5	7.5	10300	24900	950TDI1360-1		1050	1255	7.5	7.5	0.39	1.74	2.59	1.7	1440
1000	1320	240	240	7.5	7.5	7400	20500	1000TDI1320-1		1053	1257	7.5	7.5	0.33	2	3	2	907
1005	1360	400	400	7.5	7.5	13300	40500	1005TDI1360-1		1054	1281	7.5	7.5	0.42	1.6	2.4	1.6	1730
1180	1660	510	510	9.5	9.5	21500	63500	1180TDI1660-1		1248	1561	9.5	9.5	0.35	1.9	2.9	1.9	3610
1290	1690	400	400	7.5	7.5	16100	53000	1290TDI1690-1		1348	1606	7.5	7.5	0.35	1.9	2.8	1.9	2500
1400	1600	180	180	5	2.5	4400	16300	1400TDI1600-1		1437.5	1578	2.5	5	0.55	1.24	1.84	1.21	534

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



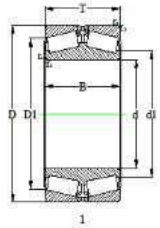


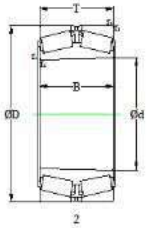


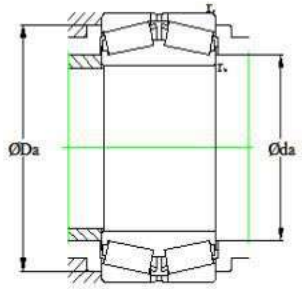
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
101.6	190.5	127	117.475	868D/854	1	113	168	1.6	3.2	0.33	2	3	2	14.5
	200.025	127	127	868D/854X	1	113	172	1.6	3.2	0.33	2	3	2	18.2
107.95	190.5	101.6	98.425	71426D/71750	1	121	171	1.6	3.2	0.42	1.6	2.4	1.6	11.8
	212.725	152.4	142.885	946D/932	1	123	187	3.2	3.2	0.33	2.1	3.1	2	23.9
114.3	190.5	101.6	98.425	71450D/71750	1	125	171	1.6	3.2	0.42	1.6	2.4	1.6	11
	212.725	152.4	142.885	HH224346D/HH224310	1	127	191	3.2	3.2	0.33	2.1	3.1	2	21.9
120.65	234.95	152.4	139.7	95474D/95925	1	146	212	6.4	3.2	0.37	1.8	2.7	1.8	28.1
127	182.562	76.2	76.2	48290D/48220	1	136	167	3.2	1.6	0.31	2.2	3.3	2.2	6.7
	182.562	76.2	76.2	48290TD/48220	2	136	167	1.6	1.6	0.31	2.2	3.3	2.2	6.7
	196.85	92.075	92.075	67388D/67322	1	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	10.4
	203.2	92.075	92.075	67388D/67320	1	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	11.8
	234.95	152.4	139.7	95499D/95925	1	147	212	5	3.3	0.37	1.8	2.7	1.8	26.7
	247	171.45	161.925	EE153053D/153097	1	153.2	217.4	3.2	3.2	0.32	2.1	3.13	2.05	35.9
	247.65	152.4	139.7	95499D/95975	1	150.6	204.3	3.2	5.2	0.37	1.83	2.72	1.79	32.4
	254	171.45	161.925	EE153053D/153100	1	146	223	3.2	6.4	0.32	2.1	3.1	2.1	36.5
	258.763	171.45	161.925	EE153053D/153101	1	153.2	217.4	6.4	3.2	0.32	2.1	3.13	2.05	41.6
	260.35	171.45	161.925	EE153053D/153102	1	153.2	217.4	6.4	3.2	0.32	2.1	3.13	2.05	42.5
	288.925	158.75	149.225	HH231637D/HH231610	1	172.1	252.1	6.4	13.2	0.32	2.12	3.15	2.07	50.9
	295.275	158.75	149.225	HH231637D/HH231615	1	172.1	252.1	6.4	13.2	0.32	2.12	3.15	2.07	54.3
130.005	215.9	123.825	123.825	74510D/74850	1	145	195	3.2	1.6	0.49	1.4	2.1	1.4	17.2
	217.488	123.825	123.825	74510D/74856	1	153.1	193.4	3.2	1.6	0.49	1.38	2.06	1.35	17.8
130.175	215.9	101.6	101.6	74512D/74850	1	145	195	1.6	3.2	0.49	1.4	2.1	1.4	14.7
	217.488	101.6	101.6	74512D/74856	1	153.1	193.4	3.2	1.6	0.49	1.38	2.06	1.35	15
	222.25	53.975	60.579	73512D/73875	1	160.8	197.9	3.2	3.6	0.44	1.54	2.3	1.51	9.38
133.35	196.85	92.075	92.075	67390D/67322	1	142	180	1.6	3.2	0.34	2	2.9	1.9	9.3
	196.85	92.075	92.075	67390TD/67322	2	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	9.46
	196.85	120.65	120.65	67392TD/67322	2	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	11.6

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



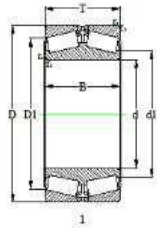


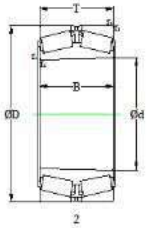


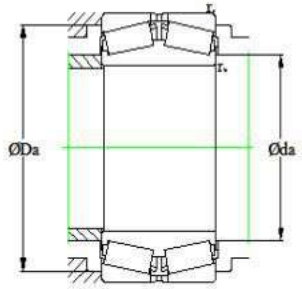
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
133.35	203.2	92.075	92.075	67390D/67320	1	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	10.9
	203.2	92.075	92.075	67390TD/67320	2	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	10.9
	203.2	120.65	120.65	67392TD/67320	2	145.8	180.1	3.2	1.6	0.34	1.96	2.92	1.92	13.5
	234.95	152.4	139.7	95526TD/95925	2	150.6	204.3	3.2	1.6	0.37	1.83	2.72	1.79	25.6
	247.65	152.4	139.7	95526TD/95975	2	150.6	204.3	3.2	1.6	0.37	1.83	2.72	1.79	30.9
136.525	190.5	77.788	77.788	48393D/48320	1	149.7	174.8	3.2	1.6	0.32	2.1	3.13	2.06	6.87
	203.2	77.788	77.788	48393D/48328	1	149.7	174.8	3.2	1.6	0.32	2.1	3.13	2.06	9.22
	215.9	123.825	123.825	74539TD/74850	2	153.1	193.4	3.2	1.6	0.49	1.38	2.06	1.35	15.9
	217.488	123.825	123.825	74539TD/74856	2	153.1	193.4	3.2	1.6	0.49	1.38	2.06	1.35	16.4
	225.425	120.65	120.65	H228649D/H228610	1	149	204	1.6	3.2	0.33	2	3	2	19
	225.425	120.65	120.65	H228649TD/H228610	2	155.8	201.5	3.2	1.6	0.33	2.03	3.02	1.98	19.4
139.7	200.025	75.408	77.788	48680D/48620	1	151	185	0.8	3.2	0.34	2	3	2	7.9
	222.25	53.975	60.579	73550D/73875	1	160.8	197.9	3.2	3.6	0.44	1.54	2.3	1.51	8.53
	295.275	171.45	165.1	EE455048D/455116	1	162	256	3.2	6.4	0.31	2.2	3.3	2.2	55.4
	307.975	171.45	161.925	HH234032D/HH234010	1	187.3	270.5	6.7	13.5	0.33	2.07	3.08	2.02	62.3
	317.5	171.45	161.925	HH234032D/HH234018	1	187.3	270.5	6.7	13.5	0.33	2.07	3.08	2.02	68.1
142.875	200.025	74.613	77.788	48685TD/48620	2	155.1	182.5	3.2	0.8	0.34	2.01	2.99	1.96	7.58
146.05	244.475	92.075	87.313	81576D/81962	1	174.2	218.8	3.2	1.6	0.35	1.93	2.88	1.89	16.3
	317.5	171.45	161.925	HH234040D/HH234018	1	180	279	13.5	6.8	0.33	2.1	3.1	2	62.7
147.638	236.538	133.334	132.351	82581TD/82931	2	165.7	211.2	3.2	1.6	0.44	1.53	2.27	1.49	21.7
	241.3	133.334	132.351	82581TD/82950	2	165.7	211.2	3.2	1.6	0.44	1.53	2.27	1.49	23.6
149.225	236.538	105.347	106.363	82587D/82931	1	160	213	1.5	3.2	0.44	1.5	2.3	1.5	17.5
	236.538	105.347	106.363	82587TD/82931	2	165.7	211.2	3.2	1.6	0.44	1.53	2.27	1.49	17.9
	241.3	105.347	106.363	82587D/82950	1	165.7	211.2	3.2	1.6	0.44	1.53	2.27	1.49	19.4
	241.3	105.347	106.363	82587TD/82950	2	165.7	211.2	3.2	1.6	0.44	1.53	2.27	1.49	19.4
	254	120.65	120.65	99587D/99100	1	171.1	223.5	3.2	1.6	0.41	1.66	2.47	1.62	26

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)







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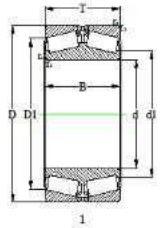
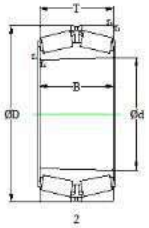
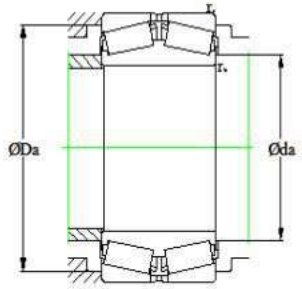
基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
152.4	222.25	84.138	84.138	M231649D/M231610	1	164	207	1.6	1.6	0.33	2	3	2	11.1
	222.25	84.138	84.138	M231649TD/M231610	2	167.9	201.5	1.6	1.6	0.33	2.03	3.02	1.98	11
	244.475	92.075	87.312	81601D/81962	1	167	225	1.6	3.2	0.35	1.9	2.9	1.9	15.3
	244.475	119.063	120.651	81604TD/81962	2	175.4	218.8	3.2	1.6	0.35	1.93	2.88	1.89	19.5
	254	120.65	120.65	99600TD/99100	2	171.1	223.5	3.2	1.6	0.41	1.66	2.47	1.62	25.3
	254	133.35	133.35	99600D/99100	1	171.1	223.5	3.2	1.6	0.41	1.66	2.47	1.62	27.2
	254	158.75	158.75	99603D/99100	1	165	230	1.6	3.2	0.41	1.7	2.5	1.6	29.6
	254	158.75	158.75	99601TD/99100	2	171.1	223.5	3.2	1.6	0.41	1.66	2.47	1.62	31.1
	298.45	111.125	107.95	EE517060D/517117	1	176	272	3.2	3.2	0.33	2	3	2	34.2
	307.975	171.45	161.925	HH234049D/HH234010	1	187.3	270.5	6.7	9.5	0.33	2.07	3.09	2.03	58.2
	317.5	171.45	161.925	HH234049D/HH234018	1	179	279	9.5	6.8	0.33	2.1	3.1	2	60.7
152.781	244.475	92.075	87.313	81603D/81962	1	174.2	218.8	3.2	1.6	0.35	1.93	2.88	1.89	15.1
155.575	247.65	122.238	122.238	H432549D/H432510	1	167	226	1.6	3.2	0.37	1.8	2.7	1.8	22.4
158.75	225.425	76.2	79.375	46780DR/46720	2	179	206.5	0.8	3.2	0.38	1.76	2.62	1.72	10.3
	285.75	125.413	128.588	EE217063D/217112	1	182.2	245.7	3.2	6.4	0.4	1.68	2.5	1.64	35.3
	290.513	125.413	125.413	EE217063D/217114	1	182.2	246.2	3.2	6.4	0.4	1.68	2.5	1.64	36.8
	304.8	114.3	109.438	EE280625D/281200	1	207.2	271.3	3.2	6.4	0.36	1.87	2.79	1.83	37.5
165.1	225.425	76.2	79.375	46790D/46720	1	175	208	0.8	3.2	0.38	1.8	2.6	1.7	9.7
	269.875	146.05	146.05	H234649TD/H234610	2	186.4	243.7	1.6	3.2	0.33	2.03	3.02	1.98	32.2
174.625	288.925	123.825	123.825	HM237542D/HM237510	1	190	266	1.6	3.2	0.32	2.1	3.2	2.1	31.3
	288.925	158.75	158.75	94688TD/94113	2	201	255	1.6	3.2	0.47	1.44	2.15	1.41	40.2
	298.45	158.75	158.75	94688TD/94118	2	201	255	1.6	3.2	0.47	1.44	2.15	1.41	45.6
	342.9	190.5	187.325	EE590689TD/591350	2	208	285.7	3.2	6.4	0.49	1.37	2.04	1.34	77.6
177.8	247.65	90.488	90.488	67790D/67720	1	187	228	1.6	3.2	0.44	1.5	2.3	1.5	13.3
	273.05	112.713	112.71	82680D/82622	1	196.9	251.3	1.6	3.2	0.52	1.29	1.92	1.26	22.7
	279.4	112.712	112.71	82680D/82620	1	191	253	1.6	3.2	0.53	1.3	1.9	1.2	24.9
	285.75	106.363	106.36	EE91700D/91112	1	200.6	251.8	1.6	3.2	0.43	1.57	2.34	1.53	26

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



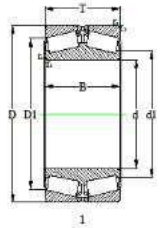


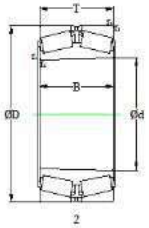


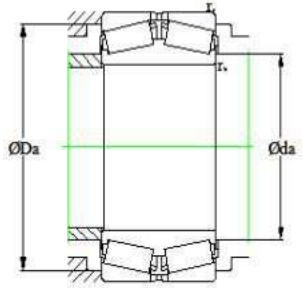
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
177.8	288.925	123.825	123.825	HM237546D/HM237510	1	191	266	1.6	3.2	0.32	2.1	3.2	2.1	30.5
	288.925	123.825	123.825	94706D/94113	1	192	261	1.6	3.2	0.47	1.4	2.1	1.4	32.1
	288.925	158.75	158.75	HM237546DD/HM237510	1	191	266	1.6	3.2	0.32	2.1	3.2	2.1	36.7
	288.925	158.75	158.75	94704D/94113	1	201	255	1.6	3.2	0.47	1.44	2.15	1.41	39.1
	298.45	123.825	123.825	94706D/94118	1	192	265	1.6	3.2	0.47	1.4	2.1	1.4	36.3
	298.45	158.75	158.75	94704D/94118	1	201	255	1.6	3.2	0.47	1.44	2.15	1.41	44.5
	304.8	114.3	109.438	EE280700D/281200	1	207.2	271.3	1.6	3.2	0.36	1.87	2.79	1.83	33.1
180.975	288.925	158.75	158.75	HM237549TD/HM237510	2	200.9	260.1	1.6	3.2	0.32	2.12	3.15	2.07	35.9
	288.925	158.75	158.75	94713TD/94113	2	201	255	1.6	3.2	0.47	1.44	2.15	1.41	38
	298.45	158.75	158.75	94713TD/94118	2	201	255	1.6	3.2	0.47	1.44	2.1	1.41	43.4
187.325	269.875	101.6	101.6	M238849D/M238810	1	206.4	245.5	1.6	3.2	0.33	2.03	3.02	1.98	19
	319.964	161.925	168.276	H239649D/H239610	1	209	293	3.2	4.8	0.32	2.12	3.15	2.07	53.7
	319.964	161.925	168.275	EE222074D/222126	1	211.9	280.4	3.2	4.8	0.4	1.68	2.5	1.64	53.8
	320.675	161.925	168.275	H239649D/H239612	1	204	292	3.2	4.8	0.32	2.1	3.2	2.1	51.2
	320.675	161.925	168.275	H239649D/H239612	1	211.3	286.3	3.2	4.8	0.32	2.12	3.15	2.07	51.9
	320.675	161.925	168.275	EE222074D/222128	1	211.9	280.4	3.2	4.8	0.4	1.68	2.5	1.64	54.3
190.5	317.5	133.35	133.35	93751D/93125	1	216	288	6.4	3.2	0.52	1.3	1.9	1.3	43
	317.5	133.35	142.875	93751D/93126	1	222.9	276.8	6.4	3.2	0.52	1.29	1.92	1.26	45
	365.049	152.4	158.75	EE420750D/421437	1	221	329	3.2	3.2	0.4	1.68	2.5	1.64	72.8
	365.049	152.4	158.75	EE420750TD/421437	2	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	77.2
	368.3	152.4	158.75	EE420750D/421450	1	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	79.4
	368.3	152.4	158.75	EE420750TD/421450	2	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	79.4
198.438	279.4	87.313	87.313	67980TD/67919	2	219.1	259.1	0.8	3.2	0.51	1.33	1.97	1.3	16.9
	282.575	87.313	87.313	67980TD/67920	2	219.1	259.1	0.8	3.2	0.51	1.33	1.97	1.3	17.8
199.975	317.5	133.35	133.35	93788D/93125	1	221	288	6.4	3.2	0.52	1.3	1.9	1.3	40
	317.5	133.35	142.875	93788D/93126	1	222.9	276.8	6.4	3.2	0.52	1.29	1.92	1.26	42
203.2	317.5	95.25	95.25	EE132081D/132125	1	235.4	285	3.2	3.2	0.31	2.15	3.21	2.11	28
	317.5	123.825	123.825	93800D/93125	1	222	286	1.6	3.2	0.52	1.29	1.92	1.26	36.3

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



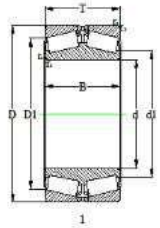


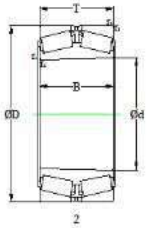


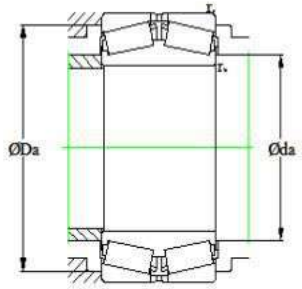
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
203.2	317.5	133.35	133.35	93801D/93125	1	222	288	6.4	3.2	0.52	1.3	1.9	1.3	39.1
	317.5	133.35	142.875	93801D/93126	1	222.9	276.8	6.4	3.2	0.52	1.29	1.92	1.26	41
	319.088	95.25	95.25	EE132081D/132127	1	235.4	285	3.2	3.2	0.31	2.15	3.21	2.11	28.6
	365.049	152.4	158.75	EE420800D/421437	1	229	332	3.2	3.2	0.42	1.6	2.4	1.6	68.5
	365.049	158.75	158.75	EE420801D/421437	1	237.5	317	3.2	3.2	0.4	1.68	2.5	1.64	73.1
	368.3	152.4	158.75	EE420800D/421450	1	238.7	317	3.2	3.2	0.4	1.68	2.5	1.64	74.8
	368.3	158.75	158.75	EE420801D/421450	1	237.5	317	3.2	3.2	0.4	1.68	2.5	1.64	75.4
206.375	279.4	87.313	87.313	67985D/67919	1	219.1	259.1	0.8	3.2	0.1	1.33	1.97	1.3	15.2
	282.575	87.313	87.313	67985D/67920	1	216	261	0.8	3.3	0.51	1.3	2	1.3	16.8
	336.55	184.15	180.975	H242649D/242610	1	222	306	1.5	3.3	0.33	2	3	2	64.2
	336.55	184.15	180.975	H242649TD/H242610	2	232.1	300.1	1.6	3.2	0.33	2.03	3.02	1.98	65.1
209.55	317.5	184.15	184.15	93826TD/93125	2	222.9	278.4	1.6	3.2	0.52	1.29	1.92	1.26	48.3
	317.5	184.15	193.675	93826TD/93126	2	222.9	276.8	1.6	3.2	0.52	1.29	1.92	1.26	50.2
210.769	400.05	212.725	158.75	EE430829TD/431575	2	250	344.6	3.2	3.2	0.44	1.54	2.29	1.5	98.7
214.975	285.75	92.075	85.725	LM742746TD/LM742710	2	226.2	265.2	1.6	3.2	0.48	1.4	2.09	1.37	15.3
	288.925	92.075	85.725	LM742746TD/LM742714	2	226.2	265.2	1.6	3.2	0.48	1.4	2.09	1.37	16.3
215.9	285.75	85.725	85.725	LM742749D/LM742710	1	229	266	0.8	3.2	0.48	1.4	2.09	1.37	14.8
	288.925	85.75	85.725	LM742749D/LM742714	1	228	265.2	0.8	3.2	0.48	1.4	2.09	1.37	15.8
	355 6	120 65	120 65	EE130850D/131400	1	260 5	319 2	1 6	1 6	0 33	2 04	3 04	2	50
216.103	330.02	142.875	152.4	9977D/9920	1	232	301	3.2	3.2	0.55	1.2	1.8	1.2	43.2
	330.2	127	130.175	9974D/9920	1	236.8	300.7	1.6	3.2	0.55	1.22	1.82	1.19	38.8
219.075	358.775	200.025	196.85	H244849D/H244810	1	236	323	1.6	6.4	0.33	2	3	2	77.8
	358.775	200.025	196.85	H244848TD/H244810	2	244.3	319.4	1.6	6.4	0.33	2.03	3.02	1.98	80.9
219.936	314.325	123.822	115.888	M244246TD/M244210	2	238.9	288.1	1.6	3.2	0.33	2.03	3.02	1.98	29.6
220.662	314.325	115.888	115.888	M244249D/M244210	1	233	292	1.6	3.2	0.33	2	3	2	29.6

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



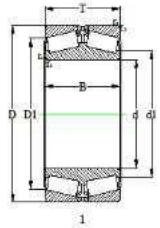


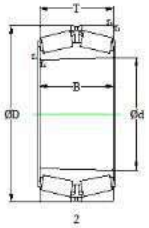


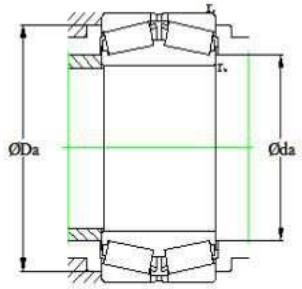
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
225.425	355.6	120.65	120.65	EE130887D/131400	1	260.5	319.2	5.6	1.6	0.33	2.04	3.04	2	46.8
	355.6	165.1	165.1	EE130888D/131400	1	251	329	8	1.5	0.33	2	3	2	57.7
228.6	327.025	93.663	93.663	8573TD/8520	2	255.5	299.9	1.6	3.2	0.41	1.66	2.47	1.62	25.9
	328.625	93.663	93.663	8573TD/8522	2	255.5	299.9	1.6	3.2	0.41	1.66	2.47	1.62	26.5
	355.6	120.65	120.65	EE130900D/131400	1	260.5	319.2	1.6	1.6	0.33	2.04	3.04	2	45.8
	355.6	120.65	120.65	EE130901D/131400	1	260.5	319.2	5.6	1.6	0.33	2.04	3.04	2	45.8
	355.6	165.1	165.1	EE130903D/131400	1	253	329	8	1.5	0.33	2	3	2	56.7
	400.05	139.7	139.7	EE529091D/529157	1	256	367	3.2	3.2	0.31	2.18	3.24	2.13	74.2
	400.05	161.925	158.75	EE430901D/431575	1	261.5	344.6	3.2	3.2	0.44	1.54	2.29	1.5	84.5
	425.45	165.1	177.8	EE700090D/700167	1	259	384	3	6.4	0.33	2	3	2	110
234.95	327.025	93.663	93.663	8576D/8520	1	248	304	1.6	3.2	0.41	1.7	2.5	1.6	24.4
	328.625	93.663	93.663	8576D/8522	1	255.5	299.9	1.6	3.2	0.41	1.66	2.47	1.62	24.8
	355.6	165.1	158.75	EE130926TD/131400	2	259.4	319.2	1.6	1.6	0.33	2.04	3.04	2	54.2
	355.6	184.15	184.15	EE130927TD/131400	2	260.5	319.2	1.6	1.6	0.33	2.04	3.04	2	60.4
	384.175	209.55	209.55	H247549D/H247510	1	251	344	1.6	6.4	0.33	2	3	2	95.8
241.224	349.148	107.95	107.95	EE127094D/127135	1	267.2	319.1	1.6	3.2	0.35	1.91	2.84	1.86	34
	350.838	107.95	107.95	EE127094D/127137	1	267.2	319.1	1.6	3.2	0.35	1.91	2.84	1.86	34.8
	355.498	107.95	107.95	EE127094D/127138	1	267.2	319.1	1.6	3.2	0.35	1.91	2.84	1.86	36.9
	355.6	107.95	107.95	EE127094D/127140	1	257	328	1.6	3.2	0.35	1.9	2.8	1.9	36.9
241.3	355.6	92.862	92.71	EE170951D/171400	1	277.7	327.8	1.6	3.2	0.36	1.86	2.77	1.82	32.6
	365.049	92.862	92.71	EE170951D/171436	1	277.7	327.8	1.6	3.2	0.36	1.86	2.77	1.82	36.5
	368.3	92.862	92.71	EE170951D/171450	1	277.7	327.8	1.6	3.2	0.36	1.86	2.77	1.82	37.8
241.478	349.148	107.95	107.95	EE127097D/127135	1	257	325	1.6	3.2	0.35	1.9	2.8	1.9	33.8
	350.838	107.95	107.95	EE127097D/127137	1	267.2	319.1	1.6	3.2	0.35	1.91	2.84	1.86	34.7
	355.498	107.95	107.95	EE127097D/127138	1	267.2	319.1	1.6	3.2	0.35	1.91	2.84	1.86	36.9
	355.6	107.95	107.95	EE127097D/127140	1	267.2	319.1	1.6	3.2	0.35	1.91	2.84	1.86	36.9
244.475	327.025	92.075	92.075	LM247748D/LM247710	1	256	306	1.6	3.2	0.49	1.4	2.1	1.4	21.6
	381	146.05	146.05	EE126096D/126150	1	269	343	3.2	4.8	0.52	1.31	1.95	1.28	61.4

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



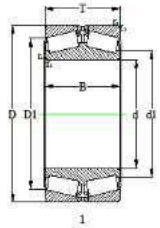


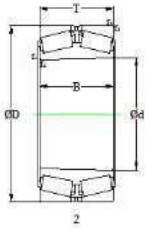


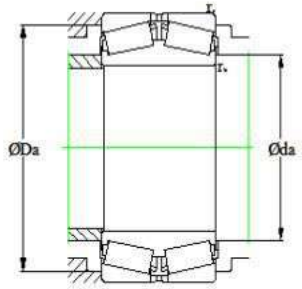
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
247.65	400.05	114.3	119.06	EE220975D/221575	1	291.8	359.1	1.6	6.4	0.39	1.71	2.54	1.67	56.4
	400.05	192.088	196.848	EE220977TD/221575	2	291.8	359.1	3.2	6.4	0.39	1.71	2.54	1.67	86.1
	406.4	219.075	215.9	HH249949D/HH249910	1	268	366	3.2	6.4	0.33	2	3	2	115
250.825	422.275	139.7	152.4	HM252340D/HM252310	1	305.3	384.3	3.6	3.2	0.33	2.03	3.02	1.98	83
	431.724	139.7	145.258	HM252340D/HM252315	1	305.3	384.5	3.6	3.6	0.33	2.03	3.02	1.98	88.5
252.413	358.775	139.7	130.175	M249746TD/M249710	2	274.8	330.1	1.6	3.2	0.33	2.03	3.02	1.98	43.5
254	355.6	92.862	92.71	EE171000D/171400	1	266	331	1.6	3.2	0.36	1.9	2.8	1.8	27.1
	358.775	130.175	130.175	M249748D/M249710	1	269	335	3.2	3.2	0.33	2	3	2	42
	365.049	92.862	92.71	EE171000D/171436	1	277.7	327.8	1.6	3.2	0.36	1.86	2.77	1.82	32.9
	368.3	92.862	92.71	EE171000D/171450	1	269	340	1.6	3.2	0.36	1.85	2.76	1.81	32.5
	422.275	139.7	152.4	HM252343D/HM252310	1	305.3	384.3	3.6	3.2	0.33	2.03	3.02	1.98	81.6
	422.275	139.7	152.4	HM252344D/HM252310	1	305.3	384.3	3.6	3.2	0.33	2.03	3.02	1.98	81.6
	422.275	152.4	152.4	HM252342D/HM252310	1	303	384.3	6.7	3.2	0.33	2.03	3.02	1.98	83.7
	431.724	139.7	145.258	HM252343D/HM252315	1	305.3	384.5	3.6	3.6	0.33	2.03	3.02	1.98	87.1
	431.724	152.4	145.258	HM252342D/HM252315	1	303	384.5	6.7	3.6	0.33	2.03	3.02	1.98	89.2
	438.15	165.1	165.1	738101D/738172	1	283	400	3.2	6.4	0.36	1.9	2.8	1.8	107
	444.5	133.35	133.35	EE82101D/822175	1	283	400	3.2	6.4	0.36	1.9	2.8	1.8	107
260.35	365.125	107.95	107.95	EE134102D/134143	1	277	339	3.3	6.4	0.37	1.8	2.7	1.8	34.4
	368.3	107.95	107.95	EE134102D/134145	1	282.9	334.7	3.2	6.4	0.37	1.8	2.69	1.76	35.9
	400.05	114.3	119.06	EE221025D/221575	1	290	366	6.4	6.4	0.39	1.71	2.54	1.67	52
	422.275	139.7	152.4	HM252347D/HM252310	1	305.3	384.3	3.6	3.2	0.33	2.03	3.02	1.98	78.8
	422.275	152.4	155.575	HM252348D/HM252310	1	303.6	384.3	6.4	3.2	0.33	2.03	3.02	1.98	81.5
	422.275	152.4	155.575	HM252349D/HM252310	1	303.6	384.3	6.4	3.2	0.33	2.03	3.02	1.98	81.5
	422.275	180.975	152.4	HM252348DD/HM252310	1	298	384.3	9.5	3.2	0.33	2.03	3.02	1.98	84.5
	431.724	139.7	145.258	HM252347D/HM252315	1	305.3	384.5	3.6	3.6	0.33	2.03	3.02	1.98	84.3
	431.724	152.4	148.433	HM252349D/HM252315	1	303.6	384.5	6.4	3.6	0.33	2.03	3.02	1.98	87.1
	431.724	180.975	145.258	HM252348D/HM252315	1	298	384.5	9.5	3.6	0.33	2.03	3.02	1.98	90

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)







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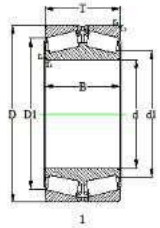
基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
260.35	444.5	196.85	196.85	823103D/823175	1	292.8	396.6	6.4	3.2	0.55	1.24	1.84	1.21	125
263.525	400.05	196.848	192.088	EE221039TD/221575	2	291.8	359.1	1.6	6	0.39	1.71	2.54	1.67	76.7
264.98	381	146.05	136.525	M252345TD/M252310	2	289.1	350.8	3.2	3.2	0.33	2.03	3.02	1.98	51.4
266.7	355.6	109.538	107.95	LM451349D/LM451310	2	281	335	1.6	3.2	0.36	1.87	2.79	1.83	29.9
	355.6	109.538	107.95	LM451349TD/LM451310	1	284.1	332	1.6	3.2	0.36	1.87	2.79	1.83	29.5
	357.2	109.538	107.95	LM451349D/LM451312	1	284.1	332	1.6	3.2	0.36	1.87	2.79	1.83	30.2
	357.2	109.538	107.95	LM451349TD/LM451312	2	284.1	332	1.6	3.2	0.36	1.87	2.79	1.83	30.2
	393.7	130.175	130.175	EE275106D/275155	1	309	364.4	3.2	6.4	0.4	1.68	2.5	1.64	55.3
	403.225	130.175	122.24	EE275106D/275158	1	309	365.4	3.2	6.4	0.4	1.68	2.5	1.64	59.4
	406.4	130.175	122.24	EE275106D/275160	1	309	365.4	3.2	6.4	0.4	1.68	2.5	1.64	61.3
269.875	381	136.525	136.525	M252349D/M252310	1	287	356	3.2	3.2	0.33	2	3	2	48.6
	381	136.525	136.525	M252349TD/M252310	2	290.9	350.8	1.6	3.2	0.33	2.03	3.02	1.98	48.5
276.225	393.7	130.175	130.175	EE275109D/275155	1	294	366	1.6	6.4	0.4	1.68	2.5	1.64	50.5
	403.225	130.175	122.24	EE275109D/275158	1	309	365.4	1.6	6.4	0.4	1.68	2.5	1.64	55.3
	406.4	130.175	122.24	EE275109D/275160	1	309	365.4	1.6	6.4	0.4	1.68	2.5	1.64	57.2
279.4	393.7	127	127	EE135111D/135155	1	297	368	1.6	6.4	0.4	1.68	2.5	1.64	48.1
	457.2	244.475	244.475	HH255149D/HH255110	1	309	412	1.6	6.4	0.33	2.03	3.02	1.98	158
	469.9	166.688	169.862	EE722111D/722185	1	313	431	6.4	3.3	0.38	1.8	2.7	1.7	119
	469.9	184.15	169.863	EE722112D/722185	1	324.9	412.5	9.5	3.2	0.38	1.79	2.67	1.75	123
	495.3	134.938	137.952	EE941106D/941950	1	349.3	440.5	1.6	3.2	0.4	1.68	2.5	1.64	114
279.578	380.898	117.475	117.475	LM654645D/LM654610	1	296	355	1.6	3.2	0.43	1.6	2.3	1.5	41
280	406.4	206.375	206.375	EE128113TD/128160	2	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	85.1
	406.4	206.375	206.375	EE128113D/128160	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	81.4
	406.4	206.375	206.375	EE128114D/128160	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	81.4
	409.981	206.375	206.375	EE128113TD/128161	2	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	81.4

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



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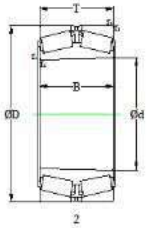

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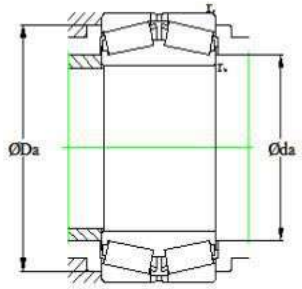
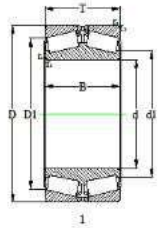
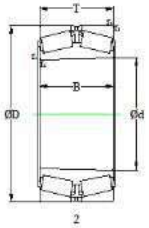
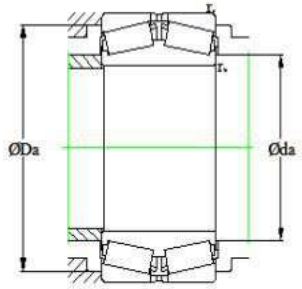


基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
280	409.981	206.375	206.375	EE128113D/128161	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	85.1
	409.981	206.375	206.375	EE128114D/128161	1	307.1	368.9	3.2	3.2	0.39	1.75	2.61	1.71	85.1
285.75	380.898	117.475	117.475	LM654648D/LM654610	1	300	355	1.6	3.2	0.43	1.6	2.3	1.5	38.5
	469.9	142.875	138.928	EE921126D/921850	1	333.5	429	1.6	3.2	0.29	2.31	3.44	2.26	97.5
	476.25	142.875	138.928	EE921126D/921875	1	333.5	429	1.6	3.2	0.29	2.31	3.44	2.26	103
288.925	406.4	144.463	144.463	M255449D/M255410	1	310	379	3.2	3.2	0.34	2	2.98	1.96	58.1
	406.4	144.463	144.463	M255449TD/M255410	2	315.6	373.9	3.2	3.2	0.34	2	2.97	1.95	61.4
292.1	422.275	130.175	130.175	EE330116D/330166	1	321	387.9	6.4	3.2	0.32	2.11	3.14	2.06	59.9
	558.8	285.75	285.75	EE790117D/790221	1	359.8	487.9	3.2	6.4	0.4	1.71	2.54	1.67	318
295.275	406.4	203.2	203.2	LM757043TD/LM757010	2	319.5	376.1	1.6	3.2	0.44	1.53	2.28	1.49	69.4
297.523	422.275	160.338	150.813	HM256846TD/HM256810	2	322.1	388.3	3.2	3.2	0.34	2	2.98	1.96	68.5
298.45	438.048	131.763	131.763	EE329118D/329172	1	336.6	399.7	3.2	3.2	0.33	2.04	3.04	2	68.9
	444.5	107.95	111.125	EE291176D/291749	1	344	403.5	7.9	3.2	0.38	1.79	2.66	1.75	61.1
	444.5	107.95	111.125	EE291176D/291750	1	344	403.5	7.9	1.6	0.38	1.79	2.66	1.75	61.2
299.974	438.048	134.938	133.35	EE129119D/129172	1	338.1	400.5	3.2	4.8	0.4	1.68	2.5	1.64	68.7
300.038	422.275	150.812	150.812	HM256849D/HM256810	1	318	395	3.2	3.2	0.34	2	3	2	66.7
	422.275	150.812	150.812	HM256849DA/HM256810	1	318	395	6.4	3.2	0.34	2	3	2	66.7
303.213	495.3	263.525	263.525	HH2568249D/HH2568210	1	341.5	441.7	3.2	6.4	0.33	2	3	2	212
	495.3	263.525	263.525	HH258249TD/HH258210	2	341.5	441.7	3.2	6.4	0.33	2.03	3.02	1.98	207
304.648	438.048	128.588	138.113	M757447D/M757410	1	332.3	403.8	3.2	4.8	0.47	1.44	2.15	1.41	64.8
	438.048	131.762	131.762	EE329117D/329172	1	324	408	3.2	3.2	0.33	2	3	2	66.3
	438.048	134.938	133.35	EE129121D/129172	1	325	407	3.2	4.8	0.42	1.6	2.4	1.6	65.6
	438.048	134.938	138.113	M757447DE/M757410	1	330.6	403.8	3.2	4.8	0.47	1.44	2.15	1.41	65.5
304.8	419.1	130.175	130.175	M257149D/M257110	1	322	392	1.6	6.4	0.33	2.03	3.02	1.98	53.1
	431.8	98.425	120.65	EE111201D/111700	1	331.5	392.3	3.2	3.2	0.44	1.54	2.29	1.5	51.8

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



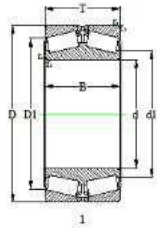




1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
304.8	438.15	98.425	120.65	EE111201D/111725	1	331.5	392.3	3.2	3.2	0.44	1.54	2.29	1.5	55.9
	444.5	107.95	111.125	EE291200D/291749	1	337	416	7.9	3.2	0.38	1.78	2.65	1.74	55.7
	495.3	134.938	137.952	EE941206D/941950	1	329	455	1.5	3.2	0.4	1.7	2.5	1.7	103
	495.3	165.1	171.45	EE724121D/724195	1	354.5	438.7	3.2	6.4	0.4	1.68	2.5	1.64	130
	558.8	285.75	285.75	EE790119D/790221	1	341	506	3.2	6.4	0.39	1.7	2.5	1.7	307
304.902	412.648	128.588	128.588	M257248D/M257210	1	325	388	3.2	3.2	0.32	2.12	3.15	2.07	49
	438.048	212.725	196.85	EE129124D/129172	1	334.8	400.5	3.2	4.8	0.4	1.68	2.5	1.64	93.5
305	438.048	134.145	138.112	M757449D/M757410	1	328	407	4	4	0.47	1.43	2.12	1.4	65.3
305.003	438.048	134.938	133.35	EE129123D/129172	1	325	407	3.3	4.8	0.42	1.6	2.4	1.6	65.4
305.054	500	200	200	HM858548D/HM858511	1	333	457	3.2	6.4	0.33	2	3	2	164
317.5	422.275	128.588	128.588	LM258649D/LM258610	1	333	399	1.5	1.5	0.33	2.1	3.1	2	49.7
	447.675	158.75	158.75	HM259049D/HM259010	1	335	418	3.3	3.3	0.33	2	3	2	79.6
327.025	482.6	147.638	152.4	EE526129D/526190	1	362	438.9	1.6	3.2	0.39	1.73	2.57	1.69	94.3
330.2	482.6	147.638	152.4	EE526131D/526190	1	362	43.9	1.6	3.2	0.39	1.73	2.57	1.69	92.4
333.375	469.9	166.688	166.688	HM261049D/HM261010	1	352	440	3.3	3.3	0.33	2	3	2	91.4
	469.9	166.688	166.688	HM261049TD/HM261010	2	359.8	432.9	3.2	3.2	0.33	2.02	3	1.97	92.8
	523.875	185.738	185.738	HM265032TD/HM265010	2	402.5	483.6	3.2	6.4	0.33	2.03	3.02	1.98	138
342.9	533.4	146.05	139.7	EE971355D/972100	1	372	497	3.2	3.2	0.33	2	3	2	114
	571.5	163.512	163.512	EE536136D/536225	1	381	529	3.2	6.4	0.33	2	3	2	172
343.052	457.098	122.238	122.238	LM761649D/LM761610	1	361	432	1.5	3.2	0.48	1.4	2.1	1.4	54
344.091	488.95	184.15	174.625	HM262746TD/HM262710	2	375.3	450	3.2	3.2	0.33	2.02	3	1.97	108
346.075	469.9	95.25	104.775	EE161362D/161850	1	384.6	440.7	1.6	6.4	0.5	1.35	2.01	1.32	50.7
	482.6	95.25	104.775	EE161362D/161900	1	384.6	440.7	1.6	6.4	0.5	1.35	2.01	1.32	58.4
	488.95	95.25	104.775	EE161362D/161925	1	384.6	440.7	1.6	6.4	0.5	1.35	2	1.3	62

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)



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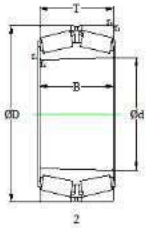

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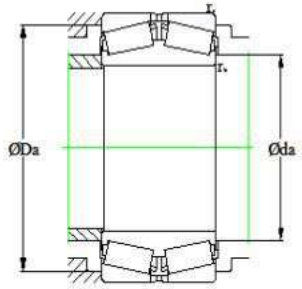
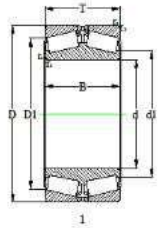
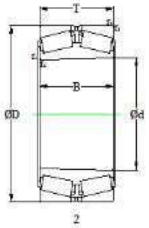
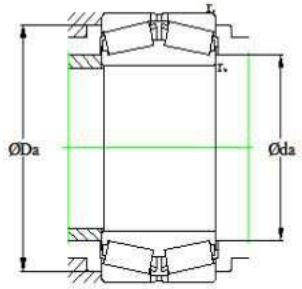


基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
346.075	488.95	174.625	174.625	HM262749D/HM262710	1	366	457	3.2	3.2	0.33	2	3	2	104
	488.95	174.625	174.625	HM262749TD/HM262710	2	377.1	450	3.2	3.2	0.33	2.02	3	1.97	105
347.663	469.9	138.112	138.112	M262449D/M262410	1	369	443	3.2	3.2	0.33	2.03	3.02	1.98	68
	469.9	228.6	228.601	M262448TD/M262410	2	373.7	436.7	3.2	3.2	0.33	2.03	3.02	1.98	93.7
355.6	444.5	114.3	112.713	L163149D/L163110	1	369	423	1.6	3.2	0.31	2.2	3.3	2.1	41
	457.2	120.65	120.65	LM263149D/LM263110	1	370	435	1.6	3.2	0.32	2.1	3.2	2.1	50.5
	482.6	128.588	133.35	LM763449D/LM763410	1	375	453	1.6	3.2	0.47	1.43	2.14	1.4	67.4
	488.95	153.988	153.988	M263349D/M263310	1	374	459	1.6	3.2	0.33	2.03	3.02	1.98	85.4
	501.65	111.125	127	EE231401D/231975	1	382	472	1.6	3.2	0.44	1.53	2.28	1.5	75.3
	514.35	111.125	127	EE231401D/232025	1	404.5	465.8	3.2	3.2	0.44	1.53	2.28	1.5	85.3
356.387	469.9	101.6	104.75	EE161403D/161850	1	382.7	440.7	1.6	6.4	0.5	1.35	2.01	1.32	47.3
	482.6	101.6	104.75	EE161403D/161900	1	382.7	440.7	1.6	6.4	0.5	1.35	2.01	1.32	55
	488.95	101.6	104.75	EE161403D/161925	1	382.7	440.7	1.6	6.4	0.5	1.35	2.01	1.32	58.9
368.3	523.875	185.738	185.738	HM265049D/HM265010	1	390	487	3.3	6.4	0.33	2	3	2	135
	523.875	185.738	185.738	HM265049TD/HM265010	1	402.5	483.6	3.2	6.4	0.33	2.03	3.02	1.98	110
	596.9	158.75	165.1	EE181454D/182350	1	470.6	535	6.4	6.4	0.4	1.7	2.5	1.6	188
	609.6	279.4	254	EE321146D/321240	1	415.2	545	3.2	6.4	0.36	1.9	2.83	1.86	303
	622.3	279.4	254	EE321146D/321245	1	415.2	545	3.2	6.4	0.36	1.9	2.83	1.86	327
374.574	546.1	193.675	193.675	HM266445D/HM266410	1	402	508	3.2	6.4	0.33	2	3	2	159
381.264	546.1	193.675	206.375	HM266446TD/HM266410	2	415.3	505	3.2	6.4	0.33	2.03	3.02	1.98	159
384.175	546.1	193.675	193.675	HM266449D/HM266410	1	407	508	3.3	6.4	0.33	2	3	2	150
	546.1	193.675	193.675	HM266449TD/HM266410	2	417.7	505	3.2	6.4	0.33	2.03	3.02	1.98	155
393.7	546.1	120.65	141.288	EE234157D/234215	1	419	507	3.2	6.4	0.48	1.4	2.1	1.4	92.2
	546.1	138.113	138.113	LM767745D/LM767710	1	418	510	1.6	6.4	0.48	1.42	2.11	1.38	97.4
	558.8	120.65	119.063	EE234157D/234220	1	436.4	505	3.2	6.4	0.48	1.42	2.11	1.39	97.2
400.05	609.6	142.875	157.163	EE911576D/912400	1	462	555	3.6	6.4	0.38	1.76	2.62	1.72	161

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)





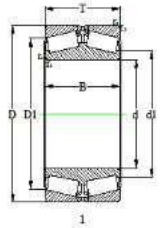


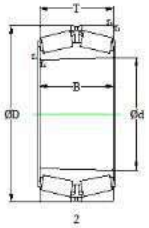
1

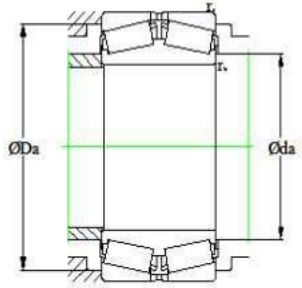
基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
406.4	546.1	120.65	141.288	EE234161D/234215	1	423	507	1.6	6.4	0.48	1.4	2.1	1.4	84.7
	546.1	138.113	138.113	LM767749D/LM767710	1	434.5	510	1.6	6.4	0.48	1.42	2.11	1.39	90.5
	558.8	120.65	119.063	EE234161D/234220	1	436.4	50	1.6	6.4	0.48	1.42	2.11	1.39	89.8
	574.675	114.3	130.967	EE285161D/285226	1	446.1	520	3.2	3.2	0.5	1.35	2.01	1.32	105
	590.55	209.55	209.55	M268743TD/M268710	2	455.6	545	3.2	6.4	0.33	2.03	3.02	1.98	199
	609.6	149.225	157.163	EE911603D/912400	1	460.7	555	3.6	6.4	0.38	1.76	2.62	1.72	158
	622.3	155.575	152.705	EE261602D/262450	1	467.7	570	3.6	6.7	0.38	1.76	2.62	1.72	169
	635	155.575	152.705	EE261602D/262500	1	467.7	570	3.6	6.7	0.38	1.76	2.62	1.72	184
406.476	673.049	195.262	195.262	EE623161D/623265	1	448	620	3.2	6.4	0.36	1.9	2.8	1.8	292
409.575	546.1	161.925	161.925	M667947D/M667911	1	431	510	1.6	6.4	0.43	1.6	2.3	1.6	110
413.677	590.55	225.425	209.55	M268746TD/M268710	2	452.6	545	3.2	6.4	0.33	2.03	3.02	1.98	195
415.925	590.55	209.55	209.55	M268749D/M268710	1	444	549	3.2	6.4	0.33	2.03	3.02	1.98	181
	590.55	209.55	209.55	M268749TD/M268710	2	455.6	545	3.2	6.4	0.33	2.03	3.02	1.98	189
419.1	622.3	155.575	152.705	EE261650D/262450	1	452	580	3.6	6.7	0.38	1.8	2.6	1.7	168
	635	155.575	152.705	EE261650D/262500	1	467.7	570	3.6	6.7	0.38	1.76	2.62	1.72	174
419.227	736.448	406.4	406.4	EE323166D/323290	1	463	662	6.4	6.4	0.37	1.8	2.7	1.8	775
425.45	685.698	253.873	254	EE328167D/328269	1	482.4	620	6.4	6.4	0.4	1.68	2.5	1.64	367
426.89	635	231.775	223.838	M270737TD/M270710	2	489	585	3.2	6.4	0.33	2.03	3.02	1.98	261
431.8	571.5	130.175	133.35	EE239171D/239225	1	450	542	1.6	3.2	0.38	1.8	2.6	1.7	92
	571.5	133.35	136.526	LM869449D/LM869410	1	453	537	1.6	3.2	0.55	1.24	1.84	1.21	92.1
	571.5	161.925	161.925	LM769349D/LM769310	1	453	534	6.4	3.2	0.44	1.52	2.26	1.49	112
	635	173.038	173.038	EE931170D/931250	1	468	595	6.4	6.4	0.32	2.1	3.1	2.1	193
431.902	685.698	253.873	254	EE328172D/328269	1	482.4	620	6.4	6.4	0.4	1.68	2.5	1.64	359

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)

WSW



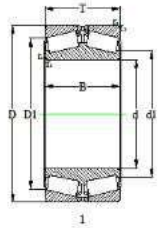


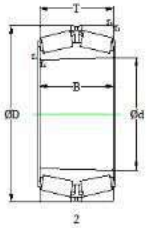


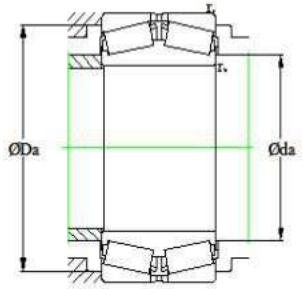
1

基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
432.003	609.524	152.4	152.4	EE736173D/736238	1	472.1	565	3.6	6.4	0.35	1.95	2.9	1.91	135
	609.524	152.4	161.925	EE736173D/736237	1	472.1	560	3.6	6.4	0.35	1.95	2.9	1.91	139
442.674	635	239.713	23.838	M270746TD/M270710	2	487.5	585	3.2	6.4	0.33	2.03	3.02	1.98	244
446.204	635	223.838	231.775	M270747TD/M270710	2	489	585	3.2	6.4	0.33	2.03	3.02	1.98	237
447.675	635	223.838	223.838	M270749D/M270710	1	475	591	3.2	6.4	0.33	2	3	2	232
	635	223.838	223.838	M270749TD/M270710	2	490.5	585	3.2	6.4	0.33	2.03	3.02	1.98	234
457.073	730.148	196.85	203.2	EE671798D/672873	1	515	660	1.6	6.4	0.39	1.72	2.57	1.69	315
	749.3	412.75	419.1	EE925179D/925295	1	497	686	3.2	6.4	0.31	2.2	3.3	2.2	760
457.2	596.9	130.175	133.35	EE244181D/244235	1	475	565	1.6	3.2	0.4	1.7	2.5	1.6	96.9
	596.9	133.35	136.525	L770849D/L770810	1	476	566	1.6	3.2	0.47	1.4	2.1	1.4	98.9
	660.4	155.575	155.572	EE737179D/737260	1	500	600	3.2	6.4	0.37	1.8	2.69	1.76	175
457.403	730.148	196.85	203.2	EE671802D/672873	1	515	660	1.6	6.4	0.39	1.72	2.57	1.69	315
477.441	679.45	257.175	238.125	M272746TD/M272710	2	520	630	3.2	6.4	0.33	2.03	3.02	1.98	285
479.425	679.45	238.125	238.125	M272749TD/M272710	2	520	630	3.2	6.4	0.33	2.03	3.02	1.98	277
	679.45	238.125	238.125	M272749D/M272710	1	506	635	3.3	6.4	0.34	2	3	1.9	290
482.6	647.7	201.612	201.612	M272647D/M272610	1	510	609	3.2	6.4	0.33	2.03	3.02	1.98	185
489.026	634.873	152.4	152.4	EE243193D/243250	1	525	595	3.2	3.2	0.35	1.9	2.9	1.8	130
	634.873	153.988	153.988	LM772749D/LM772710	1	508	602	3.2	3.2	0.47	1.4	2.1	1.4	125
501.65	711.2	250.825	250.825	M274149D/M274110	1	534	663	3.2	6.4	0.33	2.03	3.02	1.98	314
	711.2	250.825	250.825	M274149TD/M274110	2	545	655	3.2	6.4	0.33	2.03	3.02	1.98	323
505.181	838.2	266.7	266.7	EE426198D/426330	1	580	755	6.4	9.5	0.48	1.41	2.1	1.38	590
508	762	219.075	219.075	EE531201D/531300	1	551	710	6.4	6.4	0.38	1.8	2.6	1.7	370
	838.2	266.7	266.7	EE426201D/426330	1	580	755	6.4	9.5	0.48	1.41	2.1	1.38	585

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)





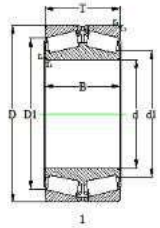


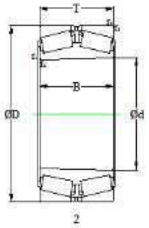
1

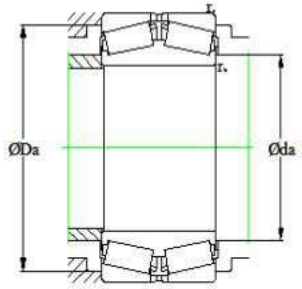
基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
509.588	838.2	266.7	266.7	EE426203D/426330	1	580	755	6.4	9.5	0.48	1.41	2.1	1.38	582
514.35	673.1	203.2	203.2	LM274449D/LM274410	1	540	636	3.2	6.4	0.33	2.03	3.02	1.98	189
517.657	736.6	277.813	258.763	M275346TD/M275310	2	560	680	3.2	6.4	0.33	2.03	3.02	1.98	369
519.113	736.6	258.763	258.763	M275349D/M275310	1	550	687	3.2	6.4	0.33	2	3	2	363
	736.6	258.763	258.763	M275349TD/M275310	2	560	680	3.2	6.4	0.33	2.03	3.02	1.98	361
534.723	761.873	288.925	269.875	M276446TD/M276410	2	570	700	3.2	6.4	0.33	2.03	3.02	1.98	409
536.575	761.873	269.875	269.875	M276449D/M276410	1	567	710	3.2	6.4	0.33	2	3	2	409
539.75	784.225	161.925	165.1	EE522126D/523087	1	595	715	3.2	6.4	0.48	1.42	2.11	1.39	261
558.8	736.6	155.575	155.575	EE843220D/843290	1	585	699	3.2	6.4	0.34	1.98	2.94	1.93	177
	736.6	196.85	196.85	LM377449D/LM377410	1	583	696	3.2	6.4	0.35	1.9	2.9	1.9	237
571.5	812.8	285.75	285.75	M278749D/M278710	1	603	759	3.2	6.4	0.33	2	3	2	502
584.2	762	188.912	193.675	LM778549D/LM778510G2	1	615	717	3.2	6.4	0.47	1.43	2.14	1.4	223
595.313	844.55	296.863	296.863	M280049D/M280010	1	630	790	3.2	6.4	0.33	2	3	2	558
609.6	787.4	171.45	171.45	EE649241D/649310	1	634	749	3.2	6.4	0.37	1.8	2.7	1.8	216
	812.8	190.5	190	EE743241D/743320	1	660	755	3.2	6.4	0.33	2.06	3.06	2.01	271
	863.6	317.5	317.5	M280349D/M280310G2	1	648	807	3.2	6.4	0.33	2.03	3.02	1.98	585
635	901.7	317.5	317.5	M281049D/M281010	1	675	843	3.2	6.4	0.33	2.03	3.02	1.98	641
657.225	933.45	328.612	328.612	M281649D/M281610G2	1	699	870	3.2	6.4	0.33	2.03	3.02	1.98	711
660.4	812.8	176.212	176.212	L281149D/L281110G2	1	684	789	3.2	6.4	0.33	2	3	2	195
679.45	901.7	265.112	265.112	LM281849D/LM281810G2	1	714	852	3.2	6.4	0.33	2.03	3.02	1.98	459
685.8	876.3	168.275	171.45	EE655271D/655345G2	1	717	831	3.2	6.4	0.42	1.61	2.4	1.58	247

Double-row Taper Roller Bearing with Double Outer Ring
(Inch Series)

WSW







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基本尺寸(mm) Boundary Dimensions				轴承型号 Bearing Numbers	结构 Design	相关安装尺寸(mm) Abutment and Fillet Dimensions				计算系数 Calculation Factors				质量(mm) Mass 参考 Refer.
d	D	T	B			$d_{a\,min}$	$D_{b\,max}$	$r_{b\,max}$	$r_{a\,max}$	e	Y_1	Y_2	Y_0	
708.25	930.275	273.05	273.05	LM282549D/LM282510	1	741	879	3.2	6.4	0.33	2.03	3.02	1.98	490
711.2	914.4	149.225	149.225	EE755281D/755360	1	744	873	3.2	6.4	0.38	1.77	2.64	1.73	243
714.375	1016	339.725	339.725	M383240D/M383210	1	756	953	3.2	6.4	0.35	1.9	2.9	1.9	924
730.25	1035.05	365.125	365.125	M283449D/M283410	1	790	960	3.2	6.4	0.33	2.03	3.02	1.98	1000
749.3	990.6	293	293	LM283649D/LM283610	1	786	936	3.2	6.4	0.33	2.03	3.02	1.98	606
762	1066.8	352.425	365.125	M284148D/M284111	1	819	996	3.2	6.4	0.33	2.03	3.02	1.98	968
762	1079.5	381	381	M284249D/M284210	1	810	1005	4.8	12.7	0.33	2.03	3.02	1.98	1097
825.5	1168.4	409.575	409.575	M285848D/M285810	1	890	1090	4.8	12.7	0.33	2.03	3.02	1.98	1440
863.6	1130.3	323.85	323.85	LM286249D/LM286210	1	901	1067	4.8	12.7	0.33	2	3	2	915
863.6	1219.2	425.45	438.15	EE547341D/547480	1	918	1135	4.8	12.7	0.33	2.03	3.02	1.98	1552
901.7	1295.4	438.15	450.85	634356D/634510	1	936	1190	4.8	12.7	0.35	1.9	2.9	1.8	2000
938.212	1270	400.05	400.05	LM3287649D/LM287610	1	990	1190	4.8	12.7	0.33	2.03	3.02	1.98	1444
939.8	1333.5	463.55	463.55	LM287849D/LM287810	1	996	1246	4.8	12.7	0.33	2	3	2	2170

Double-row Taper Roller Bearing with Double Outer Ring and Big Cone Angle

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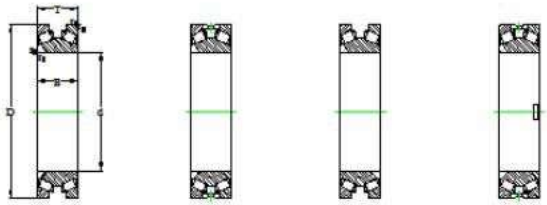
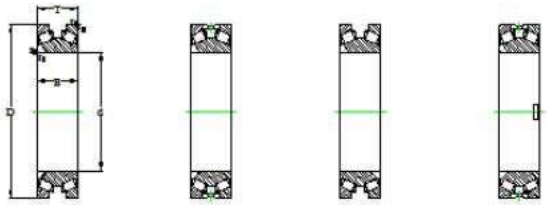


基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		Calculation Factors				质量(kg) Mass	相当于国外		
								新代号	旧代号					参考			
d	D	B	T	r1.2min	r3.4min	Cr	Cor	New	Old	e	Y_1	Y_2	Y_0	Refer.	SKF	KOYO	NSK
100	250	120	120	3	2.5	800	1120	100TDI250-2		0.71	0.95	1.4	0.93	29.2		45T202512	100KDH2102+K
110	240	118	118	3	1	750	1080	110TDI240-1		0.81	0.83	1.2	0.81	24.6		45T222412	110KDH2401+K
120	220	110	110	2.5	1	669	1090	120TDI220-1		0.7	0.97	1.44	0.94	16		45T242211A	
	230	120	120	2	1	725	1290	120TDI230-1		0.8	0.85	1.3	0.83	23.3			120KDH2601+K
	260	130	130	3	1	875	1340	120TDI260-1		0.81	0.83	1.2	0.81	32.8			120KDH2601+K
125	230	100	108	2.5	1.5	645	1060	125TDI230-1		0.74	0.92	1.4	0.9	18.5			125KDH2301+K
	305	167	180	sp	6	1360	2120	125TDI305-1		0.73	0.93	1.38	0.91	60		45T253018	
	305	180	180	3	4	1270	2020	125TDI305-2		0.73	0.93	1.4	0.91	64.9			125KDH3001+K
130	330	200	200	5	2.5	1750	2910	130TDI330-1		0.73	0.93	1.38	0.91	80		45T1633	
140	300	154	70	1.3	4	1099	1842		187328	0.83	0.818	1.22	0.8	50.3			
	305	160	160	5	1.5	1160	1850	140TDI305-1		0.73	0.92	1.37	0.9	58.1			
	310	164	180	4	1.5	1370	2080	140TDI310-1		0.81	0.83	1.23	0.81	62.7		45T283118	
150	320	144	144	4	5	1110	1750	150TDI320-1		0.89	0.76	1.1	0.74	53.4		45T30330D/144	150KDH3201+K
	340	175	180	5	2.5	1450	2310	150TDI340-1		0.81	0.84	1.25	0.82	80		45T3034	
	380	235	235	5	2.5	2320	4000	150TDI380-1		0.81	0.83	1.23	0.81	142			
160	260	130	130	3	1.5	880	1740	160TDI260-1		0.62	1.09	1.62	1.06	26.9			
170	300	100	100	3	2.5	845	1450	170TDI300-1		0.7	0.97	1.44	0.94	30.2			
	360	144	144	4	2.5	1110	2130	170TDI360-1		1.1	0.64	0.95	0.62	72.6			170KDH3605+K
	360	144	160	4	2.5	1160	1840	170TDI360-2		1.1	0.62	0.92	0.61	70.7		45T343616A	170KDH3602+K
180	320	104	104	4	4	795	1350	180TDI320-1		0.74	0.92	1.4	0.9	34.8		45T363210	180KDH3201+K
	330	190	190	5	1.5	1610	3200	180TDI330-1		0.58	1.2	1.7	1.1	72.6			180KDH3301+K
	380	158	158	3	4	1380	1980	180TDI380-1		0.81	0.83	1.23	0.81	87.6			
	400	232	232	4	4	2090	3600	180TDI400-1		0.81	0.83	1.23	0.81	146.5		45T3640	
190	320	104	104	3	3	815	1410	190TDI320-1		0.76	0.88	1.3	0.86	32.3		45T383210	190KDH3201+K
	320	114	114	4	2.5	881	1570	190TDI320-2		0.87	0.78	1.16	0.76	33		45T383211A	
	350	135	135	3	3	1130	1950	190TDI350-1		0.81	0.83	1.23	0.81	57.7			
200	360	170	170	4	1.5	1300	2360	200TDI360-1		0.97	0.7	1	0.68	72.7		45T403617	200KDH3601+K

Double-row Taper Roller Bearing with Double Outer Ring and Big Cone Angle

WSW



基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		Calculation Factors				质量(kg) Mass	相当于国外		
								新代号	旧代号					参考			
d	D	B	T	r1.2min	r3.4min	Cr	Cor	New	Old	e	Y_1	Y_2	Y_0	Refer.	SKF	KOYO	NSK
200	460	260	260	5	6	3120	5330	200TDI460-1		0.81	0.83	1.24	0.81	219		45T4046	
210	355	130	127	3	6	1030	2340	210TDI355-1		0.59	1.1	1.7	1.1	53.8			210KDH3501+K
	440	175	244	6	5	2070	3350	210TDI440-1		1.1	0.62	0.92	0.61	151		45T424424	21OKDH4402+K
	480	230	230	6	6	3000	5150	210TDI480-1		0.7	0.97	1.4	0.94	215		45T424823	210KDH4801+K
215.9	355.6	130.175	127	3.2	6.4	1030	2340	96851D/96140		0.59	1.1	1.7	1.1	52.1			96851D/96140+K
220	360	120	120	3	4	1000	1920	220TDI360-1		0.87	0.78	1.16	0.76	42		45T443612	
228.6	431.8	158.75	158.75	6.4	3.6	1520	2640	EE113090D/113170		0.88	0.77	1.1	0.75	99.5			EE113090D/113170+K
240	480	220	200	5	2.5	3190	5220	240TDI480-1		0.72	0.94	1.4	0.9	183			
254	585	260	285	4	4	3700	6450	254TDI585-1		1.17	0.58	0.86	0.56	392		45T515828	
260	389.5	105	105	3	1.5	945	1880	260TDI389-1		0.87	0.78	1.2	0.76	42.7			260KDH3801+K
	458.5	155	155	5	5	1760	3300	260TDI458-2		0.87	0.78	1.2	0.76	110			260KDH4501A+K
	459	155	155	5	5	1740	3150	260TDI459-1		0.87	0.78	1.16	0.76	110		45T524616A	
260.35	419.1	155.575	158.75	3.2	3.2	1640	3650	EE435103D/435165		0.61	1.1	1.7	1.1	85.2			EE435103D/435165+K
279.578	381	88.9	111.125	6.4	3.3	825	1800	89111D/89150		0.58	1.2	1.7	1.1	32.6			89111D/89150+K
280	410	110	110	2.5	2.5	985	1960	280TDI410-1		1.05	0.64	0.96	0.63	49			
290	450	180	180	4	2.5	1970	4250	290TDI450-1		0.64	1.1	1.6	1	103			290KDH4501+K
300	440	105	105	4	4	960	1940	300TDI440-1		0.88	0.77	1.15	0.8	52	332168	45T604411A	
	500	200	200	5	5	2500	6050	300TDI500-1		0.7	0.97	1.4	0.94	167			300KDH5001+K
	520	180	210	4	4	2310	4500	300TDI520-1		1.2	0.57	0.85	0.56	178		45T605221A	300KDH5201+K
305	500	200	200	5	6	2250	4530	305TDI500-1		0.76	0.88	1.31	0.86	150		45T615020	
305.054	499.949	200.025	200.025	6.4	6.4	1800	3630	M959442D/M959410		1.17	0.58	0.86	0.56	145	332169	M959442D/M959410	
305.07	500	200	200	6.4	4.8	1700	3550		87961K	0.79	0.854	1.27	0.835	122			
305.2	500	200	200	6.4	4.8	1700	3550		87961K1	0.79	0.854	1.27	0.835	115			

Double-row Taper Roller Bearing with Double Outer Ring and Big Cone Angle

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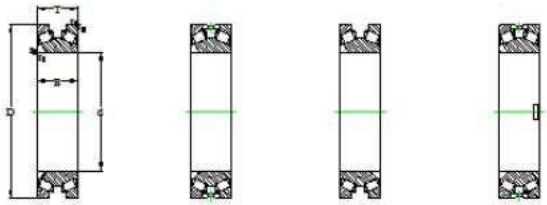

基本尺寸 Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		Calculation Factors				质量(kg) Mass	相当于国外		
							新代号	旧代号					参考			
d	D	B	T	r1.2min r3.4min	Cr	Cor	New	Old	e	Y_1	Y_2	Y_0	Refer.	SKF	KOYO	NSK
318	449.5	120	120	4 2.5	1090	2420	318TDI449-1		1.05	0.64	0.96	0.63	50		45T644512	
320	620	264	296	5 6	3900	7550	320TDI620-1		0.94	0.72	1.1	0.7	399		45T6462	320KDH6201+K
330	459	120	120	4 5	1050	2370	330TDI459-1		1.05	0.64	0.96	0.63	55		45T664612	
	650	248	248	7.5 6	3350	6100	330TDI650-1		1.3	0.54	0.8	0.52	369		45T666525	330KDH6501+K
350	618	200	200	6 6	2880	5450	350TDI618-1		0.87	0.78	1.2	0.76	236			350KDH6102
	619	200	200	6 6	2940	5580	350TDI619-1		0.87	0.78	1.16	0.76	260		45T706220	
360	550	148	148	5 6	1940	3900	360TDI550-1		0.7	0.97	1.4	0.94	123		45T725515	360KDH5501+K
	560	160	160	5 3	2260	4420	360TDI560-1		0.72	0.94	1.4	0.9	140	BT2-8000/HA3		
	600	200	200	5 3	2880	5560	360TDI600-2		0.94	0.72	1.07	0.7	220	BT2-8002/HA3		
	680	330	300	7.5 4	6850	12730	360TDI680-1		0.6	1.1	1.7	1.1	540			
380	559.5	160	160	5 5	1890	4250	380TDI559-1		0.7	0.97	1.44	0.94	133		45T765616	
	650	240	240	6 5	3830	8260	380TDI650-1		0.8	0.85	1.26	0.83	290		45T766524	
390	600	200	200	5 6	2610	6070	390TDI600-1		0.87	0.78	1.16	0.76	200		45T786020	
400	650	200	200	6 6	2870	6300	400TDI650-1		1.1	0.64	0.96	0.63	264		45T806520B	400KDH6503+K
	650	240	240	6.4 6.4	3710	7740	400TDI650-1		0.88	0.77	1.15	0.8	245	332167	2TR400	
	780	268	300	7.5 7.5	4520	8240	400TDI780-1		1.17	0.58	0.86	0.56	580		45T807830	
440	650	155	155	6 6	2330	5300	440TDI650-1		0.8	0.85	1.26	0.83	163			
450	720	216	216	6 6	3130	6870	450TDI720-1		1.09	0.62	0.92	0.61	290		45T907222U	
	820	300	300	7.5 7.5	4990	10900	450TDI820-1		1.05	0.64	0.96	0.63	610		45T908230U	
	830	288	320	7.5 7.5	5570	10900	450TDI830-1		1.05	0.64	0.96	0.63	670		45T908332	
460	618	150	150	4 5	1600	4150	460TDI618-1		1.1	0.64	0.96	0.63	117			460KDH6101A+K
	619	150	150	4 5	1820	4640	460TDI619-1		1.05	0.64	0.96	1.63	130		45T926215	
491	635	148	128	3.3 1.5	1800	5030	491TDI635-1		1	0.68	1	0.66	120			
500	720	185	218	6 6	2950	6800	500TDI720-1		0.7	0.97	1.4	0.95	262			500KDH7201+K
	870	310	340	9.5 6	7450	16200	500TDI870-1		0.7	0.97	1.44	0.94	846		2TR500D	

Double-row Taper Roller Bearing with Double Outer Ring and Big Cone Angle

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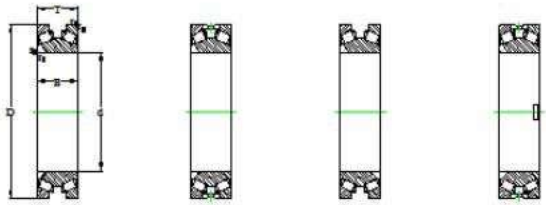
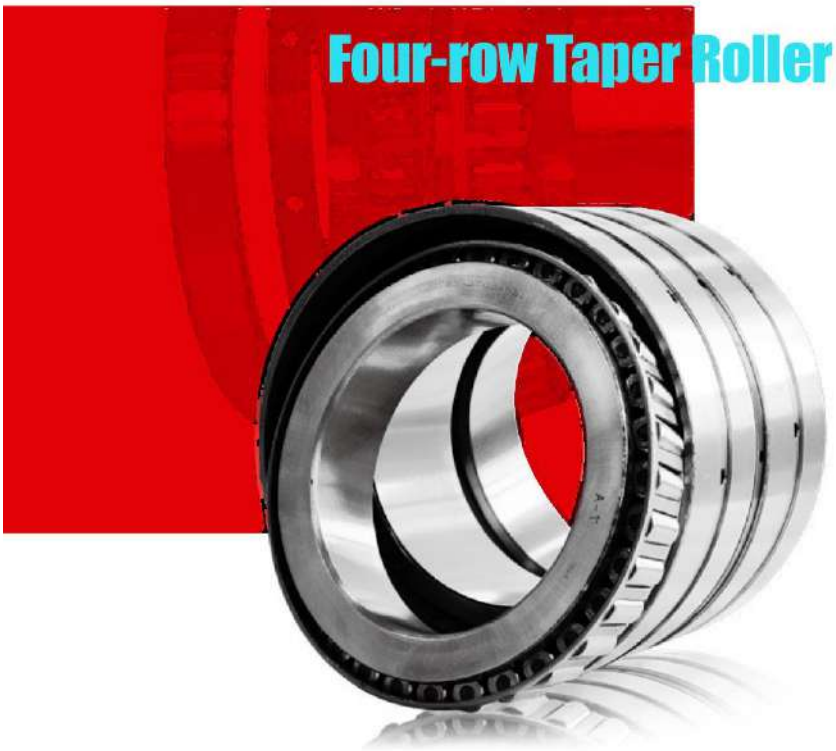


基本尺寸 Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		Calculation Factors				质量(kg) Mass	相当于国外		
								新代号	旧代号					参考			
d	D	B	T	r1.2min	r3.4min	Cr	Cor	New	Old	e	Y_1	Y_2	Y_0	Refer.	SKF	KOYO	NSK
520	660	140	140	5	3	1950	5410	520TDI660-1		0.68	1	1.5	1	115	BT2-8001/HA3		
522	690	180	160	4	1.5	2720	7880	522TDI690-1		0.79	0.85	1.25	0.8	190			
540	860	256	256	7.5	7.5	5400	12100	540TDI860-1		0.7	0.97	1.4	0.94	575			540KDH8601+K
560	820	242	242	8	2.5	4760	10830	560TDI820-2		0.88	0.77	1.15	0.8	425			
600	1000	350	350	7.5	7.5	8250	19500	600TDI1000-1		0.87	0.78	1.16	0.76	1130		2TR600	
635	939.8	304.8	304.8	3.2	6.4	5400	9400		524241	0.83	0.818	1.22	0.8	721	331555B		
657.225	933.45	326.813	326.813	6.4	3.2	9800	14900	M281649D/M281610		1	0.67	1	0.66	735			
660	814	176.212	176.212	SP	SP	2690	8330	660TDI814-1		0.67	1.01	1.5	0.99	170		2TR660B	
720	920	130	150	5	4	2760	7300	720TDI920-1		0.81	0.83	1.23	0.81	240		2TR720	

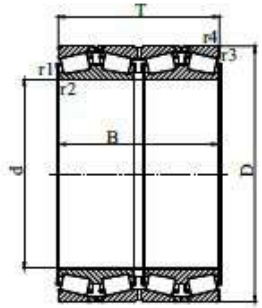
Four-row Taper Roller Bearing



外形尺寸mm					基本额定载荷KN		轴承代号		内径mm	极限转速rpm		计算参数				参考重量
									d	脂	油	e	Y_1	Y_2	Y_0	kg
d	D	T	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	新	旧								
140	210	185	2.5	2	605	1400	382028	2077128	140	800	1000	0.37	0.2	0.3	2.0	24.1
150	210	165	2.5	2	602	1580	382930	2077930	150	800	1000	0.27	2.5	3.7	2.4	21.2
170	260	230	3	2.5	1270	3290	382034	2077134	170	670	850	0.44	1.5	2.3	1.5	39.5
200	310	275	3	2.5	1760	4200	382040	2077140	200	560	700	0.37	1.7	2.3	2.1	75.1
220	340	305	4	3	2070	5430	382044	2077144	220	500	630	0.35	1.9	2.8	1.9	98.5
240	360	310	4	3	2110	5610	382048	2077148	240	450	560	0.31	2.2	3.2	2.1	91.3
250	385	255	5	4	1390	2570	381050	77150	250	430	530	0.38	1.8	2.6	1.7	108
260	360	265	3	2.5	1760	5220	382952	2077952	260	450	560	0.37	1.8	2.7	1.8	76.3
	400	345	5	4	2710	7140	382052	2077152		430	530	0.29	2.3	3.4	2.3	153
280	460	324	5	4	2840	7290	381156	1077756	280	360	450	0.33	2.1	3.1	2.0	200
300	420	300	4	3	2330	7210	382960	2077960	300	380	480	0.29	2.3	3.4	2.3	130
	460	390	5	4	3180	9330	382060	2077160		360	450	0.31	2.2	3.2	2.1	219
	500	370	5	4	3390	8710	381160	1077760		340	430	0.32	2.1	3.2	2.1	285
320	480	390	5	4	3180	9330	382064	2077164	320	340	430	0.42	1.6	2.4	1.6	234
340	460	310	4	3	2480	8100	382968	2077968	340	340	430	0.31	2.2	3.2	2.1	145
	520	325	5	4	3100	8620	381068	77168		320	400	0.29	2.3	3.4	2.3	234
	580	425	5	4	4580	11700	381168	1077768		280	360	0.42	1.6	2.4	1.6	441
360	540	325	5	4	3360	8840	381072	77172	360	300	380	0.30	2.3	3.3	2.2	248
380	560	325	5	4	3360	8840	381076	77176	380	280	380	0.31	2.1	3.2	2.1	281
	620	420	5	4	4710	12300	381176	1077776		240	360	0.46	1.5	2.2	1.4	487
395	545	288.7	7.5	4	2470	6600		77779	395	300	360	0.44	—	—	—	192
400	600	356	5	4	4160	10400	381080	77180	400	240	320	0.40	1.7	2.5	1.7	317
420	620	356	5	4	4160	10400	381084	77184	420	220	300	0.41	1.6	2.4	1.6	358
	700	480	6	5	6780	18500	381184	1077784		190	260	0.32	2.1	3.2	2.1	760

Four-row Taper Roller Bearing(Metric Series)

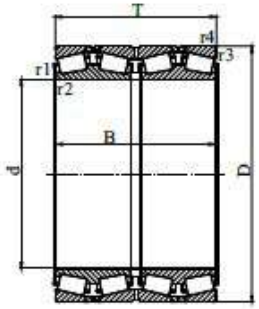
WSW



外形尺寸mm					基本额定载荷KN		轴承代号		内径mm	极限转速rpm		计算参数				参考重量
d	D	T	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	新	旧	d	脂	油	e	Y_1	Y_2	Y_0	kg
140	210	185	2.5	2	605	1400	382028	2077128	140	800	1000	0.37	0.2	0.3	2.0	24.1
150	210	165	2.5	2	602	1580	382930	2077930	150	800	1000	0.27	2.5	3.7	2.4	21.2
170	260	230	3	2.5	1270	3290	382034	2077134	170	670	850	0.44	1.5	2.3	1.5	39.5
200	310	275	3	2.5	1760	4200	382040	2077140	200	560	700	0.37	1.7	2.3	2.1	75.1
220	340	305	4	3	2070	5430	382044	2077144	220	500	630	0.35	1.9	2.8	1.9	98.5
240	360	310	4	3	2110	5610	382048	2077148	240	450	560	0.31	2.2	3.2	2.1	91.3
250	385	255	5	4	1390	2570	381050	77150	250	430	530	0.38	1.8	2.6	1.7	108
260	360	265	3	2.5	1760	5220	382952	2077952	260	450	560	0.37	1.8	2.7	1.8	76.3
	400	345	5	4	2710	7140	382052	2077152		430	530	0.29	2.3	3.4	2.3	153
280	460	324	5	4	2840	7290	381156	1077756	280	360	450	0.33	2.1	3.1	2.0	200
300	420	300	4	3	2330	7210	382960	2077960	300	380	480	0.29	2.3	3.4	2.3	130
	460	390	5	4	3180	9330	382060	2077160		360	450	0.31	2.2	3.2	2.1	219
	500	370	5	4	3390	8710	381160	1077760		340	430	0.32	2.1	3.2	2.1	285
320	480	390	5	4	3180	9330	382064	2077164	320	340	430	0.42	1.6	2.4	1.6	234
340	460	310	4	3	2480	8100	382968	2077968	340	340	430	0.31	2.2	3.2	2.1	145
	520	325	5	4	3100	8620	381068	77168		320	400	0.29	2.3	3.4	2.3	234
	580	425	5	4	4580	11700	381168	1077768		280	360	0.42	1.6	2.4	1.6	441
360	540	325	5	4	3360	8840	381072	77172	360	300	380	0.30	2.3	3.3	2.2	248
380	560	325	5	4	3360	8840	381076	77176	380	280	380	0.31	2.1	3.2	2.1	281
	620	420	5	4	4710	12300	381176	1077776		240	360	0.46	1.5	2.2	1.4	487
395	545	288.7	7.5	4	2470	6600		77779	395	300	360	0.44	—	—	—	192
400	600	356	5	4	4160	10400	381080	77180	400	240	320	0.40	1.7	2.5	1.7	317
420	620	356	5	4	4160	10400	381084	77184	420	220	300	0.41	1.6	2.4	1.6	358
	700	480	6	5	6780	18500	381184	1077784		190	260	0.32	2.1	3.2	2.1	760

Four-row Taper Roller Bearing(Metric Series)

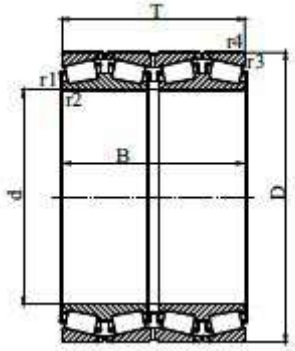
WSW



外形尺寸mm					基本额定载荷KN		轴承代号		内径mm	极限转速rpm		计算参数				参考重量
d	D	T	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor	新	旧	d	脂	油	e	Y_1	Y_2	Y_0	kg
440	650	376	6	5	4290	12390	381088	77188	440	200	280	0.43	1.6	2.3	1.5	401
460	620	310	4	3	3360	10200	381992	1077992	460	200	280	0.40	1.7	2.5	1.7	173
	680	410	6	5	5130	14200	381092	77192		180	240	0.31	2.2	3.2	2.1	476
480	650	338	5	4	3390	10500	381996	1077996	480	190	260	0.42	1.6	2.4	1.6	301
	700	420	6	5	5780	16900	381096	77196		170	220	0.32	2.1	3.1	2.1	547
500	720	420	6	5	5880	17400	3810/500	771/500	500	160	200	0.33	2.1	3.1	2.0	565
530	780	450	6	5	7520	21500	3810/530	771/530	530	140	180	0.38	1.8	2.6	1.7	744
	870	590	7.5	6	9320	26100	3811/530	10777/530		120	160	0.46	1.5	2.2	1.4	1422
560	750	368	5	4	4370	13300	3819/560	10779/560	560	140	180	0.43	1.6	2.3	1.5	456
	920	620	7.5	6	11200	26100	3811/560	10777/560		100	140	0.39	1.7	2.6	1.7	1635
600	800	380	5	4	5500	18900	3819/600	10779/600	600	120	160	0.33	2.1	3.1	2.0	536
	870	480	6	5	8370	25400	3810/600	771/600		100	140	0.41	1.7	2.5	1.6	995
	980	650	7.5	6	12700	36700	3811/600	10777/600		90	120	0.32	2.1	3.2	2.1	1970
630	850	418	6	5	6440	19800	3819/630	10779/630	630	100	140	0.40	1.7	2.5	1.7	720
	920	515	7.5	6	9170	26800	3810/630	771/630		95	130	0.42	1.6	2.4	1.6	1158
	1030	670	7.5	6	14400	39900	3811/630	10777/630		85	110	0.30	2.2	3.3	2.2	2201
670	900	412	6	5	6940	22300	3819/670	10779/670	670	95	130	0.44	1.5	2.3	1.5	959
	1090	710	7.5	6	15700	39900	3811/670	10777/670		75	95	0.32	2.1	3.2	2.1	2665
710	1030	555	7.5	6	11200	35800	3810/710	771/710	710	75	95	0.43	1.6	2.3	1.5	1568
	1150	750	9.5	8	17100	50900	3811/710	10777/710		67	85	0.32	2.1	3.2	2.1	3227
750	1090	605	7.5	6	13100	42400	3810/750	771/750	750	70	90	0.43	1.6	2.4	1.6	1874
	1220	840	9.5	8	21900	68000	3811/750	10777/750		48	80	0.32	2.1	3.2	2.1	3994
950	1360	880	7.5	6	23300	83600	3820/950	20771/950	950	—	—	0.26	2.6	3.8	2.6	4087
1060	1500	1000	9.5	8	29100	105000	3820/1060	20771/1060	1060	—	—	0.26	2.6	3.8	2.6	5896

Four-row Taper Roller Bearing(Inch Series)

WSW



外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
120.650	174.625	139.703	141.288	0.8	1.5	737	1560	IFTB1001	120.650	0.33	2.0	3.0	2.0	BT4B332406/HA1	M244749D/10/10D	11.2
127.000	182.562	158.750	158.750	1.5	3.3	781	1760	IFTB1002	127.000	0.30	2.3	3.4	2.2	BT4B330880/HA1	48290DW/20/20D	14.5
139.700	200.025	160.338	157.162	0.8	3.3	858	2080	IFTB1003	139.700	0.33	2.0	3.0	2.0	331138A	48680D/20/20D	15.5
152.400	222.250	174.625	174.625	1.5	1.5	1120	2500	IFTB0001	152.400	0.33	2.0	3.0	2.0	331329	M231649D/10/10CD	23.2
165.100	225.425	168.275	165.100	0.8	3.3	858	2200	IFTB0002	165.100	0.37	1.8	2.7	1.8	330835C	46791DW/20/21D	20.5
177.800	247.650	192.088	192.088	1.5	3.3	1230	3000	IFTB0003	177.800	0.44	1.5	2.3	1.4	331480	67791DW/20/21D	29.0
187.325	269.875	211.138	211.138	1.5	3.3	1650	3800	IFTB0004	187.325	0.33	2.0	3.0	2.0	331382	M238849DW/10/10CD	41.0
190.500	266.700	188.912	187.325	1.5	3.3	1340	3250	IFTB0005	190.500	0.48	1.4	2.1	1.4	331249	67885DW/20/20CD	33.5
198.438	284.162	225.425	225.425	1.5	3.3	1790	4150	IFTB0006	198.438	0.33	2.0	3.0	2.0	330899A	M240648D/11/11D	47.5
205.000	320.000	203.500	203.500	4	3	1900	3650	IFTB0007	205.000	0.46	1.5	2.2	1.4	BT4B328065/HA1		54.5
206.375	282.575	190.500	190.500	0.8	3.3	1300	3350	IFTB0008	206.375	0.50	1.5	2.0	1.3	331486	67986DW/20/21CD	36.5
220.000	320.000	200.000	200.000	1	3	1760	4050	IFTB0009	220.000	0.33	2.0	3.0	2.0	BT4B328348/HA1		54.0
	340.000	303.500	303.500	4	3	3080	6700	IFTB0010		0.43	1.6	2.3	1.6	BT4B328003/HA1		100
220.662	314.325	239.712	239.712	1.5	3.3	2200	5200	IFTB0011	220.662	0.33	2.0	3.0	2.0	331156	M244249DW/10/10CD	61.5
228.600	311.150	200.025	200.025	1.5	3.3	1760	4050	IFTB0012	228.600	0.33	2.0	3.0	2.0	BT4B332637/HA1	LM245149DW/10/10D	43.5
234.950	327.025	196.850	196.850	1.5	3.3	1540	4250	IFTB0013	234.950	0.40	1.7	2.5	1.6	331399	8576DW/20/20CD	54.0
240.000	338.000	248.000	248.000	4	3	2380	5500	IFTB0014	240.000	0.40	1.7	2.5	1.6	BT4B328015/HA1		70.0
	360.000	308.500	308.500	4	3	3300	7350	IFTB0015		0.33	2.0	3.0	2.0	BT4B328508		110
241.224	355.498	228.600	228.600	1.5	3.3	2160	5000	IFTB0016	241.224	0.35	1.9	2.9	1.8	331787	EE127094D/138/139D	81.5
241.478	349.148	228.600	228.600	1.5	3.3	2160	5000	IFTB0017	241.478	0.35	1.9	2.9	1.8	330782A	EE127097DW/135/136D	74.5
244.475	327.025	193.675	193.675	1.5	3.3	1830	4300	IFTB0018	244.475	0.33	2.0	3.0	2.0	330862B	LM247748DW/10/10D BT4B328690/HA1	46.0
	381.000	304.800	304.800	3.3	4.8	2970	6700	IFTB0019		0.52	1.3	1.9	1.3		EE126096DW/150/151D	130
245.000	380.000	254.000	255.500	1.5	4	2640	5600	IFTB0020	245.000	0.44	1.5	2.3	1.4	331398		105
247.650	400.050	253.995	249.235	1.5	6.4	2920	6300	IFTB0021	247.650	0.40	1.7	2.5	1.6	614096B	EE220975DW/1575/1576D	120
254.000	358.775	269.875	269.875	1.5	3.3	2860	7100	IFTB0022	254.000	0.33	2.0	3.0	2.0	331275A	M249748DW/10/10CD	88.0

Four-row Taper Roller Bearing(Inch Series)

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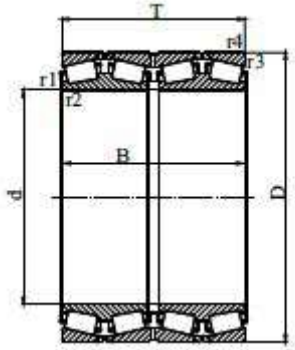
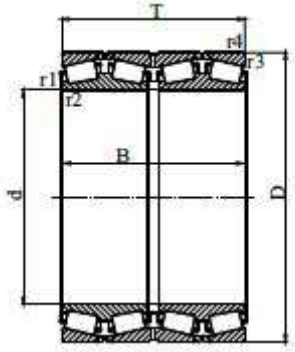


外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
260.000	440.000	298.500	298.500	2.5	5	3910	7350	IFTB0023	260.000	0.54	1.5	1.8	1.3	BT4B328551/HA1		190
260.350	422.275	317.500	314.325	6.4	3.3	4130	8000	IFTB0024	260.350	0.33	2.0	3.0	2.0	BT4B331487G/HA1	HM252349DGW/10/10D	180
266.700	355.600	228.600	230.188	1.5	3.3	2050	5600	IFTB0025	266.700	0.37	1.8	2.7	1.8	330822B	LM451349DW/10/10CD	63.5
269.875	381.000	282.575	282.575	3.3	3.3	3080	7500	IFTB0026	269.875	0.33	2.0	3.0	2.0	BT4B331168B	M252349D/10/10CD	105
276.225	393.700	269.875	269.878	1.5	6.4	2970	6400	IFTB0027	276.225	0.40	1.7	2.5	1.6	331288	EE275109DW/55/56CD	100
279.400	381.000	269.875	269.875	1.5	3.3	2920	7500	IFTB0028	279.400	0.35	1.9	2.9	1.8	BT4B328293/HA1		91.0
	393.700	269.875	269.875	1.5	6.4	3030	7100	IFTB0029		0.37	1.8	2.7	1.8	BT4B332390/HA1	EE135111DW/55/56D	102
279.578	380.898	244.475	244.475	1.5	3.3	2290	6400	IFTB0030	279.578	0.43	1.6	2.3	1.6	330540A	LM654644DW/10/10CD	86.0
280.000	380.000	290.000	290.000	1	2.5	3030	8000	IFTB0031	280	0.28	2.4	3.6	2.5	BT4B328613G/HA1		95.0
	395.000	288.000	288.000	2.5	4	3470	8300	IFTB0032	.000	0.28	2.4	3.6	2.5	BT4B328807/HA1		110
	420.000	250.000	250.000	2	5	3190	6550	IFTB0033		0.35	1.9	2.9	1.8	BT4B328664/HA1		115
	460.000	324.000	324.000	6	6	4680	9300	IFTB0034		0.35	1.9	2.9	1.8	BT4B332441G/HA1		215
285.750	380.898	244.475	244.475	1.5	3.3	2290	6400	IFTB0035	285.750	0.43	1.6	2.3	1.6	330337A	LM654648DW/10/10CD	81.0
292.100	422.275	269.875	269.875	6.4	3.3	3520	8000	IFTB0036	292.100	0.31	2.2	3.3	2.2	331968	EE330116DGW/66/67D	125
300.000	440.000	279.400	280.988	3.3	4.8	3190	7800	IFTB0037	300.000	0.43	1.6	2.3	1.6	BT4B328725G/HA1		145
	460.000	388.500	388.500	5	5	5390	12500	IFTB0038		0.33	2.0	3.0	2.0	BT4B332472		240
300.038	422.275	311.150	311.150	3.3	3.3	3800	9500	IFTB0039	300.038	0.33	2.0	3.0	2.0	331287	HM256849D/10/10CD	140
304.648	438.048	279.400	280.990	3.3	4.8	3470	8000	IFTB0040	304.648	0.48	1.4	2.1	1.4	331492	M757448DW/10/10D	135
304.800	419.100	269.875	269.875	1.5	6.4	3360	8150	IFTB0041	304.800	0.33	2.0	3.0	2.0	BT4B331687/HA1	M257149DW/10/10D	110
	482.600	377.825	365.125	3.3	3.3	5010	10400	IFTB0042		0.35	1.9	2.9	1.8	330693C		265
304.902	412.648	266.700	266.700	3.3	3.3	3080	8000	IFTB0043	304.902	0.31	2.2	3.3	2.2	330758A	M257248DW/10/10D	105
317.500	422.275	269.875	269.875	1.5	3.3	3080	8150	IFTB0044	317.500	0.31	2.2	3.3	2.2	330870A	LM258648DW/10/10D	105
	438.150	276.225	276.225	1.5	3.3	3520	8300	IFTB0045		0.43	1.6	2.3	1.6	BT4B334020G/HA4		125
	447.675	327.025	327.025	3.3	3.3	4400	10800	IFTB0046		0.33	2.0	3.0	2.0	BT4B331161AG/HA1	HM259049D/10/10CD	165
330.200	444.500	301.625	301.625	3.3	3.3	3690	9650	IFTB0047	330.200	0.33	2.0	3.0	2.0	BT4B332647G/HA1	M260149DW/10/10D	135

Four-row Taper Roller Bearing(Inch Series)

WSW



外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
330.302	438.023	254.000	247.650	1.5	3.3	2600	7350	IFTB0048	330.302	0.46	1.5	2.2	1.4	331664	EE138131D/72/73XD	110
333.375	469.900	342.900	342.900	3.3	3.3	4570	11400	IFTB0049	333.375	0.33	2.0	3.0	2.0	331381	HM261049DW/10/10CD	190
340.000	520.000	323.500	323.500	1.5	5	5230	10400	IFTB0050	340.000	0.30	2.3	3.4	2.2	BT4B332963/HA1		245
342.900	571.500	342.900	342.540	3.3	6.4	6270	11600	IFTB0051	342.900	0.33	2.0	3.0	2.0	BT4B331553/HA1		365
343.052	457.098	254.000	254.000	1.5	3.3	2810	6800	IFTB0052	343.052	0.48	1.4	2.1	1.4	330661C	LM761649DW/10/10D	110
346.075	488.950	358.775	358.775	3.3	3.3	4950	12500	IFTB0053	346.075	0.33	2.0	3.0	2.0	331228	HM262749D/10/10CD	220
347.662	469.900	260.350	260.350	1.5	3.3	3800	10200	IFTB0054	347.662	0.33	2.0	3.0	2.0	BT4B331077AG/HA1	LM262449DW/10/10D	130
	469.900	292.100	292.100	3.3	3.3	3800	10200	IFTB0055		0.33	2.0	3.0	2.0	331092A	M262449DW/10/10D	150
355.000	490.000	316.000	316.000	1.5	3.3	4130	11000	IFTB0056	355.000	0.33	2.0	3.0	2.0	331508		185
355.600	482.600	269.875	265.112	1.5	3.3	3190	8000	IFTB0057	355.600	0.48	1.4	2.1	1.4	330662AG	LM763449DW/10/10D	140
	488.950	317.500	317.500	1.5	3.3	4130	11000	IFTB0058		0.33	2.0	3.0	2.0	331271	M263349DW/10/10D	195
360.000	510.000	380.000	380.000	2	6	5610	14300	IFTB0059	360.000	0.33	2.0	3.0	2.0	332059		255
	540.000	280.000	280.000	5	5	4400	9000	IFTB0060		0.44	1.5	2.3	1.4	BT4B328159/HA1		230
368.300	523.875	382.588	382.588	3.3	6.4	5380	15000	IFTB0061	368.300	0.33	2.0	3.0	2.0	331159A	HM265049DW/10/10CD	275
374.650	501.650	260.350	250.825	1.5	3.3	3360	8150	IFTB1061	374.650	0.48	1.4	2.1	1.4	BT4B332188/HA1	LM765149DW/10/10D	140
380.000	560.000	325.000	325.000	2	5	5500	11800	IFTB0062	380.000	0.31	2.2	3.3	2.2	BT4B328294/HA1		265
	560.000	360.000	360.000	2	6	6160	13700	IFTB0063		0.40	1.7	2.5	1.6			295
	620.000	368.000	368.000	6	6	7040	13700	IFTB0064		0.43	1.6	2.3	1.6			438
384.175	546.100	400.050	400.050	3.3	6.4	6440	16600	IFTB0065	384.175	0.33	2.0	3.0	2.0	331149A	HM266449DW/10/10CD	310
385.762	514.350	317.500	317.500	3.3	3.3	4290	12000	IFTB0066	385.762	0.43	1.6	2.3	1.6	331202	LM665949DGW/10/10CD	190
395.000	545.000	288.900	268.000	5	10	2910	9500	IFTB0067	395.000	0.48	1.4	2.1	1.4	BT4B332824/HA1		195
406.400	546.100	288.925	268.288	1.5	6.4	3910	9500	IFTB0068	406.400	0.48	1.4	2.1	1.4	331465	LM867949DGW/10/11	185
	546.100	288.925	288.925	1.5	6.4	4020	10200	IFTB0069		0.48	1.4	2.1	1.4	BT4B330650CG	LM767749DW/10/10D	185
	565.150	381.000	381.000	3.3	6.4	6050	15600	IFTB0070		0.33	2.0	3.0	2.0	BT4B331347AG/HA1	M267949DGW/10/10D	300
	590.550	400.050	400.050	3.3	6.4	6930	16600	IFTB0071		0.33	2.0	3.0	2.0	331133A	EE833161DGW/231/233D	370

Four-row Taper Roller Bearing(Inch Series)

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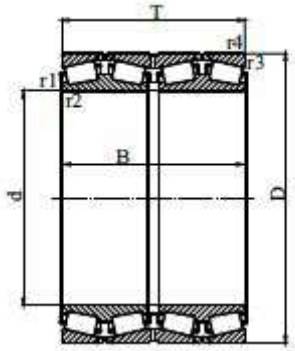

外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
409.575	546.100	334.962	334.962	1.5	6.4	4680	13200	IFTB0072	409.575	0.43	1.6	2.3	1.6	BT4B331333/HA1	M667949D/11/11D	220
415.925	590.550	434.975	434.975	3.3	6.4	7210	19300	IFTB0073	415.925	0.33	2.0	3.0	2.0	331160A	M268749DW/10/10CD	395
420.000	560.000	437.000	437.000	4	6	5830	16300	IFTB0074	420.000	0.31	2.2	3.3	2.2	BT4B328826G/HA1		285
	620.000	355.000	355.000	2	5	6440	14600	IFTB0075		0.31	2.2	3.3	2.2	BT4B328374/HA1		375
430.000	570.000	336.550	336.550	1.5	3.3	4950	14000	IFTB0076	430.000	0.44	1.5	2.3	1.4	331192A		240
431.800	571.500	279.400	279.400	1.5	3.3	3690	9650	IFTB0077	431.800	0.54	1.5	2.0	1.3	331125A	LM869449DW/10/10CD	200
	571.500	336.550	336.550	1.5	3.3	4950	14000	IFTB0078		0.44	1.5	2.3	1.4	BT4B331226/HA1	LM769349DW/10/10D	240
	635.000	355.600	355.600	6.4	6.4	6600	15000	IFTB0079		0.33	2.0	3.0	2.0	332060	EE931070DGW/250/251XD	385
440.000	580.000	420.000	420.000	4.5	6.7	6050	17600	IFTB0080	440.000	0.26	2.6	3.9	2.5	BT4B328829/HA1		300
	650.000	353.500	353.500	6.4	6.4	6600	15000	IFTB0081		0.33	2.0	3.0	2.0	332313		410
444.500	571.500	336.550	336.550	1.5	3.3	4950	14300	IFTB0082	444.500	0.31	2.2	3.3	2.2	BT4B328670		215
447.675	635.000	463.550	463.550	3.3	6.4	8250	22000	IFTB0083	447.675	0.33	2.0	3.0	2.0	330608C	M270749ADW/10/10CD	485
450.000	580.000	450.000	450.000	3	6	6160	19600	IFTB0084	450.000	0.24	2.8	4.2	2.8	BT4B328161/HA1		280
	595.000	368.000	368.000	3	6	5500	16300	IFTB0085		0.33	2.0	3.0	2.0	BT4B332773/HA1	M270449DA/10/10D	285
	595.000	404.000	404.000	3	6	5500	16300	IFTB0086		0.33	2.0	3.0	2.0	BT4B328365/HA1	M270449DA/410	305
457.073	730.148	419.100	412.750	1.5	6.4	8970	19600	IFTB0087	457.073	0.40	1.7	2.5	1.6	BT4B328287G/HA1	EE671798DGW/2873/2875D	630
457.200	596.900	279.400	276.225	1.5	3.3	4180	10800	IFTB0088	457.200	0.48	1.4	2.1	1.4	331169A	L770847DW/10/10D	200
	596.900	320.000	320.000	3.3	3.3	4840	13700	IFTB0089		0.44	1.5	2.3	1.4	BT4B334006		235
460.000	610.000	360.000	360.000	3	6	6050	16300	IFTB0090	460.000	0.33	2.0	3.0	2.0	331977		295
	610.000	400.000	400.000	2.5	4	6270	17300	IFTB0091		0.28	2.4	3.6	2.5	BT4B328285		315
	625.000	421.000	421.000	3	9	7210	20000	IFTB0092		0.33	2.0	3.0	2.0	BT4B332502/HA1	M271149DW/10/10D	382
462.000	615.950	330.200	330.200	3.3	6.4	5500	15000	IFTB0093	462.000	0.40	1.7	2.5	1.6	BT4B328692		275
475.000	600.000	368.000	368.000	2	6	5280	16600	IFTB0094	475.000	0.30	2.3	3.4	2.2	BT4B328913G/HA1		250
	660.000	450.000	450.000	4	6	8580	22400	IFTB0095		0.30	2.3	3.4	2.2	BT4B329007/HA1		460
479.425	679.450	495.300	495.300	3.3	6.4	9350	22500	IFTB0096	479.425	0.33	2.0	3.0	2.0	330886B	M272749DW/10/10D	605

Four-row Taper Roller Bearing(Inch Series)

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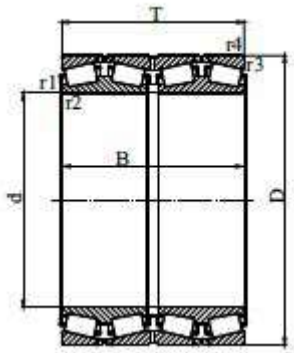

外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
482.600	615.950	330.200	330.200	6.4	6.4	5120	15300	IFTB0097	482.600	0.33	2.0	3.0	2.0	332096	LM272249DW/10/10D	245
	615.950	330.200	419.100	3.5	6.4	5120	15300	IFTB0098		0.33	2.0	3.0	2.0	BT4B331626A/HA1	LM272249DWA/10/10D	265
	630.000	420.000	420.000	3.3	6.4	6600	19300	IFTB0099		0.33	2.0	3.0	2.0	BT4B328773G/HA1		345
	647.700	417.512	417.512	3.3	6.4	7210	20000	IFTB0100		0.33	2.0	3.0	2.0	331259	M272647DGW/10/10D	400
488.950	622.300	365.125	365.125	3	3	5610	17300	IFTB0101	488.950	0.35	1.9	2.9	1.8	BT4B328391G/HA1		265
489.026	634.873	320.675	320.675	3.3	3.3	5120	14600	IFTB0102	489.026	0.35	1.9	2.9	1.8	331090A	LM772749DW/10/10D	270
500.000	720.000	400.000	400.000	3	6	8250	20400	IFTB0103	500.000	0.35	1.9	2.9	1.8	BT4B328524/HA1		550
501.650	673.100	387.350	400.050	3.3	6.4	7210	19300	IFTB0104	501.650	0.31	2.2	3.3	2.2	BT4B331499G/HA1	EE641198DGW/265/266D	395
	711.200	520.700	520.700	3.3	6.4	10200	27500	IFTB0105		0.33	2.0	3.0	2.0	331081A	M274149DW/10/10D	755
508.000	762.000	463.550	463.550	6.4	6.4	10100	23200	IFTB0106	508.000	0.37	1.8	2.7	1.8	332131	EE531201DGW/300/301XD	730
510.000	655.000	379.000	377.000	1.5	6.4	6270	19000	IFTB0107	510.000	0.33	2.0	3.0	2.0	BT4B331747A		330
514.350	673.100	422.275	422.275	3.3	6.4	7210	21600	IFTB0108	514.350	0.31	2.2	3.3	2.2	331157A	LM274449DW/10/10D	410
519.112	736.600	536.575	536.575	3.3	6.4	11400	31000	IFTB0109	519.112	0.33	2.0	3.0	2.0	331078A	M275349D/10/10D	755
520.700	711.200	400.050	400.050	3.3	6.4	7480	19600	IFTB0110	520.700	0.33	2.0	3.0	2.0	BT4B331243A/HA1	LM275349DGW/10/10D	460
536.575	761.873	558.800	558.800	3.3	6.4	11700	32000	IFTB0111	536.575	0.33	2.0	3.0	2.0	BT4B331174/HA1	M276449ADW/10/10D	835
540.000	690.000	400.000	400.000	3	6	5720	16300	IFTB0112	540.000	0.33	2.0	3.0	2.0	331978		375
	690.000	400.000	434.000	1	5	5720	16300	IFTB0113		0.33	2.0	3.0	2.0	BT4B334038G/HA3		400
558.800	736.600	322.268	322.268	3.3	6.4	6270	16600	IFTB0114	558.800	0.35	1.9	2.9	1.8	331165A	EE843220DW/90/91CD	375
	736.600	409.575	409.575	3.3	6.4	7650	22000	IFTB0115		0.35	1.9	2.9	1.8	330993BG	LM377449DW/10/10CD	475
	736.600	457.200	455.612	3.3	6.4	8420	26000	IFTB0116		0.33	2.0	3.0	2.0	BT4B331346A/HA1	LM277149DA/10/10D	545
560.000	920.000	618.000	618.000	7.5	7.5	16500	34000	IFTB0117	560.000	0.40	1.7	2.5	1.6	BT4B328509/HA4		1700
571.500	812.800	593.725	593.725	3.3	6.4	12100	32000	IFTB0118	571.500	0.33	2.0	3.0	2.0	330529B	M278749DW/10/10D	1000
584.200	730.250	349.250	342.900	1.5	3.3	5500	17000	IFTB0119	584.200	0.43	1.6	2.3	1.6	331189		330
	762.000	401.638	396.875	3.3	6.4	7650	22400	IFTB0120		0.48	1.4	2.1	1.4	331148A	LM778549DW/10/10D	485
	901.700	539.747	523.080	3.3	9.7	13400	28000	IFTB0121		0.33	2.0	3.0	2.0	BT4B328314G/HA1	EE665231DGW/355/356D	1250

Four-row Taper Roller Bearing(Inch Series)

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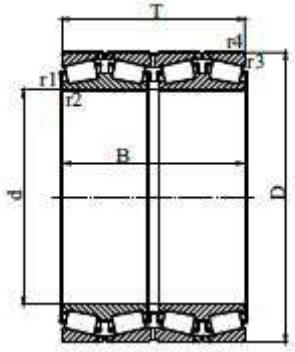

外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
585.788	771.525	479.425	479.425	3.3	6.4	9900	30000	IFTB0122	585.788	0.33	2.0	3.0	2.0	331093A	LM278849D/10/10D	625
595.312	844.550	615.950	615.950	3.3	6.4	13400	36500	IFTB0123	595.312	0.33	2.0	3.0	2.0	331300	M280049D/10/10D	1115
596.900	980.000	609.600	604.838	6.4	12.7	16800	36500	IFTB0124	596.900	0.40	1.7	2.5	1.6	331566		1920
600.000	870.000	488.000	488.000	3	6	12500	29000	IFTB0125	600.000	0.33	2.0	3.0	2.0	BT4B328350G/HA1		940
603.250	857.250	622.300	622.300	3.3	6.4	14700	40500	IFTB0126	603.250	0.33	2.0	3.0	2.0	331625	M280249DGW/10/10XD	1235
609.600	787.400	361.950	361.950	3.3	6.4	7370	21200	IFTB0127	609.600	0.37	1.8	2.7	1.8	331175A	EE649242DW/310/311CD	455
	813.562	479.425	479.425	3.3	6.4	10600	30500	IFTB0128		0.33	2.0	3.0	2.0	331925	LM280249DW/10/10D	715
	863.600	660.400	660.400	3.3	6.4	15100	41500	IFTB0129		0.31	2.2	3.3	2.2	332391	M280349D/10/10D	1240
620.000	800.000	363.500	363.500	3	6	7480	21600	IFTB0130	620.000	0.37	1.8	2.7	1.8	BT4B328510/HA1		465
635.000	901.700	654.050	654.050	3.3	6.4	15700	45000	IFTB0131	635.000	0.33	2.0	3.0	2.0	330990A	M281049D/10/10D	1420
646.112	857.250	542.925	542.925	3.3	6.4	12100	36500	IFTB0132	646.112	0.33	2.0	3.0	2.0	BT4B332671/HA1	LM281049DW/10/10D	875
650.000	915.000	674.000	674.000	3.3	6.4	16100	45000	IFTB0133	650.000	0.33	2.0	3.0	2.0	332307	M281349DGW/10/10D	1430
	1030.000	560.000	560.000	15	10	16500	36500	IFTB0134		0.31	2.2	3.3	2.2	BT4B332827AG/HA1		1830
657.225	933.450	676.275	676.275	3.3	6.4	17200	49000	IFTB0135	657.225	0.33	2.0	3.0	2.0	330824A	M281649D/10/10D	1575
685.800	876.300	355.600	352.425	3.3	6.4	6160	17000	IFTB0136	660.000	0.35	1.9	2.9	1.8	BT4B331065AG/HA4	EE749259DGW/334/335D	490
	876.300	355.600	434.975	3.3	6.4	7040	18600	IFTB0137		0.35	1.9	2.9	1.8	BT4B328511/HA1		490
660.400	812.800	365.125	365.125	3.3	6.4	6710	22400	IFTB0138	660.400	0.33	2.0	3.0	2.0	331190	L281149D/10/10CD	420
676.000	910.000	620.000	620.000	4	8	14200	41500	IFTB0139	676.000	0.33	2.0	3.0	2.0	BT4B332906/HA4		1150
679.450	901.700	552.450	552.450	3.3	6.4	12300	36500	IFTB0140	679.450	0.33	2.0	3.0	2.0	331700	LM281849DW/10/10D	975
682.625	965.200	701.675	701.675	3.3	6.4	17600	50000	IFTB0141	682.625	0.33	2.0	3.0	2.0	331503G/HA1	M282249D/10/10D	1750
685.800	876.300	355.600	352.425	3.3	6.4	7210	22000	IFTB0142	685.800	0.43	1.6	2.3	1.6	331089	EE655271D/345/346D	530
	876.300	355.600	434.975	3.3	6.4	7210	22000	IFTB0143		0.43	1.6	2.3	1.6	BT4B328704G/HA1	EE655271DWA/345/346D	580
708.025	930.275	565.150	565.150	3.3	6.4	13000	39000	IFTB0144	708.025	0.33	2.0	3.0	2.0	BT4B332098A/HA4	LM282549D/10/10D	1030
710.000	900.000	410.000	410.000	3	6	8800	26500	IFTB0145	710.000	0.35	1.9	2.9	1.8	331351	L882449DGW/10/10D	660
711.200	914.400	317.500	317.500	3.3	6.4	7040	19300	IFTB0146	711.200	0.37	1.8	2.7	1.8	330882C	EE755281D/360/361CD	525

Four-row Taper Roller Bearing(Inch Series)

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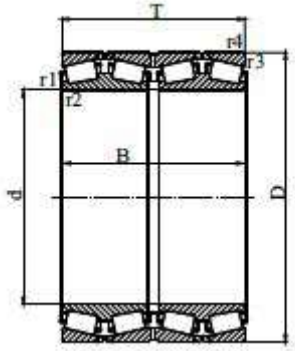
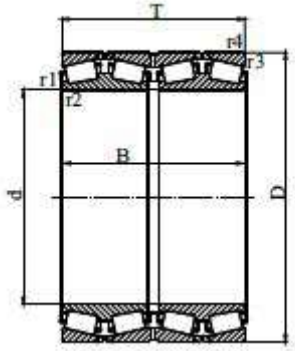


外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
714.375	1016.000	704.850	704.850	3.3	6.4	18700	53000	IFTB0147	714.375	0.35	1.9	2.9	1.8	BT4B331358/HA4	M383240D/10/10D	1950
717.550	946.150	565.150	565.150	3.3	6.4	13400	40500	IFTB0148	717.550	0.33	2.0	3.0	2.0	332244	LM282847DW/10/10D	1900
730.000	940.000	500.000	500.000	3.5	8	12100	36000	IFTB0149	730.000	0.35	1.9	2.9	1.8	331752		925
730.250	1035.050	755.650	755.650	3.3	6.4	20500	58500	IFTB0150	730.250	0.33	2.0	3.0	2.0	330803A	M283449DW/10/10D	2170
749.300	990.600	605.000	605.000	3.3	6.4	15000	45500	IFTB0151	749.300	0.33	2.0	3.0	2.0	331616	LM283649D/10/10D	1250
	1066.800	736.600	723.900	25.4*20°	12.7	20500	58500	IFTB0152		0.33	2.0	3.0	2.0	331094A	EE325296D/420/421XD	2250
750.000	1130.000	690.000	690.000	4	7.5	20100	46500	IFTB0153	750.000	0.48	1.4	2.1	1.4	BT4B328376/HA4		2430
762.000	1066.800	736.600	723.900	8	12.7	20500	58500	IFTB0154	762.000	0.33	2.0	3.0	2.0	331907	M284148DW/11/10D	2145
	1079.500	787.400	787.400	4.8	12.7	22400	65500	IFTB0155		0.33	2.0	3.0	2.0	330676B	M284249DW/10/10D	2480
812.800	1143.000	768.350	768.350	6.4	12.7	22000	63000	IFTB0156	812.800	0.33	2.0	3.0	2.0	331248		2590
825.500	1168.400	844.550	844.550	4.8	12.7	26000	76500	IFTB0157	825.500	0.33	2.0	3.0	2.0	BT4B331066A/HA4	M285848DW/10/10D	3050
850.000	1360.000	910.000	910.000	6	12	34700	83000	IFTB0158	850.000	0.35	1.9	2.9	1.8	331069		5440
863.600	1130.300	644.525	717.550	9.7	3.3	19800	62000	IFTB0159	863.600	0.33	2.0	3.0	2.0	BT4B332571/HA4		2100
	1130.300	669.925	669.925	4.8	12.7	19800	62000	IFTB0160		0.33	2.0	3.0	2.0	BT4B331123B	LM286248DW/10/10D	1900
	1169.987	844.550	844.550	4.8	12.7	23800	76500	IFTB0161		0.33	2.0	3.0	2.0	BT4B332967/HA4		2700
	1181.100	666.750	666.750	4.8	12.7	20900	57000	IFTB0162		0.33	2.0	3.0	2.0	BT4B331649/HA4	LM286449D/10/10D	2150
	1219.200	889.000	876.300	4.8	12.7	28100	81500	IFTB0163		0.33	2.0	3.0	2.0	BT4B330742A/HA4	EE547341D/480/481D	3470
887.888	1220.000	844.550	844.550	4.8	12.7	26000	76500	IFTB0164	887.888	0.33	2.0	3.0	2.0	BT4B332981/HA4	LM286749D/711	3080
889.000	1219.200	784.225	880.000	9.7	3.3	27000	78000	IFTB0165	889.000	0.33	2.0	3.0	2.0	BT4B332602/HA4		3340
901.700	1295.400	914.400	901.700	4.8	12.7	30800	86500	IFTB0166	901.700	0.33	2.0	3.0	2.0	330903A	EE634356D/510/510D	4170
938.213	1270.000	825.500	825.500	4.8	12.7	26000	81500	IFTB0167	938.213	0.35	1.9	2.9	1.8	330726A	LM287649D/10/10D	3230
939.800	1333.500	952.500	952.500	4.8	12.7	31900	95000	IFTB0168	939.800	0.33	2.0	3.0	2.0	BT4B330944AG/HA4	LM287849DW/10/10D	4510
1001.000	1360.000	800.000	800.000	12	12.7	27500	81500	IFTB0169	1001.000	0.31	2.2	3.3	2.2	BT4B334031/HA1		3390
1003.300	1358.900	800.100	800.100	4.8	12.7	27500	81500	IFTB0170	1003.300	0.31	2.2	3.3	2.2	BT4B331372/HA4		3450
1004.634	1308.100	730.250	812.800	12.7	3.3	24600	76500	IFTB0171	1004.634	0.33	2.0	3.0	2.0	BT4B332720/HA4		3060

Four-row Taper Roller Bearing(Inch Series)

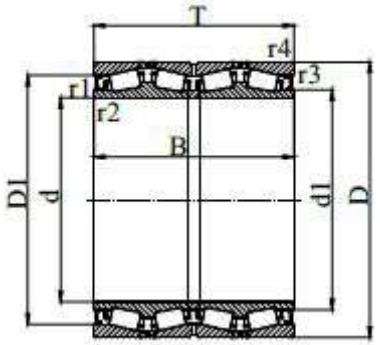
WSW



外形尺寸mm						基本载荷KN		轴承代号	内径mm	计算参数				参考国外轴承代号		参考重量
d	D	T	B	$r_{1,2min}$	$r_{3,4min}$	Cr	Cor		d	e	Y_1	Y_2	Y_0	SKF	TIMKEN	kg
1070.000	1400.000	889.762	889.762	4	12	30300	100000	IFTB0172	1070.000	0.33	2.0	3.0	2.0	BT4B328100/HA4	JLM288449DW/410	3730
1080.000	1450.000	950.000	950.000	5	12	33600	108000	IFTB0173	1080.000	0.33	2.0	3.0	2.0	BT4B331559/HA4		4450
1139.825	1509.712	923.925	923.925	4.8	12.7	33600	108000	IFTB0174	1139.825	0.31	2.2	3.3	2.2	BT4B331334/HA4		4840
1200.150	1593.850	990.600	990.600	4.8	12.7	38000	125000	IFTB0175	1200.150	0.33	2.0	3.0	2.0	331440	LM288949D/10/10D	5635
1250.000	1550.000	890.000	890.000	5	12	30300	114000	IFTB0176	1250.000	0.33	2.0	3.0	2.0	BT4B328819G/HA1		3820

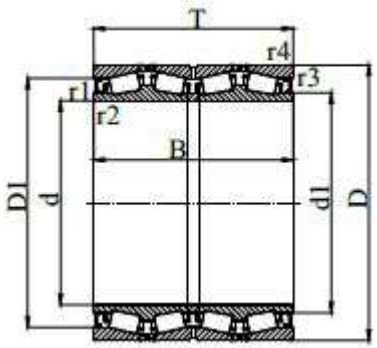
Four-row Taper Roller Bearing(Seal Series)

WSW



外形尺寸mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号		参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	FAG	kg
152.400	244.475	187.325	192.088	170	218	1.0	3.3	SFTB0001	152.400	1300	2160	0.33	2.0	3.0	2.0	BT4B329121G/HA1VA901		30.0
203.200	317.500	266.700	266.700	230	282	2.5	3.3	SFTB0002	203.200	2460	4900	0.31	2.2	3.3	2.2	BT4B329123G/HA1VA901	577254	76.0
206.375	282.575	226.000	226.000	220	258	0.6	3.3	SFTB0003	206.375	1300	3350	0.50	1.4	2.0	1.3	BT4B329090G/HA1VA901		40.0
220.000	295.000	315.000	315.000	236	272	0.6	2.5	SFTB0004	220.000	1510	4050	0.40	1.7	2.5	1.6	BT4B328853G/HA1VA902		55.0
220.662	314.325	239.712	239.712	241	279	1.5	3.3	SFTB0005	220.662	1790	3800	0.35	1.9	2.9	1.8	BT4B328546G/HA1		56.0
228.600	400.050	296.875	296.875	265	346	2.5	3.3	SFTB0006	228.600	3360	5700	0.44	1.5	2.3	1.4	BT4B328918G/HA1VA901		148
240.000	338.000	340.000	340.000	260	306	1.5	4.0	SFTB1007	240.000	2380	5500	0.40	1.7	2.5	1.6	BT4B328854G/HA1VA902		88.0
241.478	349.148	228.600	228.600	265	317	1.5	3.3	SFTB0007	241.478	1900	3650	0.35	1.9	2.9	1.8	BT4B328668G/HA1	573331	64.0
254.000	358.775	269.875	269.875	272	320	1.5	3.3	SFTB0008	254.000	2330	5400	0.33	2.0	3.0	2.0	BT4B329071G/HA1VA901	578140	84.0
260.000	365.000	340.000	340.000	280	327	2.5	3.5	SFTB0009	260.000	3140	8000	0.35	1.9	2.9	1.8	BT4B329093G/HA1VA902		112
266.700	355.600	228.600	230.188	285	330	1.5	3.3	SFTB0010	266.700	1720	4150	0.35	1.9	2.9	1.8	BT4B328468G/HA1	546485	68.0
276.225	393.700	269.875	269.875	302	358	1.0	6.4	SFTB0011	276.225	2750	5850	0.37	1.8	2.7	1.8	BT4B328920G/HA1VA901	567712	96.0
279.400	393.700	269.875	269.875	302	358	1.0	6.4	SFTB0012	279.400	2750	5850	0.37	1.8	2.7	1.8	BT4B328917G/HA1VA901	575940	69.0
280.000	395.000	340.000	340.000	302	358	2.5	3.5	SFTB0013	280.000	3580	8650	0.33	2.0	3.0	2.0	BT4B329092G/HA1VA901		128
285.750	380.898	244.475	244.475	303	344	1.0	3.3	SFTB0014	285.750	2200	5500	0.43	1.6	2.3	1.6	BT4B328878G/HA1VA901	564701A	74.0
300.000	440.000	279.400	280.990	334	393	3.3	4.8	SFTB0015	300.000	3080	6700	0.46	1.5	2.2	1.4	BT4B334126G/HA1VA901		137
304.648	438.048	279.400	280.990	334	393	2.0	4.8	SFTB0016	304.648	3080	6700	0.46	1.5	2.2	1.4	BT4B334408G/HA1VA901	579080	129
304.800	419.100	269.875	269.875	328	380	1.0	6.4	SFTB0017	304.800	2860	6950	0.35	1.9	2.9	1.8	BT4B329067G/HA1VA901	567935	108
304.902	412.648	266.700	266.700	328	374	1.0	3.3	SFTB0018	304.902	2510	6100	0.33	2.0	3.0	2.0	BT4B328278G/HA1	567163	98.0
305.000	438.048	279.400	280.990	334	393	2.0	4.8	SFTB0019	305.000	3080	6700	0.46	1.5	2.2	1.4	BT4B334076G/HA1VA901	564887	129
317.500	422.275	269.875	269.875	338	388	1.5	3.3	SFTB0020	317.500	2640	6550	0.33	2.0	3.0	2.0	BT4B334023G/HA1VA901	581035	98.0
333.375	469.900	342.900	342.900	362	426	2.5	3.3	SFTB0021	333.375	4290	10400	0.33	2.0	3.0	2.0	BT4B328921G/HA1VA901		182
343.052	457.098	254.000	254.000	362	420	1.0	3.3	SFTB0022	343.052	2700	6400	0.48	1.4	2.9	1.4	BT4B328817G/HA1VA901	564672A	109
355.600	482.600	269.875	265.112	380	436	1.5	3.3	SFTB0023	355.600	3080	7500	0.46	1.5	2.2	1.4	BT4B328870G/HA1VA901	567934	136
385.762	514.350	317.500	317.500	412	470	1.0	3.3	SFTB0024	385.762	3910	10000	0.40	1.7	2.5	1.6	BT4B334042G/HA1VA901	573580	174

Four-row Taper Roller Bearing(Seal Series)



外形尺寸mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号		参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	FAG	kg
406.400	546.100	288.925	288.925	434	498	1.5	6.4	SFTB0025	406.400	3910	9500	0.48	1.4	2.1	1.4	BT4B328838G/HA1VA901	572499	183
409.575	546.100	334.962	334.962	434	498	1.0	6.4	SFTB0026	409.575	4570	12000	0.40	1.7	2.5	1.6	BT4B329004G/HA1VA901	576482	210
415.925	590.550	434.975	434.975	450	530	3.3	6.4	SFTB0027	415.925	7040	18000	0.33	2.0	3.0	2.0	BT4B328893G/HA1VA901	576306	379
416.000	574.000	440.000	440.000	450	530	2.5	5.0	SFTB0028	416.000	6050	17000	0.33	2.0	3.0	2.0	BT4B334130G/HA1VA903		341
430.000	575.000	380.000	380.000	458	530	1.5	5.0	SFTB0029	430.000	5230	14300	0.33	2.0	3.0	2.0	BT4B334095G/HA1VA901		267
440.000	590.000	480.000	480.000	468	539	1.0	5.0	SFTB0030	440.000	7040	19200	0.28	2.4	3.6	2.5	BT4B334055G/HA1VA902	575693	371
450.000	595.000	398.000	398.000	480	554	2.0	6.0	SFTB0031	450.000	5500	16300	0.33	2.0	3.0	2.0	BT4B328846G/HA1VA901		301
457.200	596.900	279.400	276.225	484	550	1.5	3.3	SFTB0032	457.200	3960	10000	0.48	1.4	2.1	1.4	BT4B328827G/HA1VA901	567523	191
460.000	610.000	360.000	360.000	488	555	3.0	6.0	SFTB0033	460.000	5120	12900	0.37	1.8	2.7	1.8	BT4B328727G/HA1VA901		270
475.000	600.000	368.000	368.000	498	560	2.0	6.0	SFTB0034	475.000	4730	14000	0.33	2.0	3.0	2.0	BT4B334078G/HA1VA901		235
479.425	679.450	495.300	495.300	360	420	3.3	6.4	SFTB0035	479.425	8580	22400	0.33	2.0	3.0	2.0	BT4B334116G/HA1VA901	572067	565
482.600	615.950	330.200	330.200	505	577	1.0	6.4	SFTB0036	482.600	4950	13700	0.33	2.0	3.0	2.0	BT4B328842G/HA1VA901	564694A	232
489.026	634.873	320.675	320.675	516	588	1.0	3.3	SFTB0037	489.026	4840	12500	0.37	1.8	2.7	1.8	BT4B334014G/HA1VA901	572123	248
510.000	655.000	379.000	377.000	536	594	1.5	6.4	SFTB0038	510.000	5720	16300	0.35	1.9	2.9	1.8	BT4B334022G/HA1VA901		311
540.000	690.000	434.000	434.000	565	636	2.0	5.0	SFTB0039	540.000	7040	21200	0.33	2.0	3.0	2.0	BT4B334028G/HA1VA901		392
558.800	736.600	322.262	322.262	595	685	1.5	6.4	SFTB0040	558.800	5830	14300	0.35	1.9	2.9	1.8	BT4B328864G/HA1VA901	575848	343
571.500	812.800	593.725	593.725	625	725	3.3	6.4	SFTB0041	571.500	11900	33500	0.33	2.0	3.0	2.0	BT4B334144G/HA1VA901		998
585.788	771.525	479.425	479.425	622	708	4.0	6.4	SFTB0042	585.788	9520	27500	0.33	2.0	3.0	2.0	BT4B328888G/HA1VA901	575824	596
609.600	787.400	361.950	361.950	645	735	3.3	6.4	SFTB0043	609.600	6820	18600	0.37	1.8	2.7	1.8	BT4B328871G/HA1VA901	572690	430
635.000	901.700	654.050	654.050	692	805	3.3	6.4	SFTB0044	635.000	14500	41500	0.35	1.9	2.9	1.8	BT4B334141G/HA1VA901	580638	1354
660.000	855.000	318.480	400.842	707	800	4.0	5.0	SFTB1044	660.000	6270	17300	0.35	1.9	2.9	1.8	BT4B334002G/HA1VA901		488
660.400	812.800	365.125	385.424	692	784	2.0	6.4	SFTB1045	660.400	6600	20400	0.33	2.0	3.0	2.0	BT4B328977G/HA1VA901		396
679.450	901.700	552.450	552.450	722	824	3.3	6.4	SFTB0045	679.450	12100	36000	0.33	2.0	3.0	2.0	BT4B334015G/HA1VA901	575037	975
682.625	965.200	701.675	701.675	740	860	3.3	6.4	SFTB0046	682.625	17200	49000	0.35	1.9	2.9	1.8	BT4B334060G/HA1VA901		651
685.800	876.300	355.600	352.425	730	818	3.3	6.4	SFTB0047	685.800	7210	20000	0.37	1.8	2.7	1.8	BT4B328955G/HA1VA901	572930	506

Four-row Taper Roller Bearing(Seal Series)

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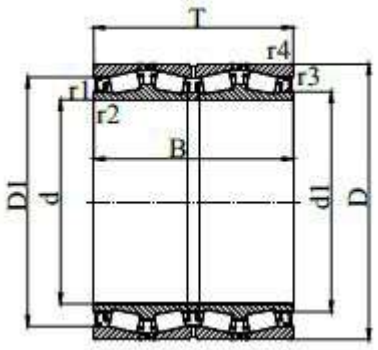
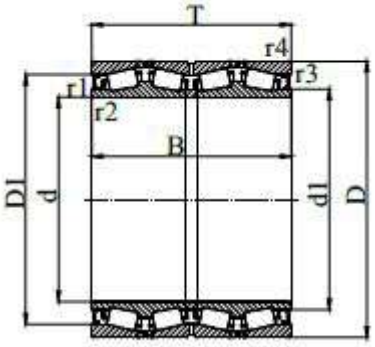


外形尺寸mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号		参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	FAG	kg
710.000	900.000	410.000	410.000	753	842	3.0	6.0	SFTB0048	710.000	8250	24000	0.33	2.0	3.0	2.0	BT4B334051G/HA1VA901		602
711.200	914.400	317.500	317.500	760	852	2.5	6.4	SFTB0049	711.200	6600	17300	0.37	1.8	2.7	1.8	BT4B329010G/HA1VA901		490
749.300	990.600	605.000	605.000	801	900	3.3	6.4	SFTB0050	749.300	13200	40500	0.37	1.8	2.7	1.8	BT4B334082G/HA1VA901		1274
762.000	1079.500	787.400	784.400	825	964	4.8	12.7	SFTB0051	762.000	21200	61000	0.35	1.9	2.9	1.8	BT4B334075G/HA1VA901		2248
825.500	1168.400	844.550	844.550	900	1050	4.8	12.7	SFTB0052	825.500	24600	73500	0.31	2.2	3.3	2.2	BT4B334135G/HA1VA901		2958
863.600	1169.987	844.550	844.550	912	1050	4.8	12.7	SFTB0053	863.600	23300	71000	0.37	1.8	2.7	1.8	BT4B334150G/HA4VA901		2630

Four-row Taper Roller Bearing(Seal Series)

WSW

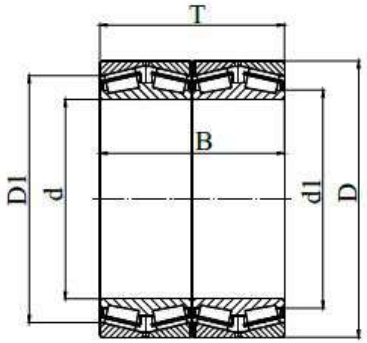


外形尺寸mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号		参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	FAG	kg
710.000	900.000	410.000	410.000	753	842	3.0	6.0	SFTB0048	710.000	8250	24000	0.33	2.0	3.0	2.0	BT4B334051G/HA1VA901		602
711.200	914.400	317.500	317.500	760	852	2.5	6.4	SFTB0049	711.200	6600	17300	0.37	1.8	2.7	1.8	BT4B329010G/HA1VA901		490
749.300	990.600	605.000	605.000	801	900	3.3	6.4	SFTB0050	749.300	13200	40500	0.37	1.8	2.7	1.8	BT4B334082G/HA1VA901		1274
762.000	1079.500	787.400	784.400	825	964	4.8	12.7	SFTB0051	762.000	21200	61000	0.35	1.9	2.9	1.8	BT4B334075G/HA1VA901		2248
825.500	1168.400	844.550	844.550	900	1050	4.8	12.7	SFTB0052	825.500	24600	73500	0.31	2.2	3.3	2.2	BT4B334135G/HA1VA901		2958
863.600	1169.987	844.550	844.550	912	1050	4.8	12.7	SFTB0053	863.600	23300	71000	0.37	1.8	2.7	1.8	BT4B334150G/HA4VA901		2630

Four-row Taper Roller Bearing
With Non-spacer Series

Four-row Taper Roller Bearing(Non-spacer Series)

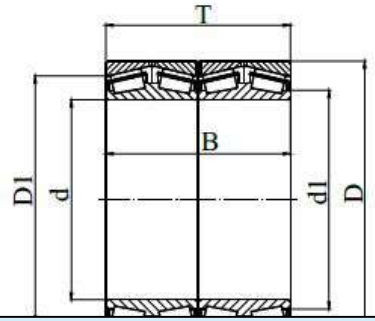
WSW



外形尺寸 mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号	参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	Kg
260.350	422.275	317.500	314.325	298	372	6.4	3.3	FTWS0001	260.350	4460	8000	0.33	2.0	3.0	2.0	BT4B331487BG/HA1	165
292.100	422.275	269.875	269.875	324	379	6.4	3.3	FTWS0002	292.100	3800	8000	0.31	2.2	3.3	2.2	BT4B331968BG/HA1	125
304.800	419.100	269.875	269.875	328	378	1.0	6.4	FTWS0003	304.800	2920	6700	0.31	2.2	3.3	2.2	BT4-8057G/HA1C300VA901	105
	495.300	342.900	342.900	350	440	2.0	6.4	FTWS0004		5120	9300	0.40	1.7	2.5	1.6	BT4-8061G/HA1C400VA901	245
304.902	412.648	266.700	266.700	325	374	3.3	3.3	FTWS0005	304.902	3190	7500	0.31	2.2	3.3	2.2	BT4-0004G/HA1	100
317.500	422.275	269.875	269.875	342	384	1.5	3.3	FTWS0006	317.500	3360	8150	0.31	2.2	3.3	2.2	330870BG	105
	422.275	269.875	269.875	338	389	1.5	3.3	FTWS0007		3250	6550	0.33	2.0	3.0	2.0	BT4B334023E1/C675	94.5
	447.675	327.025	327.025	340	398	3.3	3.3	FTWS0008		4730	10800	0.33	2.0	3.0	2.0	BT4B331161BG/HA1	165
330.302	438.023	254.000	247.650	354	394	1.5	3.3	FTWS0009	330.302	2810	7350	0.46	1.5	2.2	1.4	BT4B331664AG/HA1	105
333.375	469.900	342.900	342.900	362	420	3.3	3.3	FTWS0010	333.375	4130	10200	0.33	2.0	3.0	2.0	BT4-8017/HA1C600VA941	185
340.000	520.000	323.500	323.500	378	490	6.0	6.0	FTWS0011	340.000	5610	10400	0.30	2.3	3.4	2.2	BT4B332963B/HA1	240
342.900	533.400	301.625	307.975	390	475	3.3	3.3	FTWS0012	342.900	4730	8800	0.33	2.0	3.0	2.0	BT4-8034G/HA1	240
343.052	457.098	254.000	254.000	366	413	1.5	3.3	FTWS0013	343.052	3450	6800	0.48	1.4	2.1	1.4	330661E/C475	110
	457.098	254.000	254.000	362	420	1.0	3.3	FTWS0014		3350	6400	0.48	1.4	2.1	1.4	BT4B328817E1/C475	110
	457.098	254.000	254.000	362	420	1.0	3.3	FTWS0015		2550	6000	0.68	1.0	1.5	1.0	BT4B334106BG/wHA1C300VA901	105
347.662	469.900	260.350	260.350	372	430	1.5	3.3	FTWS0016	347.662	3910	8500	0.33	2.0	3.0	2.0	BT4B331077BG/HA1	125
355.000	490.000	316.000	316.000	382	446	1.5	3.3	FTWS0017	355.000	4460	10000	0.33	2.0	3.0	2.0	BT4-8020G/HA1VA901	170
355.600	482.600	269.875	265.113	382	432	1.5	3.3	FTWS0018	355.600	4000	8000	0.48	1.4	2.1	1.4	330662E/C480	140
	482.600	269.875	265.113	380	436	1.5	3.3	FTWS0019		3550	7500	0.46	1.5	2.2	1.4	BT4B328870EX1/C480	134
	488.950	317.500	317.500	392	448	1.5	3.3	FTWS0020		4460	11000	0.33	2.0	3.0	2.0	331271BG BT4B328912E3/C675	180
	488.950	317.500	317.500	382	446	1.0	3.3	FTWS0021		5100	10000	0.33	2.0	3.0	2.0		170
360.000	540.000	325.000	325.000	398	485	1.5	3.0	FTWS0022	360.000	5720	10800	0.30	2.3	3.4	2.2	BT4-8015G/HA1	250
380.000	560.000	360.000	390.000	417	500	3.3	5.0	FTWS0023	380.000	6710	13700	0.40	1.7	2.5	1.6	BT4-8033G/HA1	300
384.175	546.100	400.050	400.050	416	496	3.3	6.4	FTWS0024	384.175	6160	15000	0.35	1.9	2.9	1.8	BT4-8025G/HA1C300VA903	300
385.762	514.350	317.500	317.500	411	471	1.0	3.3	FTWS0025	385.762	4180	10000	0.40	1.7	2.5	1.6	BT4B334042BG/HA1VA901	175
406.400	546.100	288.925	288.925	434	494	1.5	6.4	FTWS0026	406.400	5000	10200	0.48	1.4	2.1	1.4	BT4B330650E/C500	186

Four-row Taper Roller Bearing(Non-spacer Series)

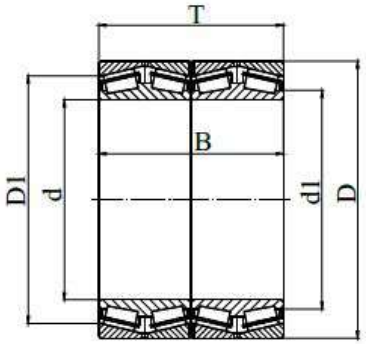
WSW



外形尺寸 mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号	参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	Kg
406.400	546.100	288.925	288.925	434	498	1.5	6.4	FTWS0027	406.400	4180	9500	0.48	1.4	2.1	1.4	BT4B328838BG/HA1VA901	180
	546.100	288.925	288.925	434	498	1.5	6.4	FTWS0028		4180	9500	0.48	1.4	2.1	1.4	BT4B328838BG/HA1VA902	180
	546.100	288.925	288.925	434	498	1.5	6.4	FTWS0029		3300	7800	0.68	1.0	1.5	1.0	BT4-8014G/HA1VA901	185
	546.100	288.925	268.288	434	494	1.5	6.4	FTWS0030		4180	9500	0.48	1.4	2.1	1.4	331465BG BT4B334093BG/HA1VA902	180
	546.100	330.000	330.000	434	498	1.5	6.4	FTWS0031		4400	10200	0.48	1.4	2.1	1.4	BT4B334092AG/HA1	200
	546.100	330.000	330.000	438	498	1.5	6.4	FTWS0032		5010	13200	0.43	1.6	2.3	1.6	BT4-8002G/HA1	225
	565.150	440.000	440.000	436	508	1.5	6.4	FTWS0033		7650	18600	0.33	2.0	3.0	2.0		340
409.575	546.100	334.962	334.962	434	498	1.0	6.4	FTWS0034	409.575	4840	12000	0.40	1.7	2.5	1.6	BT4-8021G/HA1VA919	205
	546.100	334.962	334.962	434	498	1.0	6.4	FTWS0035		4840	12000	0.40	1.7	2.5	1.6	BT4B329004BG/HA1VA901	205
	546.100	334.962	334.962	438	490	1.5	6.4	FTWS0036		5010	13200	0.43	1.6	2.3	1.6	BT4B331333BG/HA1	220
420.000	574.000	480.000	480.000	450	530	2.5	5.0	FTWS0037	420.000	7210	18600	0.31	2.2	3.3	2.2	BT4-8018G/HA1VA901	345
430.000	570.000	380.000	380.000	458	510	2.0	5.0	FTWS0038	430.000	5280	14000	0.44	1.5	2.3	1.4	BT4-8049G/HA1	260
	575.000	380.000	380.000	458	518	1.5	5.0	FTWS0039		6440	16600	0.40	1.7	2.5	1.6	BT4-8006BG/HA1	280
	640.000	465.000	465.000	486	578	2.5	4.0	FTWS0040		9520	21200	0.26	2.6	3.9	2.5	BT4-8040G/HA4	530
431.800	571.500	279.400	279.400	458	530	1.5	3.3	FTWS0041	431.800	3740	9000	0.54	1.3	1.8	1.3	BT4-8019G/HA1VA901	185
	571.500	336.550	336.550	458	516	1.5	3.3	FTWS0042		5280	14000	0.44	1.5	2.3	1.4	BT4B331226BG/HA1	240
	571.500	336.550	336.550	458	530	1.5	3.3	FTWS0043		4840	12700	0.44	1.5	2.3	1.4	BT4-8003G/HA1VA902	215
440.000	590.000	480.000	480.000	468	539	1.0	5.0	FTWS0044	440.000	7650	20000	0.28	2.4	3.6	2.5	BT4B334055ABG/HA1VA902	365
447.600	635.000	463.500	463.500	488	588	3.3	6.4	FTWS0045	447.600	7650	20000	0.33	2.0	3.0	2.0	BT4-8039G/HA1VA901	470
450.000	595.000	368.000	368.000	484	550	3.0	6.0	FTWS0046	450.000	5280	13700	0.31	2.2	3.3	2.2	BT4-8023G/HA1VA919	265
	595.000	368.000	368.000	486	542	3.0	6.0	FTWS0047		6800	16300	0.33	2.0	3.0	2.0	BT4B332773E/C725	285
	595.000	404.000	404.000	480	545	2.0	6.0	FTWS0048		5940	16300	0.33	2.0	3.0	2.0	BT4-8044G/HA1VA902	305
	595.000	415.000	415.000	478	544	1.5	6.0	FTWS0049		7040	19000	0.31	2.2	3.3	2.2	BT4-8024G/HA1	320
457.200	596.900	279.400	276.225	484	550	1.5	3.3	FTWS0050	457.200	4290	10000	0.48	1.4	2.1	1.4	BT4B328827ABG/HA1VA902	190
	596.900	279.400	276.225	484	550	1.5	3.3	FTWS0051		4900	10000	0.48	1.4	2.1	1.4	BT4B328827E2/C500	190
460.000	610.000	360.000	360.000	479	565	3.0	6.0	FTWS1051	460.000	7500	16300	0.33	2.0	3.0	2.0	BT4B331977E/C725	290

Four-row Taper Roller Bearing(Non-spacer Series)

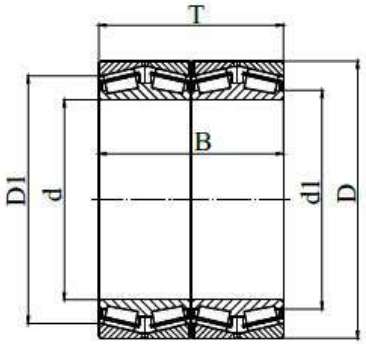
WSW



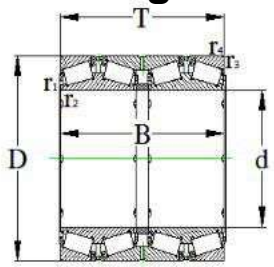
外形尺寸 mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号	参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	Kg
475.000	600.000	368.000	368.000	500	554	2.0	6.0	FTWS0052	475.000	5720	16600	0.30	2.3	3.4	2.2	BT4B328913BG/HA1C555	250
	640.000	360.000	360.000	512	568	2.0	6.0	FTWS0053		5500	15300	0.33	2.0	3.0	2.0	BT4-8035G/HA1	335
479.425	679.450	495.300	495.300	520	610	3.3	6.4	FTWS0054	479.425	10100	25500	0.33	2.0	3.0	2.0	BT4B330866CG/HA1	585
	679.450	495.300	495.300	520	610	3.3	6.4	FTWS0055		9350	22400	0.33	2.0	3.0	2.0	BT4B334116BG/HA1VA901	565
482.600	615.950	330.200	330.200	512	570	3.3	6.4	FTWS0056	482.600	6300	15300	0.33	2.0	3.0	2.0	330641E/C725	240
	615.950	330.200	330.200	505	577	1.0	6.4	FTWS0057		6100	13700	0.33	2.0	3.0	2.0	BT4B328842E1/C725	233
	615.950	330.200	330.200	505	577	1.0	6.4	FTWS0058		6100	13700	0.33	2.0	3.0	2.0	BT4B328842E2/C725	233
	615.950	330.200	419.100	505	577	1.0	6.4	FTWS0059		5280	13700	0.33	2.0	3.0	2.0	BT4B334072BG/HA1VA901	240
	615.950	330.200	419.100	505	577	1.0	6.4	FTWS0060		5280	13700	0.33	2.0	3.0	2.0	BT4B334072BG/HA1VA903	240
	615.950	330.200	330.200	505	577	1.0	6.4	FTWS0061		5280	13700	0.33	2.0	3.0	2.0	BT4B328842ABG/HA1VA902	230
	615.950	330.200	330.200	512	570	6.4	6.4	FTWS0062		5500	15300	0.33	2.0	3.0	2.0	332096BG3	240
	615.950	330.200	419.100	512	570	3.5	6.4	FTWS0063		5500	15300	0.33	2.0	3.0	2.0	BT4B331626BG/HA1	250
	615.950	420.000	420.000	505	577	2.8	4.4	FTWS0064		5500	15300	0.33	2.0	3.0	2.0	BT4-8062G/HA1VA901	280
	635.000	421.000	421.000	512	578	3.0	6.4	FTWS0065		7370	20400	0.33	2.0	3.0	2.0	BT4B334105BG/HA1	365
489.026	634.873	320.675	320.675	522	584	3.3	3.3	FTWS0066	489.026	6300	14600	0.35	1.9	2.9	1.8	331090E/C700	267
	634.873	320.675	320.675	516	588	2.5	3.3	FTWS0067		5230	12500	0.37	1.8	2.7	1.8	BT4B334014AAG/HA1C300VA901	240
501.650	711.200	520.700	520.700	550	655	3.3	6.4	FTWS0068	501.650	8090	19600	0.33	2.0	3.0	2.0	BT4-8059G/HA1VA901	610
510.000	655.000	379.000	377.000	539	602	1.5	6.4	FTWS0069	510.000	7800	19000	0.33	2.0	3.0	2.0	BT4B331747E/C775	323
514.350	673.100	422.275	422.275	537	606	3.3	6.4	FTWS0070	514.350	6820	19000	0.33	2.0	3.0	2.0	BT4-8045G/HA1VA901	395
	673.100	422.275	422.275	545	614	3.3	6.4	FTWS0071		7810	21600	0.31	2.2	3.3	2.2	331157BG	405
530.000	680.000	440.000	440.000	558	624	1.5	3.0	FTWS0072	530.000	8250	23600	0.33	2.0	3.0	2.0	BT4-8043G/HA1	405
540.000	690.000	400.000	400.000	568	635	2.0	5.0	FTWS0073	540.000	8150	21200	0.40	1.7	2.5	1.6	BT4-8108E/C625	364
	690.000	440.000	440.000	565	636	2.0	5.0	FTWS0074		7480	21200	0.33	2.0	3.0	2.0	BT4-8038G/HA1VA901	395
558.800	736.600	409.575	409.575	594	672	3.3	6.4	FTWS0075	558.800	8250	22000	0.35	1.9	2.9	1.8	BT4B330993AG/HA1	480
	736.600	457.200	455.612	591	666	3.3	6.4	FTWS0076		8580	23200	0.35	1.9	2.9	1.8	BT4-8022G/HA1VA919	515
584.200	730.250	349.250	342.900	601	678	1.5	3.3	FTWS1077	584.200	6800	17000	0.43	1.6	2.3	1.6	BT4B331189E/C600	327

Four-row Taper Roller Bearing(Non-spacer Series)

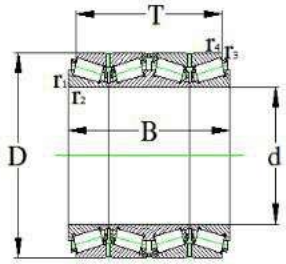
WSW



外形尺寸 mm								轴承代号	内径mm	基本载荷KN		计算参数				参考国外轴承代号	参考重量
d	D	T	B	d_1	D_1	$r_{1,2min}$	$r_{3,4min}$		d	Cr	Cor	e	Y_1	Y_2	Y_0	SKF	Kg
585.788	711.525	479.425	479.425	622	704	3.3	6.4	FTWS0077	585.788	10600	30000	0.33	2.0	3.0	2.0	BT4B331093BG/HA1	620
595.312	844.550	615.950	615.950	642	754	3.3	6.4	FTWS0078	595.312	17300	39000	0.33	2.0	3.0	2.0	BT4B331300E/C775	1180
609.600	787.400	361.950	361.950	645	735	3.3	6.4	FTWS0079	609.600	7370	18600	0.37	1.8	2.7	1.8	BT4-8054G/HA1VA902	425
620.000	800.000	363.500	363.500	655	740	2.0	6.0	FTWS0080	620.000	7040	18000	0.37	1.8	2.7	1.8	BT4-8055G/HA1VA902	440
625.000	815.000	480.000	480.000	656	746	3.2	6.5	FTWS0081	625.000	13200	31000	0.33	2.0	3.0	2.0	BT4-8031E/C800	660
650.000	1040.000	610.000	610.000	740	905	15.0	10.0	FTWS0082	650.000	17600	36500	0.31	2.2	3.3	2.2	BT4-8036G/HA1	1970
	1040.000	610.000	610.000	730	905	15.0	10.0	FTWS0083		17600	36500	0.31	2.2	3.3	2.2	BT4-8037G/HA1VA901	1970
660.000	1070.000	648.000	648.000	760	960	6.0	10.0	FTWS0084	660.000	19000	38000	0.31	2.2	3.3	2.2	BT4-8060G/HA4C300VA901	2260
660.400	812.800	365.125	365.125	698	756	3.3	6.4	FTWS0085	660.400	7210	22400	0.33	2.0	3.0	2.0	BT4B331190BG/HA1	415
	812.800	365.125	365.125	692	784	2.0	6.4	FTWS0086		7210	20400	0.33	2.0	3.0	2.0	BT4B328977BG/HA1VA901	395
679.450	901.700	552.450	552.450	722	824	3.3	6.4	FTWS0087	679.450	13200	36000	0.33	2.0	3.0	2.0	BT4B334015BG/HA1VA901	970
685.800	876.000	355.600	352.425	730	805	3.3	6.4	FTWS0088	685.800	7810	22000	0.43	1.6	2.3	1.6	BT4B331089CG/HA1	525
	876.300	355.600	352.425	730	818	3.3	6.4	FTWS0089		7650	20000	0.37	1.8	2.7	1.8	BT4B328955ABG/HA1VA902	505
	876.300	355.600	352.425	730	818	3.3	6.4	FTWS0090		7650	20000	0.37	1.8	2.7	1.8	BT4B328955BG/HA1VA902	505
710.000	900.000	410.000	410.000	750	835	3.0	6.0	FTWS0091	710.000	9680	27000	0.35	1.9	2.9	1.8	BT4B331351BG/HA1	620
750.000	950.000	410.000	410.000	800	878	3.0	6.0	FTWS0092	750.000	10800	26500	0.37	1.8	2.7	1.8	BT4-8048E/C725	705
762.000	1066.800	736.600	723.900	825	952	8.9	12.7	FTWS0093	762.000	22000	58500	0.33	2.0	3.0	2.0	BT4B331907BG/HA4	2090

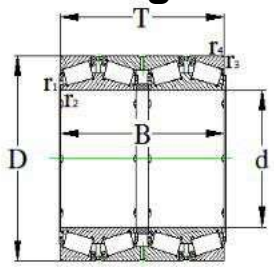


1型 (TQO)

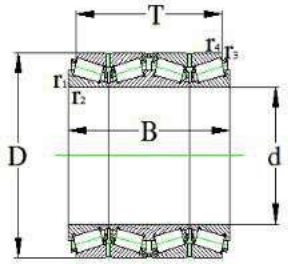


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号 New	旧代号 Old							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor				e	Y1	Y2	Y0	K	Refer.
152.781	244.475	187.325	192.088	1.6	3.2	1100	1980	81603D/81962/81963D		1	0.35	1.93	2.88	1.89	1.67	31.7
158.75	304.8	233.365	238.227	3.2	3.2	1880	3210	EE280625D/281200/281201D		1	0.36	1.87	2.79	1.83	1.62	78.2
160	226	165	165	3	2.5	925	2060	160TQO226-1		1	0.29	2.3	3.4	2.3	2.01	20.5
	240	130	130	3	2.5	790	1420	160TQO240-1		1	0.4	1.7	2.5	1.7	1.46	19.9
	240	145	145	2.5	2	811	1510	160TQO240-2		1	0.33	2.03	3.02	1.98	1.77	22.2
	250	145	145	3	2.5	1090	1870	160TQO250-1		1	0.33	2.03	3.02	1.98	1.77	25.3
	265	173	173	3	2.5	1320	2210	160TQO265-1		1	0.4	1.7	2.5	1.7	1.46	36.2
	270	180	180	3	2.5	1320	2210	160TQO270-1		1	0.4	1.7	2.5	1.7	1.46	40.3
165	270	240	240	6	3	1780	3600	165TQO270-1		1	0.36	1.9	2.8	1.8	1.62	55
165.1	225.425	168.275	165.1	0.8	3.2	868	2140	46791D/46720/46720D		1	0.38	1.77	2.63	1.73	1.54	19.8
168.275	247.65	192.088	192.088	1.6	3.2	1190	2800	67782D/67720/67721D		1	0.44	1.54	2.29	1.5	1.33	31.7
170	230	175	175	2.5	2.5	990	2310	170TQO230-1		1	0.34	2	2.9	1.9	1.72	20.6
	240	175	175	3	2.5	1100	2400	170TQO240-1		1	0.4	1.7	2.5	1.7	1.46	24.5
	260	230	230	3	2.5	950	1660		2077134	1	0.31	2.2	3.2	2.1	1.88	43
	260	144	144	3	2.5	950	1660	170TQO260-1		1	0.4	1.7	2.5	1.7	1.46	25.7
	260	160	160	3	2.5	1160	2100	170TQO260-2		1	0.39	1.7	2.6	1.7	1.50	29.5
	280	181	181	3	2.5	1500	2570	170TQO280-1		1	0.4	1.7	2.5	1.7	1.46	42.3
	280	185	185	3	2.5	1500	2570	170TQO280-2		1	0.4	1.7	2.5	1.7	1.46	43
177.8	247.65	188.913	188.913	1.6	3.2	1190	2800	67790D/67720/67720D		1	0.44	1.54	2.29	1.5	1.33	27.5
	247.65	192.088	192.088	1.5	3.3	1230	3000	67790DW/67720/67721D		1	0.44	1.5	2.3	1.4	1.33	29
	273.05	234.947	234.95	1.6	3.2	1660	3290	82681D/82622/82622D		1	0.52	1.29	1.92	1.26	1.12	46.9
	279.4	234.947	234.95	1.6	3.2	1660	3290	82681D/82620/82620D		1	0.52	1.29	1.92	1.26	1.12	51.9
	285.75	222.245	222.5	1.6	3.2	1520	2860	EE91700D/91112/91113XD		1	0.43	1.57	2.34	1.53	1.36	53.7
	288.925	263.525	263.525	1.6	3.2	1890	3840	94706D/94113/94114D		1	0.47	1.44	2.15	1.41	1.24	67.4
	288.925	266.7	266.7	1.6	3.2	2150	3890	HM237545D/HM237510/HM237511XD		1	0.32	2.12	3.15	2.07	1.82	64.9
177.8	298.45	263.525	263.525	1.6	3.2	1890	3840	94706D/94118/94118D		1	0.47	1.44	2.15	1.41	1.24	76.4
	304.8	233.362	238.23	3.3	3.3	1900	3250	EE280700D/281200/281201D		1	0.36	1.9	2.8	1.8	1.62	68

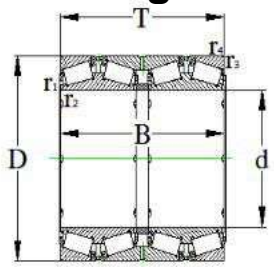


1型 (TQO)

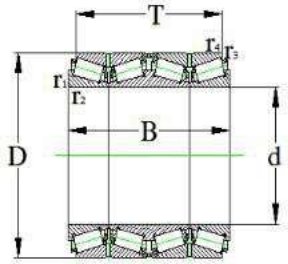


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old		e	Y1	Y2	Y0	K	Refer.
180	250	185	185	2.5	2	1160	2720	180TQO250-1		1	0.44	1.5	2.3	1.5	1.33	27.9
	254	185	185	2	2.5	1230	2750	180TQO254-1		1	0.47	1.4	2.1	1.4	1.24	29.2
	260	160	160	2.5	2	1030	2040	180TQO260-1		1	0.37	1.8	2.7	1.8	1.58	27.1
	260	200	200	2.5	2	1260	2690	180TQO260-2		1	0.35	1.9	2.8	1.9	1.67	34.1
	280	158	158	3	2.5	1230	2240	180TQO280-1		1	0.35	1.9	2.9	1.9	1.67	35.4
	280	180	180	3	2.5	1510	2830		77736	1	0.45	1.5	2.2	1.5	1.30	39.6
	280	181	181	3	2.5	1510	2830	180TQO280-2		1	0.33	2.03	3.02	1.98	1.77	39.3
	300	202	202	3	3	1610	2720	180TQO300-1		1	0.4	1.7	2.5	1.7	1.46	54.5
	300	280	280	3	3	2210	4350	180TQO300-2		1	0.34	2	3	1.9	1.72	79.8
180.975	269.875	211.138	211.138	1.6	3.2	1410	3220	M238843D/M238810/M238810D		1	0.33	2.03	3.02	1.98	1.77	42.2
187.325	269.875	211.138	211.138	1.6	3.2	1410	3220	M238849D/M238810/M238810D		1	0.33	2.03	3.02	1.98	1.77	39.6
187.325	282.575	190.05	190.05	0.8	3.2	1200	2830	67975D/67920/67921XD		1	0.51	1.33	1.97	1.3	1.14	43.2
190	260	200	200	2.5	2	1260	3690	190TQO260-1		1	0.36	1.9	2.8	1.8	1.62	29
	268	196	196	3	2.5	1380	3100	190TQO268-1		1	0.4	1.7	2.5	1.7	1.46	34.1
	270	160	160	1	2.5	1170	2370	190TQO270-1		1	0.4	1.68	2.5	1.64	1.46	28
	270	190	190	1.5	2.5	1380	3100	190TQO270-2		1	0.4	1.7	2.5	1.7	1.46	34.7
	290	160	160	3	2.5	1250	2210	190TQO290-1		1	0.39	1.7	2.6	1.7	1.50	36.1
	292.1	225.425	225.425	1.6	3.2	1870	4110	M241538D/M241510/M241510D		1	0.33	2.03	3.02	1.98	1.77	55.2
	320	218	218	3	3	1990	3550	190TQO320-1		1	0.4	1.7	2.5	1.7	1.46	71.2
190.5	266.7	188.913	187.325	1.6	3.2	1160	2810	67885D/67820/67820D		1	0.48	1.42	2.11	1.38	1.22	32.4
	368.3	327.025	320.675	3.2	3.2	3220	5840	EE420750D/421450/421451D		1	0.4	1.68	2.5	1.64	1.46	163
198.438	284.163	225.425	225.425	1.6	3.2	1740	3780	M240648D/M240611/M240611D		1	0.33	2.03	3.02	1.98	1.77	42.7
200	280	206	206	3	2.5	1530	3450	200TQO280-1		1	0.4	1.7	2.5	1.7	1.46	38.1
	280	220	220	1	2.5	1500	3600	200TQO280-2		1	0.4	1.68	2.5	1.64	1.46	41.7
	282	206	206	3	2.5	1530	3450	200TQO282-1		1	0.4	1.7	2.5	1.7	1.46	39.6
200	310	174	174	3	2.5	1380	2640	200TQO310-1		1	0.4	1.7	2.5	1.7	1.46	47.2
	310	200	200	3	2.5	1660	3100		77740	1	0.39	1.7	2.6	1.7	1.50	53.6
	310	275	275	3	2.5	1660	3100		2077140	1	0.39	1.7	2.6	1.7	1.50	75.1
	340	234	234	3	3	2220	4100	200TQO340-1		1	0.4	1.7	2.5	1.7	1.46	87.3

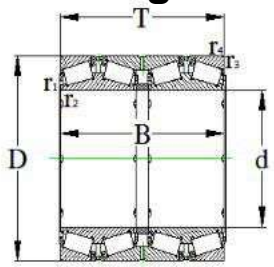


1型 (TQO)

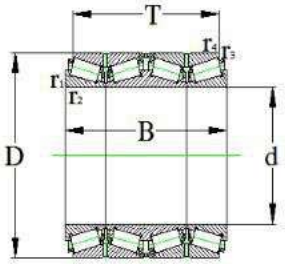


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
203.2	314.325	239.713	239.713	1.6	3.2	2100	4890	M244240DW/M244210/M244210D		1	0.33	2.03	3.02	1.98	1.77	70.2
	317.5	209.55	209.55	3.2	3.2	1510	2900	EE132081D/132125/132126D		1	0.31	2.15	3.2	2.1	1.88	60.2
	317.5	209.55	215.9	3.2	3.2	1510	2900	EE132082D/132125/132126D		1	0.31	2.15	3.21	2.11	1.88	60.9
	317.5	266.7	266.7	1.6	3.2	2070	4540	93800D/93125/93127D		1	0.52	1.29	1.92	1.26	1.12	76.8
	368.3	327.025	320.675	3.2	3.2	3220	5840	EE420800D/421450/421451D		1	0.4	1.68	2.5	1.64	1.46	153
	368.3	327.025	327.025	3.2	3.2	3220	5840	EE420801D/421450/421451D		1	0.4	1.68	2.5	1.64	1.46	154
205	320	203.5	203.5	4	3	1900	3650	205TQO320-1		1	0.46	1.5	2.2	1.4	1.29	54.5
	320	205	205	3	3	1710	3150		77741	1	0.4	1.7	2.5	1.7	1.46	58.1
206.375	282.575	184.15	184.15	0.8	3.2	1200	2830	67985D/67920/67920D		1	0.51	1.33	1.97	1.3	1.14	33.9
	282.575	190.5	190.5	0.8	3.2	1200	2830	67986D/67920/67921D		1	0.51	1.33	1.97	1.3	1.14	34.1
215.9	288.925	177.8	177.8	0.8	3.2	1220	3120	LM742749D/LM742714/LM742714D		1	0.48	1.4	2.09	1.37	1.22	32.5
	336.55	266.7	266.7	6.4	3.2	2430	4760	47T433427		1	0.5	1.34	2	1.32	1.17	85.1
	355.6	254	254	1.6	1.6	2490	5220	EE130850D/131400/131401D		1	0.33	2.04	3.04	2	1.77	104
	355.6	260.35	260.35	1.6	1.6	2490	5220	EE130850D/131400/131402D		1	0.33	2.04	3.04	2	1.77	106
	355.6	269.875	273.05	6.4	3.2	2260	5260	96851D/96140/96140D		1	0.59	1.14	1.7	1.12	0.99	111
216.103	330.2	269.875	263.525	1.6	3.2	2270	4710	9974D/9920/9920D		1	0.55	1.22	1.82	1.19	1.06	79.7
220	300	230	230	3	2.5	1650	4000	220TQO300-1		1	0.41	1.7	2.5	1.6	1.42	47.1
	310	226	226	3	3	1770	4000	220TQO310-1		1	0.4	1.7	2.5	1.7	1.46	52.2
	320	200	200	1	3	1760	4050	220TQO320-1		1	0.33	2	3	2	1.76	54
	320	201	201	3	3	1660	3760	220TQO320-2		1	0.33	2.03	3.02	1.98	1.77	52
	320	250	250	3	3	2050	4750	220TQO320-3		1	0.33	2	3	2.0	1.77	68
	330	260	260	3	3	2250	4700	220TQO330-1		1	0.55	1.2	1.8	1.2	1.06	75.7
	340	190	190	3	3	1480	2790	220TQO340-1		1	0.4	1.7	2.5	1.7	1.46	60.5
220	340	303.5	303.5	4	3	3080	6700	220TQO340-2		1	0.43	1.6	2.3	1.6	1.36	100
	340	305	305	4	3	2910	5940		2077144	1	0.35	1.95	2.9	1.91	1.67	97.6
	370	250	250	4	4	2500	4500	220TQO370-1		1	0.39	1.7	2.6	1.7	1.50	106
220.663	314.325	239.713	239.713	1.6	3.2	2100	4890	M244249D/M244210/M244210D		1	0.33	2.03	3.02	1.98	1.77	56.9

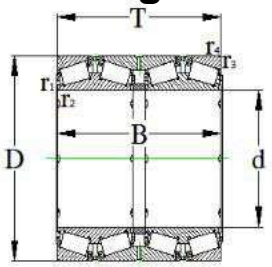


1型 (TQO)

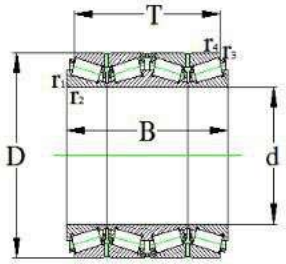


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
225	320	230	230	2.5	2	1800	4150	225TQO320-1		1	0.41	1.6	2.4	1.6	1.42	58.8
225.425	355.6	254	254	5.6	1.6	2490	5220	EE130887D/131400/131401D		1	0.33	2.04	3.04	2	1.77	97.2
	355.6	260.35	260.35	5.6	1.6	2490	5220	EE130887D/131400/131402D		1	0.33	2.04	3.04	2	1.77	99
228.6	311.15	200.025	200.025	1.6	3.2	1660	3760	LM245149D/LM245110/LM245110D		1	0.33	2.03	3.02	1.98	1.77	41.8
	355.6	254	254	5.6	1.6	2490	5220	EE130901D/131400/131401D		1	0.33	2.04	3.04	2	1.77	95
	355.6	260.35	266.7	1.5	1.5	2900	5000	EE130904DW/130400/130402D		1	0.34	2.0	3.0	1.9	1.69	101
	355.6	260.35	260.35	1.6	1.6	2490	5220	EE130900D/131400/131402D		1	0.33	2.04	3.04	2	1.77	96.9
	364	296.875	296.875	3.2	3.2	3030	5940	228TQO364A-1		1	0.32	2.12	3.15	2.07	1.82	115
	400.05	296.875	296.875	3.2	3.2	3120	5910	EE529091D/529157/529158XD		1	0.31	2.19	3.25	2.14	1.88	155
	400.05	327.025	330.2	3.2	3.2	3390	6420	EE430901D/431575/431576D		1	0.44	1.54	2.29	1.5	1.33	173
	425.45	361.95	349.25	3.6	6.4	4030	7900	EE700090D/700167/700168D		1	0.33	2.03	3.02	1.98	1.77	235
	425.45	361.95	355.6	3.2	6.4	4030	7900	EE700092D/700167/700168D		1	0.33	2.03	3.02	1.98	1.77	237
230	315	190	190	2.5	2	1510	3450	230TQO315-1		1	0.36	1.9	2.8	1.8	1.62	43.1
234.95	327.025	196.85	196.85	1.6	3.2	1600	3720	8576D/8520/8520D		1	0.41	1.66	2.47	1.62	1.42	47.4
235	325	240	240	1.5	2.5	2200	5310	235TQO325-1		1	0.33	2.03	3.02	1.98	1.77	60.5
240	320	250	250	3	2.5	1840	4750	240TQO320-1		1	0.33	2	3	2.0	1.77	54.7
	338	248	248	4	3	2380	5500	240TQO338-1		1	0.4	1.7	2.5	1.6	1.51	70
	350	230	230	1.5	2	2140	4500	240TQO350-1		1	0.42	1.6	2.4	1.6	1.39	72
	360	194	194	3	3	1850	3600	240TQO360-1		1	0.35	1.9	2.9	1.9	1.67	66.9
	360	218	218	3	3	2050	4150	240TQO360-2		1	0.43	1.6	2.3	1.5	1.36	76.5
	360	308.5	308.5	4	3	3300	7350	240TQO360-3		1	0.33	2	3	2	1.77	110
	360	310	310	4	3	3300	7350		2077148	1	0.31	2.2	3.2	2.1	1.9	90.5
240	365	290	290	2.5	2.5	2720	5700	240TQO365-1		1	0.46	1.5	2.2	1.4	1.27	106
	400	266	266	4	4	2680	4900	240TQO400-1		1	0.4	1.7	2.5	1.7	1.46	127
	410	270	270	5	4	3030	5490	240TQO410-1		1	0.29	2.32	3.45	2.26	2.01	145
241.224	349.148	228.6	228.6	1.6	3.2	1900	4100	EE127094D/127135/127136D		1	0.35	1.91	2.84	1.86	1.67	70.9
	355.498	228.6	228.6	1.6	3.2	1900	4100	EE127094D/127138/127139D		1	0.35	1.91	2.8/4	1.86	1.67	77.1



型 (TQO)

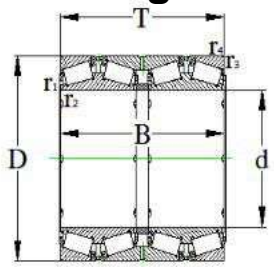


2型(TQI)

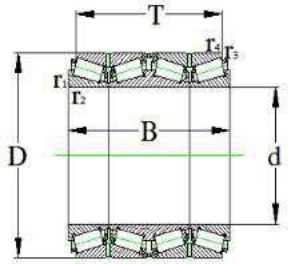
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号 / 旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New / Old		e	Y1	Y2	Y0	K	Refer.
241.3	368.3	204.47	204.622	1.6	3.2	1740	3700	EE170951D/171450/171451D	1	0.36	1.86	2.77	1.82	1.62	81.4
241.478	349.148	228.6	228.6	1.6	3.2	1900	4100	EE127097D/127135/127136D	1	0.35	1.91	2.84	1.86	1.67	70.4
	350.838	228.6	228.6	1.6	3.2	1900	4100	EE127097D/127137/127137D	1	0.35	1.91	2.84	1.86	1.67	72.4
	355.498	228.6	228.6	1.6	3.2	1900	4100	EE127097D/127138/127139D	1	0.35	1.91	2.84	1.86	1.67	76.9
244.475	327.025	193.675	193.675	1.6	3.2	1570	3780	LM247748D/LM247710/LM247710D	1	0.32	2.1	3.13	2.06	1.82	44.7
	381	304.8	304.8	3.2	4.8	2700	5870	EE126096D/126150/126151D	1	0.52	1.31	1.95	1.28	1.12	125
245	380	254	255.5	1.5	4	2640	5600	245TQO380-1	1	0.44	1.5	2.3	1.4	1.32	105
247.65	400.05	253.995	249.235	1.6	6.4	2600	5140	EE220975D/221575/221576D	1	0.39	1.71	2.54	1.67	1.50	119
250	350	240	240	1	2.5	2180	4970	250TQO350-1	1	0.4	1.68	2.5	1.64	1.46	66.4
	360	186	186	2.5	2	1770	3550	250TQO360-1	1	0.4	1.7	2.5	1.7	1.46	59.1
	365	270	270	2.5	3.3	2600	6150	250TQO365-1	1	0.33	2	3	2.0	1.77	96.2
	370	220	220	4	4	1980	4400	250TQO370-1	1	0.37	1.8	2.7	1.8	1.58	80.8
	381	320	320	2.5	3	3150	7100	250TQO381-1	1	0.55	1.2	1.8	1.2	1.06	130
	460	270	270	5	4	3470	6720	77750	1						192
250.825	431.724	298.453	292.895	3.6	3.6	3470	6720	HM252340D/HM252315/HM252315D	1	0.33	2.03	3.02	1.98	1.77	181
254	358.775	257.175	292.1	3.5	1.5	2860	7100	M249749/249749DW/249710D	2	0.33	2	3	2	1.76	90.5
	358.775	269.875	269.875	1.5	3.3	2860	7100	M249749DW/M249710/M249710D	1	0.33	2	3	2	1.76	88
	368.3	204.47	204.622	1.6	3.2	1740	3700	EE171000D/171450/171451D	1	0.36	1.86	2.77	1.82	1.62	73.6
	422.275	305.595	292.895	3.6	3.2	3470	6720	HM252343D/HM252310/HM252311D	1	0.33	2.03	3.02	1.98	1.77	165
	422.275	311.15	298.45	3.6	3.2	3470	6720	HM252343D/HM252310/HM252310D	1	0.33	2.03	3.02	1.98	1.77	168
	422.275	317.5	314.325	6.7	3.2	3470	6720	HM252342D/HM252310/HM252310D	1	0.33	2.03	3.02	1.98	1.77	171
	431.724	298.453	292.895	3.6	3.6	3470	6720	HM252344D/HM252315/HM252315D	1	0.33	2.03	3.02	1.98	1.77	179
	444.5	279.4	279.4	3.2	6.4	2950	5540	EE822101D/822175/822176D	1	0.42	1.62	2.42	1.59	1.39	180
260	360	265	265	3	2.5	2520	5950	382952/HC	1						77.8
	360	272	272	3	2.5	2520	5950	260TQO360-1	1	0.34	2	3	1.9	1.72	82.2
	368	268	268	4	4	2490	5550	260TQO368-1	1	0.32	2.1	3.2	2.1	1.82	87.1
	400	213	213	4	4	2230	4200	260TQO400-1	1	0.4	1.7	2.5	1.7	1.46	92.9

Four-row Taper Roller Bearing

WSW

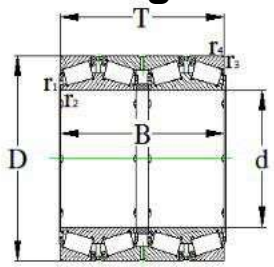


1型 (TQO)

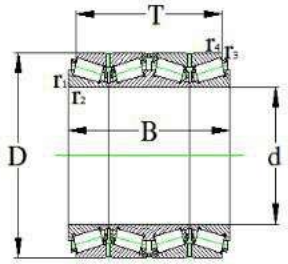


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号 New	旧代号 Old							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor				e	Y1	Y2	Y0	K	Refer.
260	400	220	220	4	4	2230	4200	260TQO400-2		1	0.4	1.7	2.5	1.7	1.46	96
	400	255	255	5	7.5	2620	5400		77752	1	0.39	1.72	2.56	1.68	1.50	113
	400	320	320	4	4	3750	7950	260TQO400-4		1	0.35	1.9	2.8	1.9	1.67	144
	400	344	344	5	4	3770	7920	260TQO400-5		1	0.29	2.32	3.45	2.26	2.01	155
	400	345	345	5	4	3770	7920	382052		1						
	440	298.5	298.5	2.5	5	3910	7350	260TQO440-1		1	0.54	1.25	1.8	1.3	1.07	190
	440	300	300	5	4	3550	8250		777752	1	0.35	1.9	2.9	1.9	1.67	196
260.35	365.125	228.6	228.6	3.2	6.4	1940	4300	EE134103D/134143/134144D		1	0.37	1.8	2.69	1.76	1.58	72
	400.05	253.995	249.235	6.4	6.4	2600	5140	EE221025D/221575/221576D		1	0.39	1.71	2.54	1.67	1.50	109
	400.05	253.995	255.585	1.6	6.4	2600	5140	EE221027D/221575/221576D		1	0.39	1.71	2.54	1.67	1.50	110
	422.275	305.595	292.895	3.6	3.2	3470	6720	HM252347D/HM252310/HM252311D		1	0.33	2.03	3.02	1.98	1.77	159
	422.275	311.15	298.45	3.6	3.2	3470	6720	HM252347D/HM252310/HM252310D		1	0.33	2.03	3.02	1.98	1.77	162
	422.275	317.5	314.325	6.4	3.2	3470	6720	HM252349D/HM252310/HM252310D		1	0.33	2.03	3.02	1.98	1.77	166
	431.724	298.453	292.895	3.6	3.6	3470	6720	HM252347D/HM252315/HM252315D		1	0.33	2.03	3.02	1.98	1.77	173
266.7	355.6	228.6	230.188	1.6	3.2	2080	5100	LM451349D/LM451310/LM451310D		1	0.36	1.87	2.79	1.83	1.62	62.2
	393.7	269.878	269.878	3.2	6.4	2530	6170	EE275106D/275155/275156D		1	0.4	1.68	2.5	1.64	1.46	108
	406.4	260.335	268.29	3.2	6.4	2530	6170	EE275106D/275160/275161D		1	0.4	1.68	2.5	1.64	1.46	128
269.875	381	282.575	282.575	3.2	3.2	2930	6690	M252349D/M252310/M252310D		1	0.33	2.03	3.02	1.98	1.77	99.7
270	364	260	260	1.5	2	2240	5700	270TQO364-1		1	0.39	1.7	2.6	1.7	1.50	76.7
	410	222	222	4	4	2320	4400	270TQO410-1		1	0.35	1.9	2.9	1.9	1.67	99.7
276.225	380.898	203.2	187.325	3.3	6.4	1650	3600	89108D/89149/89149XD		1	0.58	1.2	1.7	1.1	1.01	64.4
	381	193.675	187.325	3.2	3.2	1610	3900	89108D/89148/89151XD		1	0.59	1.15	1.72	1.13	0.99	64.2
276.225	381	209.55	187.325	3.2	6.4	1610	3900	89108D/89150/89151XD		1	0.59	1.15	1.72	1.13	0.99	67.2
	393.7	269.878	269.878	1.6	6.4	2530	6170	EE275109D/275155/275156D		1	0.4	1.68	2.5	1.64	1.46	105
	406.4	260.335	268.29	1.6	6.4	2530	6170	EE275109D/275160/275161D		1	0.4	1.68	2.5	1.64	1.46	119
279.4	381	269.875	269.875	1.5	3.3	2920	7500	279TQO381A-1		1	0.35	1.9	2.9	1.8	1.64	91
	393.7	269.875	269.875	1.6	6.4	2410	5560	EE135111D/135155/135156D		1	0.38	1.77	2.64	1.73	1.54	101
	407	288	320	3.5	1.5	3580	9000	M255449/M255440DW/M255411		2	0.33	2	3	2	1.73	140
	410	310	310	1.6	6.4	3120	7290	279TQO410-1		1	0.4	1.68	2.5	1.64	1.46	140



1型 (TQO)

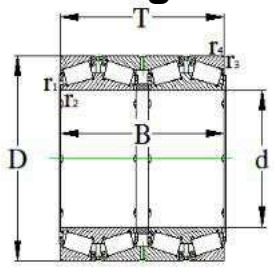


2型(TQI)

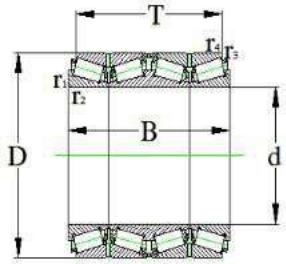
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号 New	旧代号 Old							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor				e	Y1	Y2	Y0	K	Refer.
279.4	469.9	349.25	346.075	6.4	3.2	4210	8740	EE722111D/722185/722186D		1	0.38	1.79	2.67	1.75	1.54	247
	469.9	390.525	384.175	9.5	3.2	4210	8740	EE722112D/722185/722186D		1	0.38	1.79	2.67	1.75	1.54	265
	495.3	285.75	282.735	1.6	3.2	3500	6440	EE941106D/941950/941951XD		1	0.4	1.68	2.5	1.64	1.46	236
	495.3	292.1	289.085	1.6	3.2	3500	6440	EE941106D/941950/941952XD		1	0.4	1.68	2.5	1.64	1.46	240
279.578	380.898	244.475	244.475	1.6	3.2	2280	5650	LM654644D/LM654610/LM654610D		1	0.43	1.57	2.34	1.53	1.36	76.9
	381	193.675	187.325	3.2	3.2	1610	3900	89111D/89148/89151XD		1	0.59	1.15	1.72	1.13	0.99	62.1
	381	209.55	187.325	3.2	6.4	1610	3900	89111D/89150/89151XD		1	0.59	1.15	1.72	1.13	0.99	65.1
	495.3	292.1	289.085	1.5	3.3	3700	7150	EE941106D/941950/941952XD		1	0.4	1.7	2.5	1.7	1.46	240
280	380	290	290	1	2.5	3030	8000	280TQO380-1		1	0.28	2.4	3.6	2.5	2.07	95
	395	288	288	2	4	3470	8300	280TQO395-1		1	0.28	2.4	3.6	2.5	2.12	110
	420	224	224	4	4	2480	4950	280TQO420-1		1	0.4	1.7	2.5	1.7	1.46	109
	420	250	250	4	4	2780	5700		77756	1	0.42	1.6	2.4	1.6	1.39	117
	420	343.5	343.5	5	4	3460	7440	280TQO420-3		1	0.33	2.03	3.02	1.98	1.77	161
	460	305	305	5	5	4000	7700	280TQO460-1		1	0.39	1.7	2.6	1.7	1.50	197
	460	324	324	5	5	4100	7850	280TQO460-2		1	0.47	1.4	2.1	1.4	1.24	214
285.75	380.898	244.475	244.475	1.6	3.2	2280	5650	LM654648D/LM654610/LM654610D		1	0.43	1.57	2.34	1.53	1.36	75.8
	469.9	292.1	296.047	1.6	3.2	3910	6920	EE921151D/921850/921851D		1	0.29	2.31	3.44	2.26	2.01	201
	476.25	292.1	296.047	1.6	3.2	3910	6920	EE921126D/921875/921876D		1	0.29	2.31	3.44	2.26	2.01	211
288.925	406.4	298.45	298.45	3.2	3.2	3450	8840	M255449D/M255410/M255410D		1	0.34	2	2.97	1.95	1.72	124
292.1	422.275	269.875	269.875	6.4	3.2	3170	6830	EE330116D/330166/330167D		1	0.32	2.11	3.14	2.06	1.82	124
298.45	444.5	241.3	238.125	7.9	1.6	2470	5520	EE291176D/291750/291751D		1	0.38	1.79	2.66	1.75	1.54	131
299.974	439.949	279.4	280.988	3.2	4.8	2700	6450	EE129119D/129174/129175XD		1	0.4	1.68	2.5	1.64	1.46	145
300	420	310	310	4	4	3250	8150		77860U	1	0.29	2.3	3.4	2.3	2.01	132
	424	310	310	4	4	3050	7700	300TQO424-1		1	0.4	1.7	2.5	1.7	1.46	138
	430	280	280	3	3	3050	6950	300TQO430-1		1	0.47	1.4	2.1	1.4	1.24	129
	430	300	300	3	3	3550	8250	300TQO430-2		1	0.35	1.9	2.9	1.9	1.67	141
	440	279.4	280.988	3.3	4.8	3150	6400	EE129119D/129174/129175D		1	0.4	1.7	2.5	1.7	1.46	145
	460	248	248	4	4	2910	6050	300TQO460-1		1	0.42	1.6	2.4	1.6	1.39	146

Four-row Taper Roller Bearing

WSW

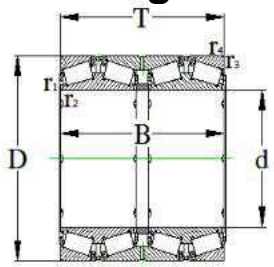


1型 (TQO)

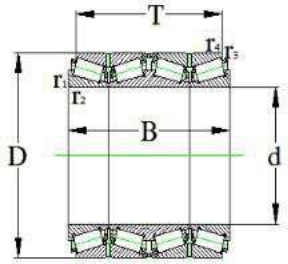


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old		e	Y1	Y2	Y0	K	Refer.
300	460	360	360	4	4	4450	9900	300TQO460-2		1	0.31	2.2	3.3	2.1	1.88	216
	460	388.5	388.5	5	5	5390	12500	300TQO460-3		1	0.33	2	3	2	1.82	240
	460	390	390	5	4	5390	12500		2077160	1						222
	470	270	270	4	4	3750	7500	300TQO470-1		1	0.33	2	3	2.0	1.77	181
	470	292	292	4	4	4100	8350	300TQO470-2		1	0.33	2	3	2.0	1.77	196
	470	310	310	4	4	3900	7850	300TQO470-3		1	0.36	1.9	2.8	1.8	1.62	197
	500	332	332	5	5	4650	8950	300TQO500-1		1	0.39	1.7	2.6	1.7	1.50	254
	500	350	350	5	4	4800	9300		77760U	1						280
	500	380	380	5	5	4900	9600	300TQO500-2		1	0.35	1.9	2.9	1.9	1.67	300
300.038	422.275	311.15	311.15	3.2	3.2	3390	8050	HM256849D/HM256810/HM256810D		1	0.34	2	2.98	1.96	1.72	126
304.648	438.048	279.4	280.988	3.2	4.8	2700	6450	EE129121D/129172/129173D		1	0.4	1.68	2.5	1.64	1.46	137
304.8	412.75	266.7	266.7	3.2	3.2	2990	7280	304TQO412A-1		1	0.32	2.12	3.15	2.07	1.82	100
	419.1	269.875	269.875	1.6	6.4	2840	6950	M257149D/M257110/M257110D		1	0.33	2.03	3.02	1.98	1.77	111
	444.5	241.3	238.125	7.9	1.6	2470	5520	EE291200D/291750/291751D		1	0.38	1.79	2.66	1.75	1.54	125
	444.5	241.3	247.65	7.9	1.6	2470	5520	EE291202D/291750/291751D		1	0.38	1.79	2.66	1.75	1.54	127
	482.6	345	345	3.3	4.8	5150	10400	304TQO482A-1		1	0.33	2	3	2.0	1.77	245
	482.6	377.825	365.125	3.3	4.8	5150	10500	304TQO482A-2		1	0.37	1.8	2.7	1.8	1.58	223
	495.3	285.75	282.735	1.6	3.2	3760	7690	EE941206D/941950/941951XD		1	0.4	1.68	2.5	1.64	1.46	217
	495.3	292.1	289.085	1.6	3.2	3760	7690	EE941206D/941950/941952XD		1	0.4	1.68	2.5	1.64	1.46	221
	495.3	292.1	295.435	1.6	3.2	3500	6440	EE941207D/941950/941952XD		1	0.4	1.68	2.5	1.64	1.46	215
304.8	495.3	349.25	342.9	3.2	6.4	4370	9370	EE724121D/724195/724196D		1	0.4	1.68	2.5	1.64	1.46	283
	501.65	336.55	336.55	3.2	4.8	4870	9420	304TQO501A-1		1	0.33	2.03	3.02	1.98	1.77	262
304.902	412.648	266.7	266.7	3.2	3.2	2990	7280	M257248D/M257210/M257210D		1	0.32	2.12	3.15	2.07	1.82	102
305.003	438.048	279.4	280.99	3.2	4.8	3230	6980	M757449D/M757410/M757410D		1	0.47	1.44	2.15	1.41	1.24	132
310	430	310	310	3	3	3450	8500	310TQO430-1		1	0.34	2	2.9	1.9	1.72	135
	455	222	222	4	4	2520	5100	310TQO455-1		1	0.39	1.7	2.6	1.7	1.50	117
	460	325	325	1.5	5	4050	9200	310TQO460-1		1	0.41	1.6	2.4	1.6	1.42	186

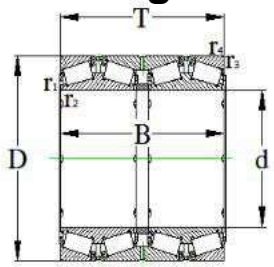


1型 (TQO)

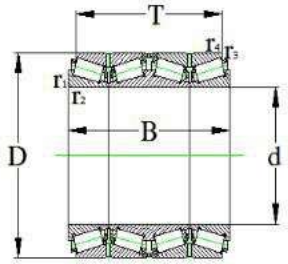


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
317.5	422.275	269.875	269.875	1.6	3.2	2930	7450	LM258649D/LM258610/LM258610D		1	0.32	2.12	3.15	2.07	1.82	104
	438.15	276.225	276.225	1.5	3.3	3520	8300	317TQO438A-1		1	0.43	1.6	2.3	1.6	1.34	125
	447.675	327.025	327.025	3.2	3.2	4230	10200	HM259049D/HM259010/HM259010D		1	0.33	2.02	3	1.97	1.77	165
320	440	335	335	3	3	3550	8750	320TQO440-1		1	0.33	2	3	2.0	1.77	146
	460	325	325	4	4	3850	8650	320TQO460-1		1	0.42	1.6	2.4	1.6	1.39	170
	460	338	338	4	4	3950	9200	320TQO460-2		1	0.4	1.7	2.5	1.7	1.46	178
	480	254	254	4	4	3150	6250	320TQO480-1		1	0.39	1.7	2.6	1.7	1.50	156
	480	360	360	1.5	2.5	4400	10000	320TQO480-2		1	0.47	1.4	2.1	1.4	1.24	227
	480	380	380	5	4	4700	9600		2077164	1						252
	500	380	380	1.5	4	5540	11900	320TQO500-1		1	0.33	2.03	3.02	1.98	1.77	284
	540	364	364	5	5	5750	11500	320TQO540-1		1	0.39	1.7	2.6	1.7	1.50	352
325	430	230	230	1	3	2410	5800	325TQO430-1		1	0.4	1.68	2.5	1.64	1.46	82.9
327.025	482.6	311.15	306.388	1.5	3.3	3400	7350	EE526129D/526190/526191D		1	0.39	1.7	2.6	1.7	1.50	185
330	460	240	240	3	3	2630	6400	330TQO460-1		1	0.47	1.4	2.1	1.4	1.24	123
330.2	444.5	301.625	301.625	3.3	3.3	3800	8500	M260149D/M260110/260110D		1	0.4	1.7	2.5	1.7	1.46	136
	482.6	311.15	306.388	1.6	3.2	3700	8190	EE526131D/526190/526191D		1	0.39	1.73	2.57	1.69	1.50	188
	508	290	290	6.4	6.4	4020	7760	330TQO508A-1		1	0.49	1.38	2.06	1.35	1.19	210
	508	292.1	292.1	6.4	3.3	4000	8150	330TQO508A-2		1	0.4	1.7	2.5	1.7	1.46	214
	508	307.975	307.975	2	5	4590	9050	330TQO508A-3		1	0.29	2.32	3.45	2.26	2.01	219
	533.4	280	280	6	2	3830	7500	330TQO533A-1		1	0.33	2.03	3.02	1.98	1.77	225
	540	290	290	6	5	4520	8890	330TQO540A-1		1	0.33	2.03	3.02	1.98	1.77	277
330.302	438.023	254	247.65	1.5	3.3	3250	6800	EE138131D/138172/138173D		1	0.44	1.5	2.3	1.5	1.33	108
333.375	469.9	328.612	366.712	6.4	1.5	4570	11400	333TQI469A-1		2	0.33	2	3	2	1.73	190
333.375	469.9	342.9	342.9	3.2	3.2	4630	11400	HM261049D/HM261010/HM261010D		1	0.33	2.02	3	1.97	1.77	184
335	460	342.9	342.9	3.3	3.3	3900	9850	335TQO460-1		1	0.39	1.7	2.6	1.7	1.50	167
340	420	278	278	6	5	3470	7710	340TQO420-1		1	0.26	2.55	3.8	2.5	2.24	207
	460	254	254	3	3	2630	6400	340TQO460-1		1	0.47	1.4	2.1	1.4	1.24	118

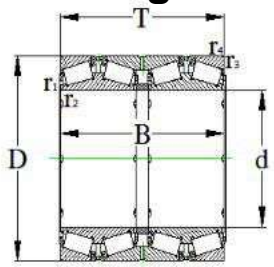


1型 (TQO)

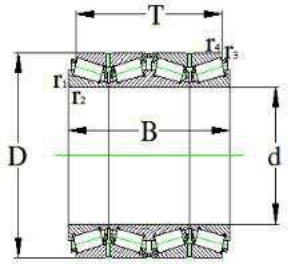


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old		e	Y1	Y2	Y0	K	Refer.
340	460	310	310	4	4	2930	7250		2077968	1						147
	480	350	350	5	5	4000	10100	340TQO480-1		1	0.29	2.3	3.4	2.3	2.01	198
	520	278	278	6	5	4050	8250	340TQO520-1		1	0.39	1.7	2.6	1.7	1.50	213
	520	323	323	6	5	4380	8920	340TQO520-2		1	0.4	1.68	2.5	1.64	1.46	242
	520	323.5	323.5	1.5	5	5230	10400	340TQO520-3		1	0.3	2.3	3.4	2.2	2.01	245
	520	325	325	5	5	4700	9600	381068		1	0.3	2.3	3.4	2.2	1.95	251
	580	392	392	5	5	6150	12200	340TQO580-1		1	0.39	1.7	2.6	1.7	1.50	442
341.312	457.098	254	254	1.5	3.3	2930	7250	LM761648DW/LM761610/LM761610D		1	0.45	1.5	2.2	1.5	1.30	116
342.9	533.4	301.625	307.985	3.2	3.2	3740	7160	EE971355D/972100/972103D		1	0.33	2.03	3.02	1.98	1.77	238
	571.5	342.9	342.9	3.3	6.4	6550	10600	EE536136D/536225/536226D		1	0.33	2	3	2.0	1.77	369
343.052	457.098	209	209	1.6	2	2350	5360	343TQO457A-1		1	0.47	1.43	2.12	1.4	1.24	91.1
	457.098	254	254	1.6	3.3	2500	6670	LM961548D/LM961511/LM961511D		1	0.71	0.95	1.41	0.93	0.82	115
346.075	457.2	254	254	1.6	3.2	2850	6950	346TQO457A-1		1	0.47	1.43	2.12	1.4	1.24	102
	488.95	358.775	358.775	3.3	3.3	4550	11200	HM262749D/HM262710/HM262710D		1	0.36	1.9	2.8	1.8	1.62	210
347.662	469.9	246.063	280.194	3.3	1.5	3360	8280	347TQI469A-1		2	0.33	2	3	2	1.76	135
	469.9	260.35	260.35	1.5	3.3	3100	7500	LM262449DW/LM262410/LM262410D		1	0.33	2	3	2.0	1.77	129
	469.9	292.1	292.1	3.2	3.2	3600	9040	M262449D/M262410/M262410D		1	0.33	2.03	3.02	1.98	1.77	146
355	490	316	316	2	4	4100	9750	355TQO490-1		1	0.33	2	3	2.0	1.77	177
355.6	444.5	241.3	241.3	1.6	3.2	2220	6890	L163149D/L163110/L163110D		1	0.31	2.2	3.27	2.15	1.88	85.5
	457.2	252.412	252.412	1.5	3.3	3450	8150	LM263149DW/LM263110/LM263110D		1	0.32	2.1	3.1	2.1	1.83	104
355.6	482.6	269.875	265.112	1.6	3.2	3060	7020	LM763449D/LM763410/LM763410D		1	0.47	1.43	2.14	1.4	1.24	138
	488.95	317.5	317.5	1.6	3.2	4370	10900	M263349D/M263310/M263310D		1	0.33	2.03	3.02	1.98	1.77	174
	514.35	260.35	244.475	3.2	3.2	2710	6560	EE231401D/232025/232026D		1	0.44	1.53	2.28	1.5	1.33	177
356.387	482.6	222.25	219.075	1.6	6.4	2100	4990	EE161403D/161900/161901D		1	0.5	1.35	2.01	1.32	1.17	116
360	480	370	370	3	3	4150	11100	360TQO480-1		1	0.33	2	3	2.0	1.77	181
	480	375	375	3	3	4150	11200		77872	1	0.33	2	3	2.0	1.77	183
	508	370	370	3	5	4750	11900	360TQO508-1		1	0.4	1.7	2.5	1.7	1.46	235
	510	380	380	2	6	5610	14300	360TQO510-1		1	0.33	2	3	2	1.81	255



1型 (TQO)

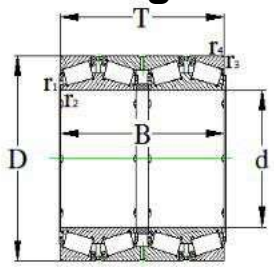


2型(TQI)

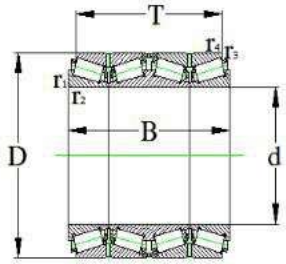
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass 参考 Refer.
d	D	T	B	r1.2min	r3.4min	Cr	Cor	新代号 New	旧代号 Old		e	Y1	Y2	Y0	K	
360	520	370	370	3	5	5050	11700	360TQO520-1		1	0.33	2.1	3.1	2.0	1.77	256
	520	410	410	6	5	5970	14300	360TQO520-2		1	0.33	2.03	3.02	1.98	1.77	281
	540	280	280	5	5	4200	8700	360TQO540-1		1	0.39	1.7	2.6	1.7	1.50	229
	540	360	360	5	5	4600	10000	360TQO540-2		1	0.4	1.7	2.5	1.7	1.46	278
	540	460	460	5	5	6440	15800	360TQO540-3		1	0.27	2.47	3.67	2.41	2.16	375
	600	396	396	5	5	7000	14200	360TQO600-1		1	0.39	1.7	2.6	1.7	1.50	465
	600	420	420	5	5	8000	17500		1077772	1	0.44	1.5	2.3	1.5	1.33	388
	600	540	540	5	5	9050	19900	360TQO600-2		1	0.42	1.6	2.4	1.6	1.39	628
368.3	523.875	366.712	411.162	6.4	1.5	5830	15000	368TQI523A-1		2	0.33	2	3	2	1.76	275
	523.875	382.588	382.588	3.2	6.4	5460	13600	HM265049D/HM265010/HM265010D		1	0.33	2.03	3.02	1.98	1.77	270
	563	382.588	382.588	3.2	6.4	6380	13800	368TQO523A-1		1	0.29	2.32	3.45	2.26	2.01	352
	596.9	342.9	342.9	6.4	6.4	5700	11500	EE181455D/1812350/1812351D		1	0.41	1.6	2.4	1.6	1.42	385
	596.9	342.9	336.55	6.4	6.4	4830	9310	EE181454D/182350/182351D		1	0.42	1.62	2.42	1.59	1.39	347
370	490	292	292	3	3	3450	9300	370TQO490-1		1	0.34	2	2.9	1.9	1.72	151
	510	340	340	4	5	4660	11300	370TQO510-1		1	0.35	1.95	2.9	1.91	1.67	200
	516	346	346	1.5	4	4880	11700	370TQO516-1		1	0.4	1.68	2.5	1.64	1.46	211
374.65	501.65	260.35	250.825	1.6	3.2	2710	6560	EE231475D/231975/231976D		1	0.44	1.53	2.28	1.5	1.33	137
	514.35	260.35	260.35	1.6	3.2	2710	6560	EE231475D/232025/232026D		1	0.44	1.53	2.28	1.5	1.33	158
380	520	350	350	4	4	4250	11000	380TQO520-1		1	0.31	2.2	3.3	2.1	1.88	219
380	520	360	360	6	5	4610	12200	380TQO520-2		1	0.32	2.12	3.15	2.07	1.82	225
	520	400	400	2.5	4	5050	12900	380TQO520-3		1	0.35	1.9	2.9	1.9	1.67	243
	536	390	390	5	5	5200	13100	380TQO536-1		1	0.4	1.7	2.5	1.7	1.46	272
	550	350	330	5	5	4200	9050		77776	1	0.44	1.5	2.3	1.5	1.33	273
	560	282	282	5	5	4200	9050	380TQO560-1		1	0.42	1.6	2.4	1.6	1.39	244
	560	285	285	5	5	4500	9550	380TQO560-2		1	0.37	1.8	2.7	1.8	1.58	246
	560	325	325	2	5	5500	11800	380TQO560-3		1	0.31	2.2	3.3	2.2	1.85	265
	560	360	360	2	6	6160	13700	380TQO560-4		1	0.4	1.7	2.5	1.6	1.44	295
	560	370	370	6	5	5910	13600	380TQO560-5		1	0.33	2.03	3.02	1.98	1.77	312

Four-row Taper Roller Bearing

WSW

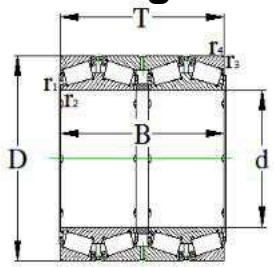


1型 (TQO)

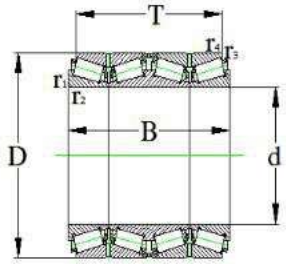


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
380	580	500	500	6	5	7400	17500	380TQO580-1		1	0.33	2.03	3.02	1.98	1.77	467
	620	368	368	6	6	7040	13700	380TQO620-1		1	0.43	1.6	2.3	1.6	1.36	438
	620	388	388	6	6	7040	13700		3077776	1						443
	620	400	400	5	5	7150	14800	380TQO620-2		1	0.4	1.7	2.5	1.7	1.46	490
	620	418.5	418.5	6	5	7080	14000	380TQO620-1		1	0.46	1.47	2.19	1.44	1.27	499
	620	420	420	5	4	7080	14000	381176/HC	1077776	1						485
384.175	546.1	384.175	428.625	6.4	1.5	6440	16600	384TQI546A-1		2	0.33	2	3	2	1.76	300
	546.1	400.05	400.05	3.2	6.4	6530	16900	HM266449D/HM266410/HM266410D		1	0.33	2.03	3.02	1.98	1.77	315
385.763	514.35	317.5	317.5	3.2	3.2	4130	10800	LM665949DW/LM665910/LM665910D		1	0.42	1.61	2.4	1.58	1.39	182
390	510	350	350	1.5	3	4250	11700	390TQO510-1		1	0.33	2	3	2.0	1.77	188
393.7	546.1	288.925	288.925	1.6	6.4	3680	9390	LM767745D/LM767710/LM67710D		1	0.48	1.42	2.11	1.39	1.22	205
	558.8	254	255.588	3.2	6.4	2970	7620	EE234157D/234220/234221D		1	0.48	1.42	2.11	1.39	1.22	205
395	545	288.7	268.7	4	7.5	3450	8550		77779	1	0.44	1.5	2.3	1.5	1.33	194
	545	288.7	269.2	4	7.5	3450	8550	395TQO545-1		1	0.47	1.4	2.1	1.4	1.24	196
	545	288.7	270.3	5	7.5	3330	7680	395TQO545-2		1	0.43	1.57	2.34	1.53	1.36	181
	545	288.9	268	5	10	3910	9500	395TQO545-3		1	0.48	1.4	2.1	1.4	1.22	195
400	540	280	280	4	7.5	4840	12500		77880	1						187
	540	295	330	3.3	1.5	4840	12500	400TQI540-1		2	0.31	2.2	3.3	2.2	1.89	210
400	540	400	400	5	5	4840	12500	380680/HC		1						262
	600	356	356	5	5	5150	11100	381080/HC		1						345
	564	412	412	5	5	5500	13800	400TQO564-1		1	0.4	1.7	2.5	1.7	1.46	315
	590	304	304	5	5	4600	10000	400TQO590-1		1	0.42	1.6	2.4	1.6	1.39	287
	600	308	308	5	5	5150	11100	400TQO600-1		1	0.37	1.8	2.7	1.8	1.58	316
	650	414	414	6	6	7800	16600	400TQO650-1		1	0.39	1.7	2.6	1.7	1.50	555
406.4	546.1	288.925	268.288	1.6	6.4	2970	7620	EE234161D/234215/234216D		1	0.48	1.42	2.11	1.39	1.22	184
	546.1	288.925	288.925	1.6	6.4	3680	9390	LM767749D/LM767710/LM767710D		1	0.48	1.42	2.11	1.39	1.22	192
	546.1	330	330	3.3	6.4	4500	11500	406TQO546A-1		1	0.41	1.7	2.5	1.6	1.42	214
	546.1	357.4	357.4	1.6	6.4	4600	11700	406TQO546A-2		1	0.47	1.43	2.12	1.4	1.24	232

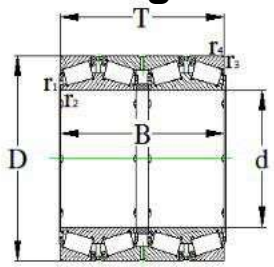


1型 (TQO)

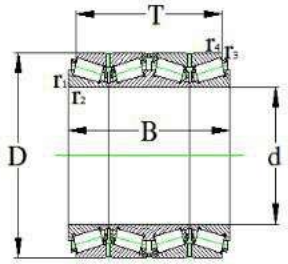


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号 / 旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New / Old	Design	e	Y1	Y2	Y0	K	Refer.
406.4	558.8	254	255.588	1.6	6.4	2970	7620	EE234161D/234220/234221D	1	0.48	1.42	2.11	1.39	1.22	189
	565.15	381	381	3.2	6.4	5990	15000	M267949D/M267910/M267910XD	1	0.33	2.03	3.02	1.98	1.77	291
	590.55	381	434.975	9.7	1.5	6930	16600	406TQI590A-1	2	0.33	2	3	2	1.8	370
	590.55	400.05	400.05	3.2	6.4	6120	14100	EE833161D/833232/833233D	1	0.32	2.08	3.1	2.04	1.82	358
	609.6	317.5	309.563	3.6	6.4	4890	10600	EE911603D/912400/912401D	1	0.38	1.76	2.62	1.72	1.54	320
409.575	546.1	334.963	334.963	1.6	6.4	4570	11500	M667947D/M667910/M667910D	1	0.42	1.62	2.42	1.59	1.39	200
415.925	590.55	419.1	469.9	6.4	1.5	7210	19300	415TQI546A-1	2	0.33	2	3	2	1.76	405
	590.55	434.975	434.975	3.2	6.4	6780	17900	M268749D/M268710/M268710D	1	0.33	2.03	3.02	1.98	1.77	390
416	574	480	480	4	4	6500	17100	416TQO574-1	1	0.28	2.4	3.6	2.4	2.08	366
420	560	370	370	6	5	4950	13600	420TQO560-1	1	0.32	2.12	3.15	2.07	1.82	246
	560	437	437	3	5	5400	14500	380684/HC	1	0.31	2.2	2.3	2.1	1.88	284
	592	432	432	5	5	5850	14700	420TQO592-1	1	0.41	1.7	2.5	1.6	1.42	363
	620	312	312	5	5	5450	12100	420TQO620-1	1	0.39	1.7	2.6	1.7	1.50	331
	620	355	355	5	5	5800	13100	420TQO620-2	1	0.39	1.7	2.6	1.7	1.50	364
	630	540	540	6	5	8990	21500	420TQO630-1	1	0.3	2.25	3.34	2.2	1.95	600
	650	460	460	6	6	7700	17200	420TQO650-1	1	0.4	1.7	2.5	1.7	1.46	547
	700	460	460	6	6	9350	20300	420TQO700-1	1	0.39	1.7	2.6	1.7	1.50	736
420	700	480	480	6	5	9550	11900	381184	1						
	760	500	500	3	6	10300	20400	420TQO760-1	1	0.33	2.03	3.02	1.98	1.77	1050
430	570	336	336	2	6	4600	11900	430TQO570-1	1	0.35	1.9	2.9	1.9	1.67	233
	570	336.55	336.55	1.5	3.3	4950	14000	430TQO570-2	1	0.44	1.5	2.3	1.4	1.33	240
431.8	571.5	279.4	276.225	1.6	3.2	3360	8600	EE239171D/239225/239226XD	1	0.39	1.75	2.61	1.71	1.50	187
	571.5	279.4	279.4	1.6	3.2	3360	8550	LM869449/LM869410/LM869410D	1	0.55	1.24	1.84	1.21	1.06	194
	571.5	320.675	366.713	6.4	1.5	4950	14000	431TQI571A-1	2	0.44	1.5	2.3	1.4	1.33	250
	571.5	336.55	336.55	1.6	6.4	4290	11300	LM769349/LM769310/LM769310D	1	0.48	1.41	2.1	1.38	1.22	232
	635	355.6	355.6	6.4	6.4	6600	15000	EE931070DGW/931250/931251XD	1	0.33	2	3	2	1.82	385
	635	355.6	440	6.4	6.4	6600	15000	431TQO635A-1	1	0.33	2	3	2	1.82	405

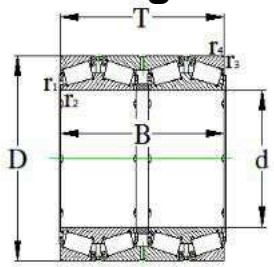


1型 (TQO)

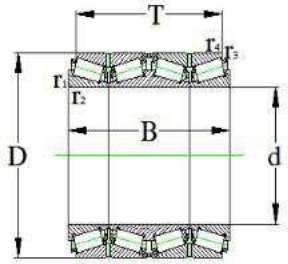


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old		e	Y1	Y2	Y0	K	Refer.
431.8	635	355.6	355.6	6.4	6.4	6310	13700	EE931170D/931250/931251XD		1	0.32	2.1	3.13	2.06	1.82	385
	647.7	338.138	387.35	6.4	1.5	6600	15000	431TQO647A-1		2	0.33	2	3	2	1.82	420
431.902	685.698	533.273	533.273	6.4	6.4	10400	22800	EE328172D/328269/328268D		1	0.4	1.7	2.5	1.7	1.46	761
432.003	609.524	317.5	317.5	3.6	6.4	5210	12100	EE736173D/736238/736239D		1	0.35	1.94	2.89	1.9	1.67	293
438	580	460	460	1.5	4	6330	16900	438TQO580-1		1	0.26	2.55	3.8	2.5	2.24	323
440	580	420	420	4.5	6.7	6050	17600	440TQO580-1		1	0.26	2.6	3.9	2.5	2.27	300
	620	454	454	6	6	7600	20200		77888	1	0.4	1.7	2.5	1.7	1.46	442
	635	430	430	6	5	7560	18000	440TQO635-1		1	0.33	2.03	3.02	1.98	1.77	453
	635	470	470	2.5	5	8650	21800	440TQO635-2		1	0.33	2	3	2.0	1.77	509
	650	326	326	6	6	5600	12400	440TQO650-1		1	0.39	1.7	2.6	1.7	1.50	381
	650	334	334	6	6	5490	12200	440TQO650-2		1	0.28	2.43	3.61	2.37	2.08	371
	650	353.5	353.5	6.4	6.4	6600	15000	440TQO650-3		1	0.33	2	3	2	1.82	410
	650	355	355	6	5	6170	13500		77788	1	0.46	1.47	2.19	1.44	1.27	409
	720	465	465	6	6	9550	19800	440TQO720-1		1	0.39	1.7	2.6	1.7	1.50	771
444.5	571.5	336.55	336.55	1.5	3.3	4950	14300	444TQO571-1		1	0.31	2.2	3.3	2.2	1.9	215
447.675	635	446.088	496.888	6.4	1.5	8250	22000	447TQI635-1		2	0.33	2	3	2	1.76	475
	635	463.55	463.55	3.2	6.4	7860	21000	M270749D/M270710/M270710D		1	0.33	2.03	3.02	1.98	1.77	464
448	635	464	464	2.5	5	8350	21600	448TQO635-1		1	0.33	2	3	2.0	1.77	485
450	580	450	450	1.5	6	5000	14300	450TQO580-1		1	0.31	2.2	3.2	2.1	1.88	282
	595	352	390	6	1.5	5500	16300	450TQI595-1		2	0.33	2	3	2	1.76	295
	595	368	368	3	6	5500	16300	M270749DA/M270410/M270410D		1	0.33	2	3	2	1.76	285
	595	404	404	3	6	5500	16300	M270449DA/M270410/M270410D		1	0.33	2	3	2	1.76	305
456.794	761.873	527.05	527.05	3.2	6.4	11100	22500	EE425176D/425299/425299D		1	0.44	1.52	2.26	1.49	1.33	980
457.073	730.148	419.1	412.75	1.5	6.4	8970	19600	EE671798DGW/672873/672875D		1	0.4	1.7	2.5	1.6	1.49	630
457.2	596.9	279.4	276.225	1.6	3.2	3850	10500	EE244181D/244235/244236D		1	0.4	1.67	2.48	1.63	1.46	204
	596.9	320	320	3.3	3.3	4840	13700	457TQO596A-1		1	0.44	1.5	2.3	1.4	1.32	235



1型 (TQO)

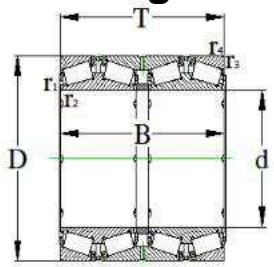


2型(TQI)

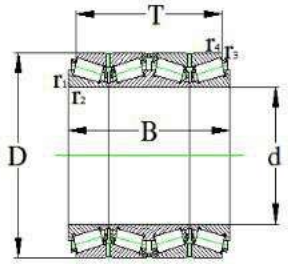
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old		e	Y1	Y2	Y0	K	Refer.
457.2	660.4	323.847	323.85	3.2	6.4	5700	12700	EE737179D/737260/737261D		1	0.37	1.8	2.69	1.76	1.58	354
	660.4	495.3	495.3	3.2	6.4	8350	22000	457TQO660A-1		1	0.33	2.03	3.02	1.98	1.77	571
457.403	730.148	419.1	412.75	1.6	6.4	8290	16500	EE671802D/672873/672875D		1	0.39	1.72	2.57	1.69	1.50	646
460	586	266	266	3	3	3550	9300	460TQO586-1		1	0.46	1.5	2.2	1.4	1.27	168
	586	280	280	1	3	3710	9810	460TQO586-2		1	0.44	1.52	2.26	1.49	1.33	166
	590	360	360	3	3	4900	14100	460TQO590-1		1	0.28	2.4	3.6	2.4	2.08	242
	610	360	360	3	6	6050	16300	460TQO610-1		1	0.33	2	3	2	1.76	295
	610	400	400	2.5	4	6270	17300	460TQO610-2		1	0.28	2.4	3.6	2.5	2.08	315
	615	360	360	3	5	4800	12800	460TQO610-1		1	0.45	1.5	2.2	1.5	1.30	289
	620	310	310	5	4	5600	12700		1077992	1						260
	625	421	421	3	9	6550	17600	M271149D/M271110/271110D		1	0.33	2	3	2.0	1.77	381
	650	474	474	6	6	7200	18500		77892	1	0.4	1.7	2.5	1.7	1.46	477
	680	338	338	6	6	6500	15100	460TQO680-1		1	0.4	1.7	2.5	1.7	1.46	433
	680	375	375	2	5	6500	15200	460TQO680-2		1	0.36	1.87	2.79	1.83	1.62	476
	730	440	440	4	7.5	5600	12700	381192X3/HC		1						663
	760	494	494	7.5	7.5	10700	23300	460TQO760-1		1	0.39	1.7	2.6	1.7	1.50	923
462	615.95	330.2	330.2	3.3	6.4	5500	15000	462TQO615A-1		1	0.4	1.7	2.5	1.6	1.45	275
475	600	368	368	2	6	5280	16600	475TQO600-1		1	0.3	2.3	3.4	2.2	2.03	250
	660	450	450	3	5	6650	17900	475TQO660-1		1	0.37	1.8	2.7	1.8	1.58	463
479.425	679.45	495.3	495.3	3.2	6.4	8480	22200	M272749D/M272710/M272710D		1	0.33	2.03	3.02	1.98	1.77	566
480	678	494	494	6	6	9600	25500	480TQO678-1		1	0.34	2	3	1.9	1.72	586
	700	342	342	6	6	6400	14300	480TQO700-1		1	0.39	1.7	2.6	1.7	1.50	453
	700	420	420	5	5	5350	15500	381096		1						582
	790	510	510	7.5	7.5	10500	21500	480TQO790-1		1	0.39	1.7	2.6	1.7	1.50	1030
482.6	615.95	317.5	355.6	6.4	1.5	5120	15300	M272249DW/M272249W/M272210D		2	0.33	2	3	2	1.76	245
	615.95	330.2	330.2	3.2	6.4	4850	14200	LM272249D/LM272210/LM272210D		1	0.33	2.03	3.02	1.98	1.77	229
	615.95	420	420	2.5	4	5810	16700	482TQO615A-1		1	0.26	2.55	3.8	2.5	2.24	296
	630	420	420	3.3	6.4	6600	19300	482TQO630A-1		1	0.33	2	3	2	1.76	345

Four-row Taper Roller Bearing

WSW

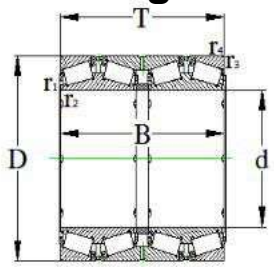


1型 (TQO)

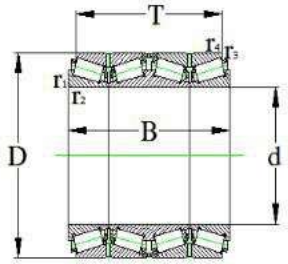


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号 / 旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New / Old	Design	e	Y1	Y2	Y0	K	Refer.
482.6	635	421	421	3	6.4	7090	20300	M272449D/M272410/M272410D	1	0.33	2.03	3.02	1.98	1.77	366
	647.7	417.512	417.512	3.2	6.4	7390	20300	M272647D/M272610/M272610D	1	0.33	2.03	3.02	1.98	1.77	396
488.95	622.3	365.125	365.125	3.8	6.4	4900	14400	488TQO622A-1	1	0.29	2.3	3.4	2.3	2.01	265
	660.4	361.95	365.125	7.9	6.4	6200	15800	EE640193D/640260/640261D	1	0.31	2.2	3.27	2.15	1.88	339
489.026	634.873	320.675	320.675	3.2	3.2	4930	13700	LM772749D/LM772710/LM772710D	1	0.47	1.43	2.12	1.4	1.24	258
490	625	385	385	3	4	5550	16200	380698/HC	1	0.32	2.1	3.2	2.1	1.82	284
500	670	515	515	5	5	8400	24600	500TQO670-1	1	0.33	2	3	2.0	1.77	518
	705	515	515	6	6	9700	26600	500TQO705-1	1	0.37	1.8	2.7	1.8	1.58	654
	710	430	425	5	5	8050	19500	500TQO710-1	1	0.37	1.8	2.7	1.8	1.58	530
	720	348	348	6	6	6500	14800	500TQO720-1	1	0.4	1.7	2.5	1.7	1.46	476
	720	400	400	5	5	7950	18700	500TQO720-2	1	0.33	2	3	2.0	1.77	548
	729.805	440	440	6	6	9300	22200	500TQO729A-1	1	0.33	2	3	2.0	1.77	639
	830	540	540	7.5	7.5	12500	26400	500TQO640A-1	1	0.39	1.7	2.6	1.7	1.50	1210
500.25	640	450	450	4	4	6750	19900	500TQO640A-1	1	0.28	2.4	3.6	2.4	2.08	366
501.65	673.1	387.35	400.05	3.2	6.4	6670	17300	EE641198D/641265/641266D	1	0.31	2.15	3.2	2.1	1.88	372
	711.2	520.7	520.7	3.2	6.4	9610	25600	M274149D/M274110/M274110D	1	0.33	2.03	3.02	1.98	1.77	652
508	749.3	355.6	355.6	6	6	6900	15400	508TQO749A-1	1	0.36	1.9	2.8	1.8	1.62	548
508	762	420	420	6	2	8550	19100	508TQO762-1	1	0.36	1.9	2.8	1.8	1.62	693
	762	463.55	463.55	6.4	6.4	9060	19900	EE531201D/531300/531301XD	1	0.38	1.78	2.65	1.74	1.54	741
509.948	654.924	379	377	1.5	6.4	6100	17600	509TQO654A-1	1	0.41	1.6	2.4	1.6	1.42	319
510	655	362	405	6.4	1.5	6270	19000	510TQI655-1	2	0.33	2	3	2	1.7	330
	655	379	377	1.5	6.4	6270	19000	510TQO655-1	1	0.33	2	3	2	1.76	330
514.35	673.1	422.275	422.275	3.2	6.4	7130	20300	LM274449D/LM274410/LM274410D	1	0.33	2.03	3.02	1.98	1.77	401
514.35	736.6	319.505	290.104	3.3	3.3	5550	13600	514TQO736A-1	1	0.48	1.4	2.1	1.4	1.22	431
519.113	736.6	536.575	536.575	3.2	6.4	10600	27200	M275349D/M275310/M275310D	1	0.33	2.03	3.02	1.98	1.77	739

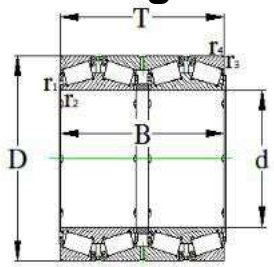


1型 (TQO)

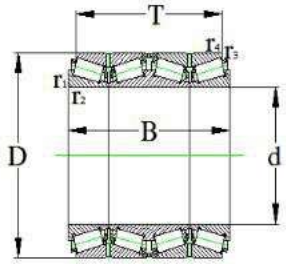


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
520	735	535	535	6	6	10000	26700	520TQO735-1		1	0.33	2	3	2.0	1.77	731
520.7	711.2	400.05	400.05	3.2	6.4	7000	17500	LM275349D/LM275310/LM275310D		1	0.33	2.03	3.02	1.98	1.77	438
530	730	540	535	5	5	10000	26500	530TQO730-1		1	0.33	2	3	2.0	1.77	657
	750	480	480	6	6	9550	24900	530TQO750-1		1	0.33	2	3	2.0	1.77	694
	750	550	550	6	6	10500	28000	530TQO750-2		1	0.33	2	3	2.0	1.77	788
	780	385	385	6	6	8300	18700	530TQO780-1		1	0.37	1.8	2.7	1.8	1.58	644
	780	450	450	6	5	6550	18200	3810/530		1						745
	780	570	570	6	6	12100	30000	530TQO780-2		1	0.33	2	3	2.0	1.77	956
	870	560	560	7.5	7.5	13600	28900	530TQO870-1		1	0.39	1.7	2.6	1.7	1.50	1360
535	750	560	560	6	5	11100	29400	535TQO750-1		1	0.33	2.02	3.01	1.98	1.77	752
	760	560	560	6	6	11100	30000	535TQO760-1		1	0.33	2	3	2.0	1.77	833
536.575	761.873	558.8	558.8	3.2	6.4	11300	28800	M276449D/M276410/M276410D		1	0.33	2.03	3.02	1.98	1.77	821
540	690	400	400	3	6	5720	16300		779/540	1	0.33	2	3	2	1.76	375
	760	560	560	6	5	11400	30600	540TQO760-1		1	0.33	2.03	3.02	1.98	1.77	809
555.625	698.5	349.25	349.25	3.3	6.4	5150	16000	555TQO698A-1		1	0.33	2	3	2.0	1.77	311
558.75	965.3	495.3	495.3	7.5	7.5	12500	25700	558TQO965A-1		1	0.33	2.03	3.02	1.98	1.77	1580
558.8	736.6	322.263	322.263	3.2	6.4	5920	16100	EE843221D/843290/843291D		1	0.34	1.97	2.93	1.93	1.72	376
	736.6	409.575	409.575	3.2	6.4	7180	19700	LM377449D/LM377410/LM377410D		1	0.35	1.95	2.9	1.91	1.67	472
	736.6	430	430	3.3	6.4	8450	23600	558TQO736A-1		1	0.35	1.9	2.9	1.9	1.67	492
	736.6	450	450	3.3	6.4	8950	25300	558TQO736A-2		1	0.35	1.9	2.9	1.9	1.67	531
	736.6	457.2	457.2	3.2	6.4	8990	25500	LM277149DA/LM277110/LM277110D		1	0.33	2.03	3.02	1.98	1.77	525
560	750	368	368	5	4	7850	15800	3819/560/HC		1						447
	805	590	590	6	6	13700	37000	560TQO805-1		1	0.33	2	3	2.0	1.77	1030
	820	405	405	6	6	9100	20600	560TQO820-1		1	0.37	1.8	2.7	1.8	1.58	742
	920	575	575	7.5	7.5	14600	31000	560TQO920-1		1	0.39	1.7	2.6	1.7	1.50	1560

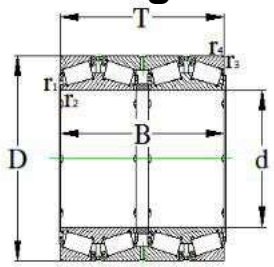


1型 (TQO)

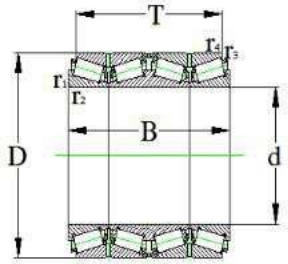


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
560	920	618	618	7.5	7.5	16000	34000	560TQO920-2		1	0.4	1.7	2.5	1.7	1.46	1670
	920	620	620	7.5	7.5	15200	32800	3811/560		1	0.4	1.68	2.5	1.64	1.46	1690
570	780	515	515	6	6	10600	29700	570TQO780-1		1	0.36	1.9	2.8	1.8	1.62	752
	810	590	590	6	6	12700	35000	570TQO810-1		1	0.33	2	3	2.0	1.77	998
571.5	812.8	593.725	593.725	3.2	6.4	13000	35000	M278749D/M278710/M278710D		1	0.33	2.03	3.02	1.98	1.77	1030
584.2	730.25	349.25	342.9	1.5	3.3	5500	17000	584TQO730A-1		1	0.43	1.6	2.3	1.6	1.36	330
	762	401.638	396.875	3.2	6.4	7330	20800	LM778549D/LM778510/LM778510D		1	0.37	1.43	2.12	1.4	1.58	479
	901.573	539.75	523.08	3.3	9.7	13100	29100	EE665231D/665355/665356D		1	0.33	2	3	2.0	1.77	1280
	901.7	539.747	484.98	3.2	9.5	13400	29400	EE662300D/663550/663551D		1	0.33	2.04	3.03	1.99	1.77	1260
	901.7	539.75	523.083	3.2	9.5	12600	28400	EE665231D/665355/665356D		1	0.33	2.03	3.02	1.98	1.77	1270
585.788	771.525	479.425	479.425	3.2	6.4	9140	25600	LM278849D/LM278810/LM278810D		1	0.33	2.03	3.02	1.98	1.77	587
595	845	615	615	6	6	13700	38000	595TQO845-1		1	0.33	2	3	2.0	1.77	1140
595.312	844.55	615.95	615.95	3.2	6.4	13600	36900	M280049D/M280010/M280010D		1	0.33	2.03	3.02	1.98	1.77	1130
596.9	980	609.6	604.838	6.4	12.7	16800	36500	596TQO980A-1		1	0.4	1.7	2.5	1.6	1.45	1920
600	800	365	365	5	5	7480	21600		771/600	1						489
	800	380	380	5	4	9140	25600		10779/600	1	0.41	1.64	2.45	1.61	1.42	992
	855	620	620	6	6	13900	38500	600TQO855-1		1	0.33	2	3	2.0	1.77	1170
600	870	415	415	6	6	9250	21700	600TQO870-1		1	0.37	1.8	2.7	1.8	1.58	842
	870	488	488	3	6	12500	29000	600TQO870-2		1	0.33	2	3	2	1.8	940
	980	615	615	7.5	7.5	16600	36500	600TQO980-1		1	0.39	1.7	2.6	1.7	1.50	1890
	980	650	650	7.5	7.5	16600	36500		10777/600	1	0.32	2.1	3.1	2.1	1.82	1970
603.25	857.25	622.3	622.3	3.2	6.4	14500	38500	M280249D/M280210/M280210XD		1	0.33	2.03	3.02	1.98	1.77	1170
609.6	787.4	361.95	361.95	6.4	6.4	6790	19900	EE649242DW/649310/649311D		1	0.37	1.82	2.7	1.78	1.58	462
	813.562	479.425	479.425	3.3	6.4	10600	30500	LM280249DGW/LM280210/LM280210D		1	0.33	2	3	2	1.76	715
	817.4	361.95	361.95	3.2	6.4	7310	18200	609TQO817A-1		1	0.33	2.03	3.02	1.98	1.77	496
	863.6	660.4	660.4	3.3	6.4	14700	41000	M280349D/M280310/M280310D		1	0.33	2	3	2.0	1.77	1260



1型 (TQO)

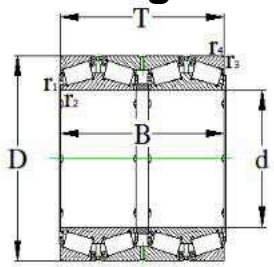


2型(TQI)

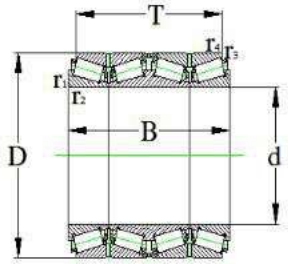
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
611.5	832.8	593.72	593.72	3.3	6.4	13300	38000	611TQO832A-1		1	0.33	2	3	2.0	1.77	981
620	800	363.5	363.5	3	6	7480	21600	620TQO820-1		1	0.37	1.8	2.7	1.8	1.54	465
	800	365	365	2.5	5	7590	21000	620TQO820-2		1	0.32	2.12	3.15	2.07	1.82	474
630	850	418	418	6	6	9650	21000	3819/630/HC		1						682
	890	650	650	7.5	7.5	15400	43000	630TQO890-1		1	0.33	2	3	2.0	1.77	1310
	920	440	440	7.5	7.5	10600	25500	630TQO920-1		1	0.37	1.8	2.7	1.8	1.58	1010
	920	457.15	457.15	3	6	11500	26200	630TQO920-2		1	0.33	2.03	3.02	1.98	1.77	1050
	920	457.2	457.2	4	3	10600	25400	630TQO920-3		1	0.37	1.8	2.7	1.8	1.58	1060
	920	515	515	7.5	7.5	6550	27500		771/630	1	0.43	1.56	2.33	1.53	1.36	1190
	920	600	600	7.5	7.5	15000	38500	630TQO920-4		1	0.36	1.9	2.8	1.8	1.62	1360
	1030	645	645	7.5	7.5	18400	42500	630TQO1030-1		1	0.37	1.8	2.7	1.8	1.58	2190
	1030	670	670	7.5	6	18400	42500	3811/630/HC		1						2200
635	900	655	655	7.5	7.5	15800	44500	635TQO900-1		1	0.33	2	3	2.0	1.77	1360
	900	660	660	5	6	15500	43500	635TQO900-2		1	0.33	2	3	2.0	1.77	1380
	901.7	654.05	654.05	3.2	6.4	15000	39700	M281049D/M281010/M281010XD		1	0.33	2.03	3.02	1.98	1.77	1360
640	1030	560	560	7.5	12	16000	393000		777/640L	1						1770
646.112	857.25	542.925	542.925	3.3	6.4	11500	34500	LM281049DW/LM281010/LM281010D		1	0.33	2	3	2.0	1.77	880
647.7	1028.7	565.15	558.8	11.2	6.4	18300	33500	EE424257DW/424405/424407D		1	0.31	2.2	3.2	2.1	1.87	1860
649.924	914.898	674	672	3.6	6	15900	43800	M281349D/M281310/M281310D		1	0.33	2.03	3.02	1.98	1.77	1390
650	915	674	674	3.3	6.4	16100	45000	M281349DGW/M281310/M281310D		1	0.33	2	3	2	1.76	1430
	1030	558.5	58.5	7.5	12	15900	36200	650TQO1030-1		1	0.32	2.12	3.15	2.07	1.82	1840
	1030	560	560	7.5	7.5	15700	35500		777/650	1	0.31	2.1	3.2	2.1	1.88	1830
655	935	675	675	7.5	7.5	16600	45000	655TQO935-1		1	0.33	2	3	2.0	1.77	1530
657.225	933.45	676.275	676.275	3.2	6.4	17300	46000	M281649D/M281610/M281610D		1	0.33	2.03	3.02	1.98	1.77	1520
659.924	854.924	318.48	319.192	4.8	9.5	6240	16000	EE749259D/749334/749335D		1	0.35	1.92	2.86	1.88	1.67	462

Four-row Taper Roller Bearing

WSW

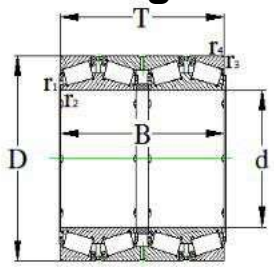


1型 (TQO)

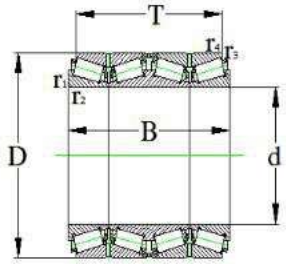


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号 New	旧代号 Old							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor				e	Y1	Y2	Y0	K	Refer.
660	855	318.48	319.192	4.8	9.7	6160	17000	EE749259DGW/749334/749335D		1	0.35	1.9	2.9	1.8	1.66	490
	855	320	320	5	4	6320	18000	660TQO855-1		1	0.47	1.43	2.12	1.4	1.24	474
	1070	642	642	7.5	7.5	19000	43000	660TQO1070-1		1	0.33	2	3	2.0	1.77	2340
660.011	855.015	319.99	319.99	5.2	5.2	6500	18000	3806/660X4/HC		1	0.52	1.3	1.9	1.3	1.12	484
660.4	812.8	365.125	365.125	3.2	6.4	6860	21100	L281149D/L281110/L281110D		1	0.33	2.03	3.02	1.98	1.77	394
	1066.8	647.703	638.175	6.4	6.4	18400	39400	EE428262D/428420/428421XD		1	0.31	2.18	3.24	2.13	1.88	2240
670	900	412	412	6	6	6550	27500		10779/670	1						773
	950	700	700	7.5	7.5	18000	49500	670TQO950-1		1	0.33	2	3	2.0	1.77	1620
	960	700	700	7.5	7.5	18600	48500	670TQO960-1		1	0.33	2	3	2.0	1.77	1690
	980	475	475	7.5	7.5	12600	29200	670TQO980-1		1	0.37	1.8	2.7	1.8	1.58	1240
	1090	690	690	7.5	7.5	20600	47000	670TQO1070-1		1	0.37	1.8	2.7	1.8	1.58	2600
676	910	620	620	4	8	14200	41500	676TQO910-1		1	0.33	2	3	2	1.76	1150
679.45	901.7	552.45	552.45	3.2	6.4	12800	36100	LM281849D/LM281810/LM281810D		1	0.33	2.03	3.02	1.98	1.77	975
680	870	460	460	5	5	9700	30000	680TQO870-1		1	0.42	1.6	2.4	1.6	1.39	695
	970	740	740	3.2	6.4	18800	52800	680TQO970-1		1	0.33	2.03	3.02	1.98	1.77	1770
	1000	505	505	10	10	13000	31500	680TQO1000-1		1	0.33	2	3	2.0	1.77	1380
682.625	965.2	701.675	701.675	3.3	6.4	17700	50000	M282249D/M282210/M282210D		1	0.33	2	3	2.0	1.77	1670
685	965	700	700	7.5	7.5	17700	50000	685TQO965-1		1	0.33	2	3	2.0	1.77	1650
685.8	876.3	355.6	352.425	3.3	6.4	7400	22200	EE655271DW/655345/655346D		1	0.42	1.6	2.4	1.6	1.39	543
708.025	930.275	365.15	365.15	3.3	6.4	13200	40500	LM282549D/LM282510/LM282510D		1	0.33	2	3	2.0	1.77	1070
710	900	410	410	3	6	8800	26500	L882449DGW/L882410/L882410D	779/710	1	0.35	1.9	2.9	1.8	1.66	660
	1000	730	730	7.5	7.5	19400	55500	710TQO900-1		1	0.33	2	3	2.0	1.77	1850
	1030	490	490	7.5	7.5	13200	32500	710TQO1030-1		1	0.37	1.8	2.7	1.8	1.58	1390
	1150	710	710	9.5	9.5	22200	52000	710TQO1150-1		1	0.37	1.8	2.7	1.8	1.58	2970
711.2	914.4	317.5	317.5	3.2	6.4	6030	17900	EE755281D/755360/755361D		1	0.38	1.78	2.65	1.74	1.54	545
	914.4	355.6	355.6	3.3	6.4	7300	22200	711TQO914A-1		1	0.44	1.5	2.3	1.5	1.33	607



1型 (TQO)

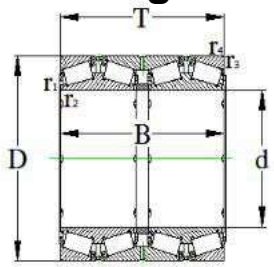


2型(TQI)

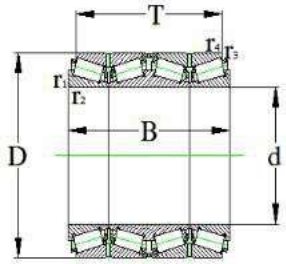
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old	Design	e	Y1	Y2	Y0	K	Refer.
714.375	1016	704.85	704.85	3.2	6.4	19500	52200	M383240D/M383210/M383210D		1	0.35	1.92	2.86	1.98	1.67	1850
717.55	946.15	565.15	565.15	3.2	6.4	13600	39500	LM282847D/LM282810/LM282810D		1	0.33	2.03	3.02	1.98	1.77	1030
730	940	500	500	3.5	8	12100	36000	730TQO940-1		1	0.35	1.9	2.9	1.8	1.69	925
	1035	755	755	7.5	7.5	20400	58500	730TQO1035-1		1	0.33	2	3	2.0	1.77	2070
730.25	1035.05	755.65	755.65	3.2	6.4	19600	54300	M283449D/M283410/M283410D		1	0.33	2.03	3.02	1.98	1.77	2010
749.3	990.6	605	605	3.2	6.4	15700	47700	LM283649D/LM283610/LM283610D		1	0.32	2.12	3.15	2.07	1.82	132
	1066.8	736.6	723.9	spec	12.7	20600	58000	EE325296D/325420/325421XD		1	0.33	2.1	3.1	2.0	1.77	2190
	1130.3	685.8	685.8	7.5	7.5	19700	46500	749TQO1130A-1		1	0.49	1.38	2.06	1.35	1.19	2330
750	1090	515	515	7.5	7.5	14700	36500	750TQO1090-1		1	0.37	1.8	2.7	1.8	1.58	1640
	1130	690	690	4	7.5	20100	46500	750TQO1130-1		1	0.48	1.4	2.1	1.4	1.2	2430
	1220	750	750	9.5	9.5	24900	59000	750TQO1220-1		1	0.37	1.8	2.7	1.8	1.58	3550
	1220	840	840	9.5	9.5	19700	54300		10777/750	1	0.32	2.1	3.1	2.1	1.82	3985
762	1066.8	736.6	723.9	5	12.7	21000	59500	M284148DW/M284111/284110D		1	0.33	2.1	3.1	2.0	1.77	2100
	1079.5	787.4	787.4	4.8	12.7	22200	62700	M284249D/M284210/M284210XD		1	0.33	2.03	3.02	1.98	1.77	2270
780	1220	840	840	6	6	21100	70500	3806/780/HCC9		1						38100
785	1030	605	605	6	7.5	15300	47500	785TQO1030-1		1	0.42	1.6	2.4	1.6	1.39	1390
785	1040	560	560	4.8	9.7	14200	41500	785TQO1040-1		1	0.42	1.6	2.4	1.6	1.39	1330
	1120	820	820	7	7	23800	69000	800TQO1120-1		1	0.33	2	3	2.0	1.77	2600
	1150	535	535	7.5	7.5	15600	37100	800TQO1150-1		1	0.39	1.74	2.59	1.7	1.50	1850
	1280	770	770	9.5	9.5	24900	54800	800TQO1280-1		1	0.39	1.74	2.59	1.7	1.50	3890
812.8	1143	768.35	768.35	6.4	12.7	22000	63000	812TQO1143A-1		1	0.33	2	3	2	1.76	2590
825.5	1168.4	844.55	844.55	4.8	12.7	26000	72300	M285848D/0285810/M285810D		1	0.33	2.03	3.02	1.98	1.77	2990
825.5	1193.8	812.8	812.8	6.4	12.7	30000	67000	EE631325DW/631470/631470D		1	0.39	1.7	2.6	1.7	1.49	3110
840	1170	840	840	7	7	25900	76000	840TQO1170-1		1	0.33	2	3	2.0	1.77	2900

Four-row Taper Roller Bearing

WSW

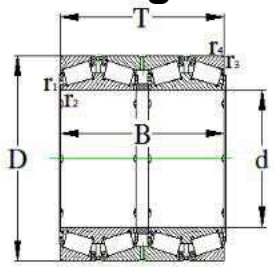


1型 (TQO)

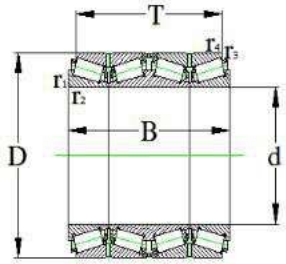


2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号 / 旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New / Old		e	Y1	Y2	Y0	K	Refer.
850	1220	565	565	7.5	7.5	17000	40400	850TQO1220-1	1	0.39	1.74	2.59	1.7	1.50	2190
	1360	820	820	12	12	26800	59000	850TQO1360-1	1	0.39	1.74	2.59	1.7	1.50	4670
	1360	910	910	6	12	34700	83000	850TQO1360-2	1	0.35	1.9	2.9	1.8	1.62	5440
863.6	1130.3	669.925	669.925	4.8	12.7	19100	59600	LM286249D/LM286210/LM286210D	1	0.32	2.08	3.1	2.04	1.82	1780
	1169.987	844.55	844.55	4.8	12.7	23800	76500	863TQO1169A-1	1	0.33	2	3	2	1.76	2700
	1181.1	666.75	666.75	4.8	12.7	20900	57000	LM286449DGW/LM286410/LM286410D	1	0.33	2	3	2	1.76	2150
	1219.2	876.389	876.389	4.8	12.7	28300	81000	863TQO1219A-1	1	0.33	2	3	2.0	1.77	3350
	1219.2	889	876.3	4.8	12.7	28500	84600	EE547341D/547480/547481D	1	0.33	2.03	3.02	1.98	1.77	3330
877.888	1220	844.55	844.55	4.8	12.7	26000	76500	LM286749DGW/LM286711/LM286710	1	0.33	2	3	2	1.76	3080
900	1280	580	580	7.5	7.5	18700	45000	900TQO1280-1	1	0.39	1.74	2.59	1.7	1.50	2430
901.7	1295.4	914.4	901.7	4.8	12.7	30500	88000	EE634356D-510-510D	1	0.33	2	3	2.0	1.77	4010
938.213	1270	825.5	825.5	4.8	12.7	26800	79800	LM287649D/LM287610/LM287610D	1	0.33	2.03	3.02	1.98	1.77	3150
939.8	1333.5	952.5	952.5	4.8	12.7	33500	95400	LM287849D/LM287810/LM287810D	1	0.33	2.03	3.02	1.98	1.77	4380
950	1360	620	620	7.5	7.5	20600	49900	950TQO1360-1	1	0.39	1.74	2.59	1.7	1.50	2970
1001	1360	800	800	12	12.7	27500	81500	1001TQO1360-1	1	0.31	2.2	3.3	2.2	1.83	3390
1003.3	1358.9	800.1	800.1	4.8	12.7	27500	81500	1003TQO1358A-1	1	0.31	2.2	3.3	2.2	1.83	3450
1006.475	1295.4	764	764	4.8	12.7	23100	76500	LM288249D/LM288210/LM288210D	1	0.33	2	3	2.0	1.77	2590
1070	1400	889.762	889.762	4	12	30300	100000	1070TQO1400-1	1	0.33	2	3	2	1.76	3730
1080	1450	950	950	5	12	33600	108000	1080TQO1450-1	1	0.33	2	3	2	1.76	4450
1200.15	1593.85	990.6	990.6	4.8	12.7	38000	125000	LM288949DGW/LM288910/LM288910D	1	0.33	2	3	2	1.76	5635
1250	1550	890	890	5	12	30300	114000	1250TQO1550-1	1	0.33	2	3	2	1.77	3820
1260	1640	1000	1000	5	12	39100	143000	1260TQO1640-1	1	0.31	2.2	3.3	2.2	1.83	5800



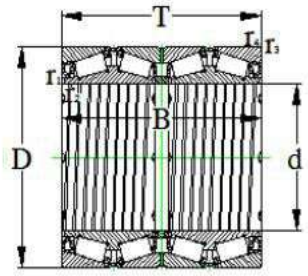
1型 (TQO)



2型(TQI)

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		结构 Design	计算系数 Calculation Factors					质量(kg) Mass
								新代号	旧代号							参考
d	D	T	B	r1.2min	r3.4min	Cr	Cor	New	Old		e	Y_1	Y_2	Y_0	K	Refer.
1300	1720	1040	1040	5	12	42900	140000	1300TQO1720-1		1	0.33	2	3	2	1.76	7000
1370	1765	1050	1035	5	12	42900	153000	1370TQO1765-1		1	0.33	2	3	2	1.76	6960
1500	1900	1080	1080	4	12	46800	170000	1500TQO1900-1		1	0.35	1.9	2.9	1.8	1.68	7700
	1915	1105	1220	spec	spec	44500	168000	1500TQO1915-1		1	0.33	2	3	2.0	1.77	8410
1580	1960	1080	1080	5	12	45700	176000	1580TQO1960-1		1	0.33	2	3	2	1.77	7800

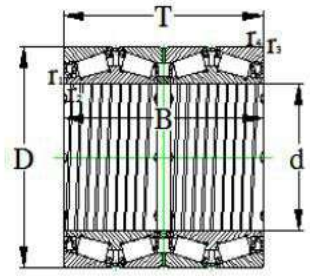
Four-row Taper Roller Bearing
(seal type)



TQOS

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	计算系数 Calculation Factors					质量(kg) Mass 参考 Refer.
d	D	T	B	r1.3min	r3.5min	Cr	Cor		e	Y1	Y2	Y0	K	
152.4	244.475	187.325	192.088	1	3.3	1300	2160	152TQOS244-1	0.33	2	3	2	1.76	30
203.2	317.5	266.7	266.7	2.5	3.3	2460	4900	203TQOS317-1	0.31	2.2	3.3	2.2	1.86	76
206.375	282.575	226	226	0.6	3.3	1300	3350	206TQOS282-1	0.5	1.4	2	1.3	1.15	40
220.662	314.325	239.712	239.712	1.5	3.3	1790	3800	220TQOS314-1	0.35	1.9	2.9	1.8	1.71	56
228.6	400.05	296.875	296.875	2.5	3.3	3360	5700	228TQOS400-1	0.44	1.5	2.3	1.4	1.3	148
241.478	349.148	228.6	228.6	1.5	3.3	1900	3650	241TQOS349-1	0.35	1.9	2.9	1.8	1.62	64
254	358.775	269.875	269.875	1.5	3.3	2330	5400	254TQOS358-1	0.33	2	3	2	1.76	84
260	365	340	340	2.5	3.5	3140	8000	260TQOS365-1	0.35	1.9	2.9	1.8	1.63	112
266.7	355.6	228.6	230.188	1.5	3.3	1720	4150	266TQOS355-1	0.35	1.9	2.9	1.8	1.66	68
276.225	393.7	269.875	269.875	1	6.4	2750	5850	276TQOS393-1	0.37	1.8	2.7	1.8	1.55	96
280	395	340	340	2.5	3.5	3580	8650	280TQOS395-1	0.33	2	3	2	1.77	128
285.75	380.898	244.475	244.475	1	3.3	2200	5500	285TQOS380-1	0.43	1.6	2.3	1.6	1.38	74
300	440	279.4	280.99	3.3	4.8	3080	6700	300TQOS440-1	0.46	1.5	2.2	1.4	1.29	137
304.648	438.048	279.4	280.99	2	4.8	3080	6700	304TQOS438-1	0.46	1.5	2.2	1.4	1.29	129
304.8	419.1	269.875	269.875	1	6.4	2860	6950	304TQOS419-1	0.35	1.9	2.9	1.8	1.62	108
	501.65	336.55	336.55	2	6.4	4730	9300	304TQOS501-1	0.4	1.7	2.5	1.6	1.47	254
304.902	412.648	266.7	266.7	1	3.3	2700	6700	304TQOS412-1	0.31	2.2	3.3	2.2	1.85	100
305	438.048	279.4	280.99	2	4.8	3080	6700	305TQOS438-1	0.46	1.5	2.2	1.4	1.29	129
317.5	422.275	269.875	269.875	1.5	3.3	2640	6550	317TQOS422-1	0.33	2	3	2	1.76	98

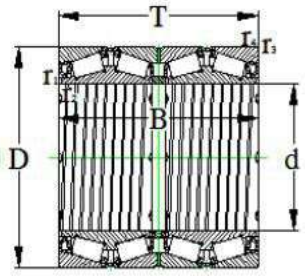
Four-row Taper Roller Bearing
(seal type)



TQOS

基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	计算系数 Calculation Factors					质量(kg) Mass 参考 Refer.
d	D	T	B	r1.3min	r3.5min	Cr	Cor		e	Y1	Y2	Y0	K	
333.375	469.9	342.9	342.9	2.5	3.3	4290	10400	333TQOS469-1	0.33	2	3	2	1.73	182
343.052	457.098	254	254	1	3.3	2330	6000	343TQOS457-1	0.68	1	1.5	1	0.84	109
355.6	482.6	269.875	265.112	1.5	3.3	3080	7500	355TQOS482-1	0.46	1.5	2.2	1.4	1.24	136
	488.95	317.5	317.5	1	3.3	4130	10000	355TQOS488-1	0.33	2	3	2	1.75	172
385.762	514.35	317.5	317.5	1	3.3	3910	10000	385TQOS514-1	0.4	1.7	2.5	1.6	1.49	174
406.4	546.1	288.925	288.925	1.5	6.4	3910	9500	406TQOS546-1	0.48	1.4	2.1	1.4	1.22	183
	546.1	330	330	1.5	6.4	4020	10200	406TQOS546-2	0.48	1.4	2.1	1.4	1.23	202
409.575	546.1	334.962	334.962	1	6.4	4570	12000	409TQOS546-1	0.4	1.7	2.5	1.6	1.47	210
415.925	590.55	434.975	434.975	3.3	6.4	7040	18000	415TQOS590-1	0.33	2	3	2	1.78	379
416	574	440	440	2.5	5	6050	17000	416TQOS574-1	0.33	2	3	2	1.74	341
430	575	380	380	1.5	5	5230	14300	430TQOS575-1	0.33	2	3	2	1.77	267
440	590	480	480	1	5	7040	19200	440TQOS590-1	0.28	2.4	3.6	2.5	2.12	371
	650	353.5	353.5	5.5	6.4	6160	13200	440TQOS650-1	0.33	2	3	2	1.82	378
450	595	398	398	2	6	5500	16300	450TQOS595-1	0.33	2	3	2	1.76	301
457.2	596.9	279.4	276.225	1.5	3.3	3960	10000	457TQOS596-1	0.48	1.4	2.1	2.1	1.24	191
460	610	360	360	3	6	5120	12900	460TQOS610-1	0.37	1.8	2.7	1.8	1.56	270
475	600	368	368	2	6	4730	14000	475TQOS600-1	0.33	2	3	2	1.81	235
479.425	679.45	495.3	495.3	3.3	6.4	8580	2240	479TQOS679-1	0.33	2	3	2	1.76	565
482.6	615.95	330.2	330.2	1	6.4	4950	13700	482TQOS615-1	0.33	2	3	2	1.76	232
	615.95	402.05	402.05	1	6.4	5610	17300	482TQOS615-2	0.33	2	3	2	1.76	290
482.6	630	420	420	3.3	6.4	5940	17000	482TQOS630-1	0.33	2	3	2	1.76	325

Four-row Taper Roller Bearing
(seal type)



TQOS

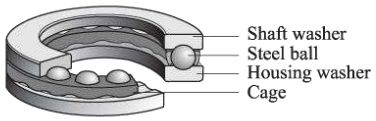
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers	计算系数 Calculation Factors					质量(kg) Mass 参考 Refer.
d	D	T	B	r1.3min	r3.5min	Cr	Cor		e	Y1	Y2	Y0	K	
489.026	634.873	320.675	320.675	1	3.3	4840	12500	489TQOS634-1	0.37	1.8	2.7	1.8	1.54	248
510	655	379	377	1.5	6.4	5720	16300	510TQOS655-1	0.35	1.9	2.9	1.8	1.64	311
540	690	434	434	2	5	7040	21200	540TQOS690-1	0.33	2	3	2	1.7	392
558.8	736.6	322.262	322.262	1.5	6.4	5830	14300	558TQOS736-1	0.35	1.9	2.9	1.8	1.7	343
	736.6	409.575	409.575	3.3	6.4	6600	20000	558TQOS736-2	0.48	1.4	2.1	1.4	1.21	475
	736.6	457.2	455.612	3.3	6.4	7920	23200	558TQOS736-3	0.35	1.9	2.9	1.8	1.69	515
571.5	812.8	593.725	593.725	3.3	6.4	11900	33500	571TQOS812-1	0.33	2	3	2	1.78	998
585.788	771.525	479.425	479.425	4	6.4	9520	27500	585TQOS771-1	0.33	2	3	2	1.78	596
609.6	787.4	361.95	361.95	3.3	6.4	6820	18600	609TQOS787-1	0.37	1.8	2.7	1.8	1.58	430
	813.562	479.425	479.425	3.3	6.4	9680	27500	609TQOS813-1	0.37	1.8	2.7	1.8	1.61	693
635	901.7	654.05	654.05	3.3	6.4	14500	41500	635TQOS901-1	0.35	1.9	2.9	1.8	1.64	1354
679.45	901.7	552.45	552.45	3.3	6.4	12100	36000	679TQOS901-1	0.33	2	3	2	1.76	975
682.625	965.2	701.675	701.675	3.3	6.4	17200	49000	682TQOS965-1	0.35	1.9	2.9	1.8	1.69	651
685.8	876.3	355.6	352.425	3.3	6.4	7210	20000	685TQOS876-1	0.37	1.8	2.7	1.8	1.62	506
710	900	410	410	3	6	8250	24000	710TQOS900-1	0.33	2	3	2	1.8	602
711.2	914.4	317.5	317.5	2.5	6.4	6600	17300	711TQOS914-1	0.37	1.8	2.7	1.8	1.57	490
749.3	990.6	605	605	3.3	6.4	13200	40500	749TQOS990-1	0.37	1.8	2.7	1.8	1.59	1274
762	1079.5	787.4	784.4	4.8	12.7	21200	61000	762TQOS1079-1	0.35	1.9	2.9	1.8	1.68	2248
825.5	1168.4	844.55	844.55	4.8	12.7	24600	73500	825TQOS1168-1	0.31	2.2	3.3	2.2	1.85	2958
863.6	1169.987	844.55	844.55	4.8	12.7	23300	71000	863TQOS1169-1	0.37	1.8	2.7	1.8	1.6	2630

Thrust Cylindrical Roller Bearing

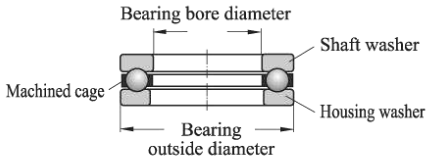
Product Characteristics

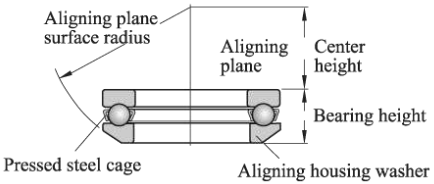
Thrust ball bearing consists of shaft washer, housing washer, steel balls and cage. The ring matched with shaft is called shaft washer, matched with housing called housing washer. If the installation surface profile of housing washer is spherical, the bearing can be self-aligned, which can reduce installation deviation.

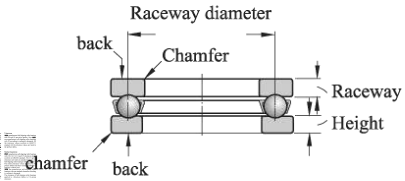
Thrust ball bearings mainly bear axial loads and can transfer big axial loads. It can not bear radial loads. This type the bearing can be applied to steering system of automobile and main shaft of machinery.



(Thrust ball bearing)







Types of bearings

Thrust ball bearings produced by **WSW** cover 2 types:

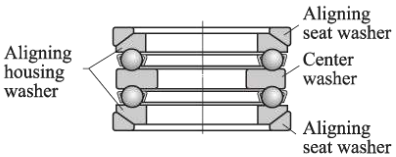
- Single direction thrust ball bearing;
- Double direction thrust ball bearing.

Single- direction thrust ball bearing:

Single- direction thrust ball bearing consists of one shaft washer, two housing washers, one center shaft washer, steel balls which are the cage unit. Bearing can be separated. Shaft washer, housing washers, steel ball - cage unit can be installed individually. These bearings cover 3 types:

- Bearing with flat housing washer
- Bearing with self-aligning housing washer
- Bearing with self-aligning washer and self-aligning seat washer

Double direction thrust ball bearing can bear axial loads from double direction, and can locate the bearing from 2 direction.



Dimension scope

Thrust ball bearings produced by **WSW** are listed in the table,

Inner diameter range: 25mm~1380mm

Outer diameter range: 42mm~1540 mm

Width range: 11mm~160mm

Tolerance

WSW standard thrust ball bearing precisions cover P0, P6, P5, and P4 and conform to the national standards. Please refer to tolerance table in preface.

Cage

Normally pressed cage and solid cage are adopted for this type of bearings. Other cages can be used for this type of bearing for special applications.

If bearing maximum O.D. is 250 mm, pressed steel cage adopted. Cage type is not indicated in the suffix of bearing specifications.

If bearing minimum OD is 250 mm, then solid brass cage adopted. And cage type is not indicated in the suffix of bearing specifications.

Minimum axial loads

When bearing in operation, of loads applied to bearing too small, the axial direction not been pressed tightly, then due to the function of eccentric force, slide occurres to steel balls which can affect bearing operation. In order to avoid this, minimum axial loads Famin must be applied to the bearing.

$$Famin=5.1\left(\frac{n\cdot Coa}{1000}\right)x10^{-6}$$

Famin: minimum loads needed [KN]

n: Rotating speed r/min

C0a: basic rating loads [KN]

Angle deviation allowance

Two supporting surfaces must be parallel, any deviation is not allowed. Thrust ball bearing with spherical seat washer and spherical washer can be aligned, which can reduce the angle deviation when bearings installed.

Equivalent dynamic load

P=Fa [KN]

Equivalent static load

P0=Fa [KN]

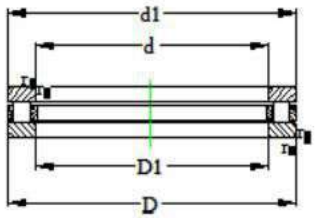
Flat thrust bearings can be placed either vertically or horizontally to take axial loads. They can also work in conjunction with other bearings (e.g.: radial) in one single arrangement.

Cooper flat thrust bearings are used on gearboxes in power stations and cement works, air pre-heaters and coal pulverisers in power stations and water and sewage pumps and many other applications.

We can supply flat thrust bearings in custom-made designs and bore sizes from 60mm to 600mm to suit your individual application' s requirements. They are supplied un-mounted to be incorporated directly, but we can also create special housings if required.

All Cooper flat thrust bearings are made to order.

Thrust Cylindrical Roller Bearing



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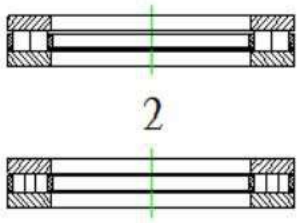

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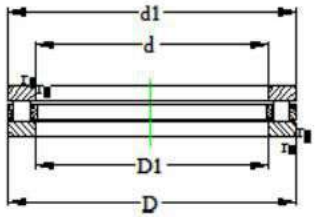
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		最小负荷系数 Minimum Load Factor	轴承代号 Bearing Numbers		结构 Design	质量(kg) Mass 参考
									新型号	旧型号		
d	D	H	$r_{1.2min}$	d_1	D_1	Ca	Coa	A	New	Old		Refer.
100	135	25	1	135	102	146	585	0.027	81120	9120	1	1.0
	150	38	1.1	150	103	224	830	0.055	81220	9220	1	2.2
	170	42	1.5	170	103	300	1370	0.15	89320	9549320	2	4.2
	210	50	3	210	103	540	2750	0.61	87420	7549420	3	9.0
	210	67	3	210	103	680	2800	0.63	89420	9549420	2	12
110	145	25	1	145	112	153	630	0.031	81122	9122	1	1.1
	160	38	1.1	160	113	240	915	0.066	81222	9222	1	2.45
	190	48	2	190	113	400	1830	0.27	89322	9549322	2	6.05
	230	54	3	230	113	640	3200	0.82	87422	7549422	3	11.5
	230	73	3	230	113	800	3350	0.90	89422	9549422	2	15.5
120	155	25	1	155	122	160	680	0.036	81124	9124	1	1.15
	170	39	1.1	170	123	245	965	0.074	81224	9224	1	2.7
	210	54	2.1	210	123	500	2280	0.42	89324	9549324	2	8.5
	250	58	4	250	123	765	4000	1.3	87424	7549424	3	15.0
	250	78	4	250	123	930	3900	1.2	89424	9549424	2	19.5
130	170	30	1	170	132	183	780	0.048	81126	9126	1	1.7
	190	45	1.5	187	133	335	1250	0.13	81226	9226	1	4.2
	225	58	2.1	225	134	560	2650	0.56	89326	9549326	2	10.0
	270	63	4	270	134	830	4400	1.5	87426	7549426	3	18.5
	270	85	4	270	134	1060	4500	1.6	89426	9549426	2	24.0
140	180	31	1	178	142	193	850	0.057	81128	9128	1	1.95
	200	46	1.5	197	143	360	1400	0.16	81228	9228	1	4.55
	240	60	2.1	240	144	640	3100	0.77	89328	9549328	2	12.0
	280	63	4	280	144	880	4800	1.8	87428	7549428	3	19.5
	280	85	4	280	144	1100	4800	1.8	89428	9549428	2	27.0
150	190	31	1	188	152	200	900	0.064	81130	9130	1	2.05
	215	50	1.5	212	153	465	1900	0.29	81230	9230	1	5.9

Thrust Cylindrical Roller Bearing



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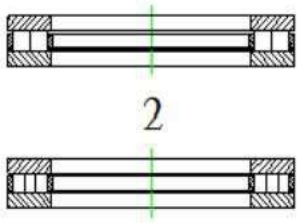

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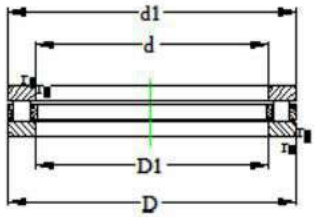
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		最小负荷系数 Minimum Load Factor	轴承代号 Bearing Numbers		结构 Design	质量(kg) Mass 参考
									新型号	旧型号		
d	D	H	$r_{1.2min}$	d_1	D_1	Ca	Coa	A	New	Old		Refer.
150	250	60	2.1	250	154	670	3250	0.85	89330	9549330	2	12.5
	300	67	4	300	154	1000	5400	2.3	87430	7549430	3	23.5
	300	90	4	300	154	1250	5600	2.5	89430	9549430	2	32.0
160	200	31	1	198	162	204	965	0.074	81132	9132	1	2.7
	225	51	1.5	222	163	480	2000	0.32	81232	9232	1	6.2
	270	67	3	270	164	780	3800	1.2	89332	9549332	2	16.5
	320	73	5	320	164	1160	6400	3.3	87432	7549432	3	29.5
	320	95	5	320	164	1430	6400	3.3	89432	9549432	2	38.0
170	215	34	1.1	213	172	260	1180	0.11	81134	9134	1	2.95
	240	55	1.5	237	173	540	2280	0.42	81234	9234	1	7.7
	280	67	3	280	174	800	4000	1.3	89334	9549334	2	17.5
	340	78	5	340	174	1290	7100	4	87434	7549434	3	35.5
	340	103	5	340	174	1600	7200	4.1	89434	9549434	2	47.0
180	225	34	1.1	222	183	270	1270	0.13	81136	9136	1	3.05
	250	56	1.5	247	183	550	2400	0.46	81236	9236	1	8.25
	300	73	5	300	184	1020	5000	2	89336	9549336	2	22.0
	360	82	5	360	184	1500	8500	4.1	87436	7549436	3	42.5
	360	109	5	360	186	1900	7200	5.8	89436	9549436	1	56.5
190	240	37	1.1	237	193	310	1460	0.17	81138	9138	1	3.85
	270	62	2	267	194	695	2900	0.67	81238	9238	1	10.5
	320	78	4	320	195	1140	5600	2.5	89338	9549338	2	27.0
	380	85	5	380	195	1600	9150	6.7	87438	7549438	3	48.5
200	250	37	1.1	247	203	310	1500	0.18	81140	9140	1	4.0
	280	62	2	277	204	720	3100	0.77	81240	9240	1	12.0
	340	85	4	340	205	1290	6400	3.3	89340	9549340	2	32.0
	400	90	5	400	205	1830	10400	8.7	87440	7549440	3	57.0
220	270	37	1.1	267	223	335	1700	0.23	81144	9144	1	4.5
	300	63	2	297	224	750	3350	0.90	81244	9244	1	13.0
	360	85	4	360	220	1210	5450	4.1	89344	9549344	2	36.9

Thrust Cylindrical Roller Bearing



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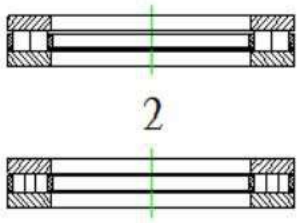

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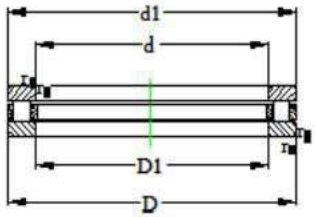
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		最小负荷系数 Minimum Load Factor	轴承代号 Bearing Numbers		结构 Design	质量(kg) Mass 参考
d	D	H	r1.2min	d1	D1	Ca	Coa	A	新型号 New	旧型号 Old		Refer.
220	360	112	4	360	225	2450	8500	5.8	81344	9344	1	49.0
	420	112	6	420	225	2320	11200	10	89444	9549444	2	82.0
240	300	45	1.5	297	243	475	2450	0.48	81148	9148	1	7.25
	340	78	2.1	335	244	1100	4900	1.9	81248	9248	1	22.0
	380	85	4	380	240	1290	6100	5.8	89348	9549348	2	39.4
260	320	45	1.5	317	263	490	2600	0.54	81152	9152	1	7.85
	360	79	2.1	355	264	1140	5300	2.2	81252	9252	1	24.0
	420	95	1.1	420	260	1670	7700	8.7	89352	9549352	2	55.2
	480	132	6	480	265	2850	14300	16	89452	9549452	2	114
280	350	53	1.5	347	283	680	3550	1	81156	9156	1	10.5
	380	80	2	375	284	1160	5500	2.4	81256	9256	1	26.0
	440	95	5	438	282	1800	8650	8.7	89356	9549356	2	58.4
	520	190	6	520	286	3900	14600	17	81456	9456	1	195
300	380	48	2	377	303	640	3550	1	89160	9549160	1	13.5
	380	62	2	376	304	850	4400	1.5	81160	9160	1	16.5
	420	95	3	415	304	1530	7200	4.1	81260	9260	1	40.5
	480	109	5	480	300	2260	10500	6.7	89360	9549360	2	81.7
320	400	63	2	396	324	880	4650	1.7	81164	9164	1	18.0
	440	95	3	435	325	1560	7500	4.5	81264	9264	1	42.5
	500	109	5	500	325	2200	10400	6.7	89364	9549364	2	85.9
340	420	64	2	416	344	900	4900	1.9	81168	9168	1	19.5
	460	96	3	455	345	1630	8000	5.1	81268	9268	1	47.0
	540	122	5	540	345	2790	13300	8.7	89368	9549368	2	115
360	440	48	2	437	363	680	4150	1.4	89172	9549172	1	15.5
	440	65	2	436	364	900	4900	1.9	81172	9172	1	19.5
	500	110	4	495	365	2160	10400	8.7	81272	9272	1	65.5
	560	122	5	560	360	2870	14000	8.7	89372	9549372	2	120
380	460	48	2	457	383	710	4400	1.5	89176	9549176	1	16.5
	460	65	2	456	384	930	5300	2.2	81176	9176	1	22.0
	520	112	4	515	385	2200	10800	9.3	81276	9276	1	70.0

Thrust Cylindrical Roller Bearing



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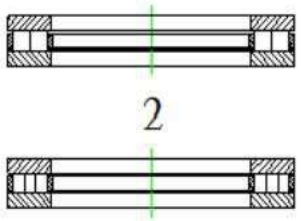

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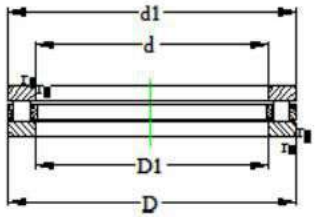
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		最小负荷系数 Minimum Load Factor	轴承代号 Bearing Numbers		结构 Design	质量(kg) Mass 参考
									新型号	旧型号		
d	D	H	$r_{1.2min}$	d_1	D_1	Ca	Coa	A	New	Old		Refer.
400	480	48	2	477	403	735	4650	1.7	89180	9549180	1	17.5
	480	65	2	476	404	965	5600	2.5	81180	9180	1	23.0
	540	112	4	535	405	2240	11200	10	81280	9280	1	73.0
	710	185	7.5	710	405	5700	31000	77	89480	9549480	1	350
420	500	48	2	497	423	765	4900	1.9	89184	9549184	1	18.0
	500	65	2	495	424	980	5850	2.7	81184	9184	1	24.0
	580	130	5	575	425	2850	14000	16	81284	9284	1	95.5
440	540	60	2.1	537	443	1040	6400	3.3	89188	9549188	1	30.0
	540	80	2.1	535	444	1430	8000	5.1	81188	9188	1	39.5
	600	130	5	595	445	2900	14600	17	81288	9288	1	110
460	560	60	2.1	557	463	1080	6700	3.6	89192	9549192	1	31.5
	560	80	2.1	555	464	1460	8500	5.8	81192	9192	1	41.0
	620	130	5	615	465	2700	13400	14	81292	9292	1	118
480	580	60	2.1	577	483	1100	6950	3.9	89196	9549196	1	32.5
	580	80	2.1	575	484	1460	8650	6	81196	9196	1	43.0
	650	135	5	645	485	3350	17000	23	81296	9296	1	128
500	600	60	2.1	597	503	1220	8150	5.3	891/500	95491/500	1	34.0
	600	80	2.1	595	505	1560	9300	6.9	811/500	91/500	1	44.0
	670	135	5	665	505	3400	17600	25	812/500	92/500	1	133
530	640	67	3	636	534	1370	8800	6.2	891/530	95491/530	1	44.0
	640	85	3	635	535	1730	10600	9	811/530	91/530	1	55.5
	710	140	5	705	535	3650	18600	28	812/530	92/530	1	154
560	670	67	3	666	564	1370	9150	6.7	891/560	95491/560	1	46.5
	670	85	3	665	565	1760	11100	9.7	811/560	91/560	1	58.0
	750	150	5	745	565	3800	20000	32	812/560	92/560	1	187
600	710	67	3	706	604	1430	9650	7.4	891/600	95491/600	1	49.5
	710	85	3	705	605	1800	11600	11	811/600	91/600	1	62.0
	800	160	5	795	605	4400	24000	46	812/600	92/600	1	240

Thrust Cylindrical Roller Bearing



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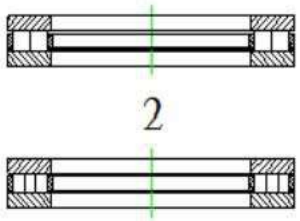

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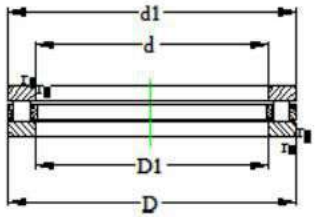
基本尺寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		最小负荷系数 Minimum Load Factor	轴承代号 Bearing Numbers		结构 Design	质量(kg) Mass 参考
									新型号	旧型号		
d	D	H	$r_{1.2min}$	d_1	D_1	Ca	Coa	A	New	Old		Refer.
630	750	73	3	746	634	1630	11200	10	891/630	95491/630	1	62.0
	750	95	3	746	634	2160	13700	15	811/630	91/630	1	80.0
	850	175	6	842	638	4800	26000	54	812/630	92/630	1	295
670	800	78	4	795	675	2000	13400	14	891/670	95491/670	1	75.5
	800	105	4	795	675	2550	16300	21	811/670	91/670	1	110
	900	180	6	892	678	5700	30500	74	812/670	92/670	1	335
710	850	85	4	845	715	2200	15000	18	891/710	95491/710	1	95.0
	850	112	4	845	715	2900	18300	27	811/710	91/710	1	155
	950	190	6	942	718	5850	32000	82	812/710	92/710	1	395
750	900	90	4	895	755	2400	16600	22	891/750	95491/750	1	115
	900	120	4	895	755	3250	21200	36	811/750	91/750	1	155
	1000	195	6	992	758	6550	36000	100	812/750	92/750	1	445
800	950	90	4	945	805	2500	18000	26	891/800	95491/800	1	120
	950	120	4	945	805	3450	22000	39	811/800	91/800	1	165
	1060	205	7.5	1050	810	7350	40500	130	812/800	92/800	1	515
850	1000	90	4	995	955	2600	19000	29	891/850	95491/850	1	130
	1000	120	4	995	855	3450	23200	43	811/850	91/850	1	170
	1120	212	7.5	1110	860	8150	45500	170	812/850	92/850	1	580
900	1060	95	5	1055	905	3050	22000	39	891/900	95491/900	1	150
	1060	130	5	1054	906	4000	27000	58	811/900	91/900	1	210
	1180	220	7.5	1170	910	8500	49000	190	812/900	92/900	1	665
950	1120	103	5	1115	955	3450	25000	50	891/950	95491/950	1	185
	1120	135	5	1114	956	4400	30000	72	811/950	91/950	1	250
	1250	236	7.5	1240	960	10000	58500	270	812/950	92/950	1	805
1000	1090	70	2.1	1090	1003.5	1830	15300	19	810/1000	90/1000	1	68.0
	1180	109	5	1175	1005	3900	28500	65	891/1000	95491/1000	1	220
1000	1180	140	5	1174	1006	4750	32500	84	811/1000	91/1000	1	285
	1320	250	9.5	1308	1012	10200	60000	290	812/1000	92/1000	1	965

Thrust Cylindrical Roller Bearing



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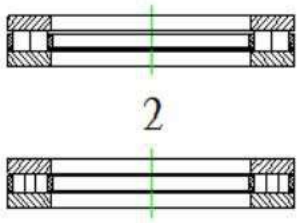


2

3

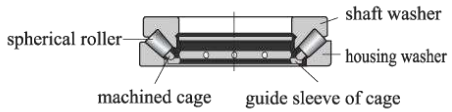
基 本 尺 寸(mm) Boundary Dimensions						基本额定载荷(kN) Basie Load Ratings		最小负荷系数 Minimum Load Factor	轴 承 代 号 Bearing Numbers		结构 Design	质量(kg) Mass
									新型号	旧型号		参考
d	D	H	$r_{1.2min}$	d_1	D_1	Ca	Coa	A	New	Old		Refer.
1060	1250	115	5	1245	1065	4150	31000	77	891/1060	95491/1060	1	260
	1250	150	5	1244	1066	5300	36500	110	811/1060	91/1060	1	225
	1400	265	9.5	1388	1972	12000	71000	400	812/1060	92/1060	1	1150
1120	1320	122	5	1315	1125	4900	36500	110	891/1120	95491/1120	1	305
	1320	160	5	1314	1126	6000	41500	140	811/1120	91/1120	1	410

Thrust Spherical Roller Bearing

Product Characteristics

Same as aligning roller bearings, housing washer raceway surface is a spherical one which takes the same point of bearing central axle as the spherical center point.

The rollers of these bearings are of spherical shape, therefore they are self-aligning and they are not so sensitive to eccentricity and bending of the shaft.



Different with other thrust bearings, these bearings are featured by the extremely big axial load carrying capacity and meanwhile they can also carry certain radial load, however, the radial load should not exceed 55% of the axial load.

If the load P and P0 do not exceed 0.05Co, and the shaft washer rotates, then the following angels of misalignment are permissible:

Bearing diameter series	Aligning angle
200 series	1° ~1.5°
300 series	1.5° ~2°
400 series	1.2° ~3°

The figures with small values are suitable for comparatively large size bearings, and when the load increases, the permissible misalignment shall decrease.

Oil lubrication is commonly used while working.

Applications of these bearings can be found in hydroelectric generators, vertical motors, propeller axle of vessels, tower cranes and squeezing presses.

Types of bearings

- Symmetric Thrust Spherical roller bearings
- Asymmetric Thrust Spherical roller bearings

Dimension scope

The Principal dimensions of **WSW** thrust spherical roller bearings have been listed in dimension table.

Bore diameter range: 60mm-1120mm
Outer diameter range: 130mm-1460mm
Width range: 39mm-354mm

Tolerance

WSW can supply bearings with P0, P6 and P5 class.

Cage

WSW thrust spherical roller bearings generally use brass cages and pressed cages. When they use brass cages, there is no suffix in the bearing code; when they use other cages, there is relative suffix in the bearing code.

Minimum axial load

The minimum axial load Famin required by the thrust spherical roller bearings when they are in working condition is the bigger value calculated according to the following two formulas:

$$Famin = \frac{Coa}{2000}$$

$$Famin = 1.8Fr + 1.33\left(\frac{Coa}{2000}\right)^2 \times 10^{-7}$$

Where:

Famin: the minimal axial load required kN
N: rotational speed r/min
Coa: basic static load rating kN
Fr: radial load kN

Equivalent dynamic load

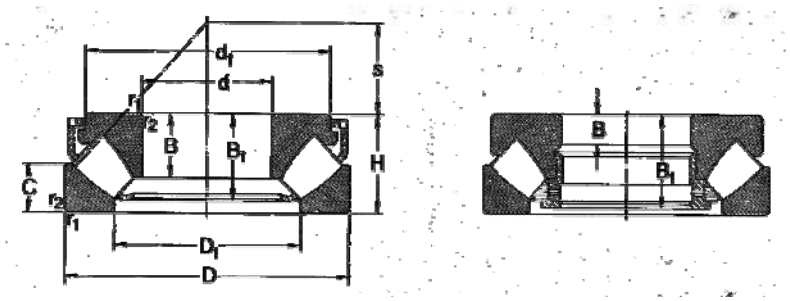
$P = Fa + 1.2Fr$

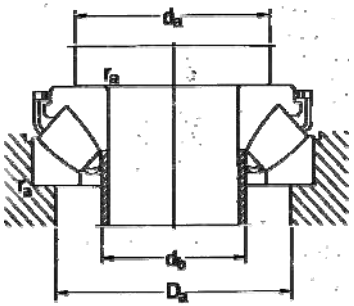
Equivalent static load

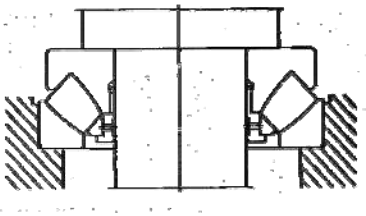
$P0 = Fa + 2.7Fr$

Applications of these bearings can be found in the oil drillers and iron or steel processing machines.

Thrust Spherical Roller Bearing



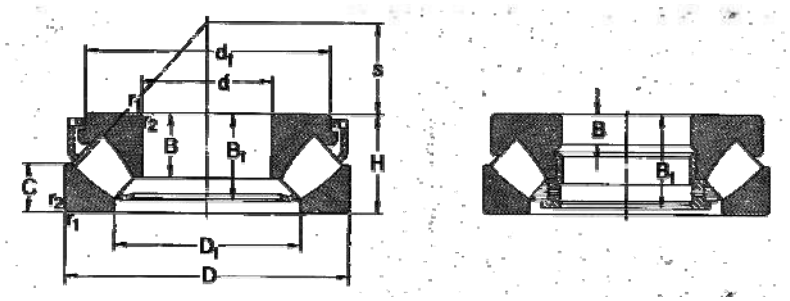


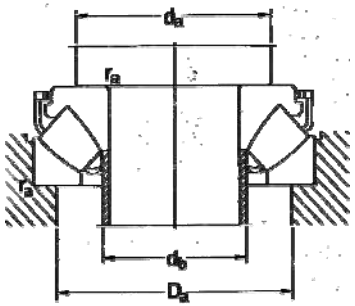


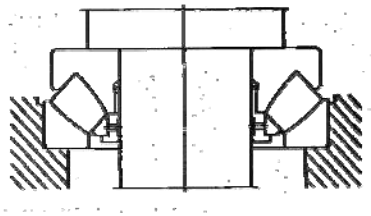
基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 Grease	油润滑 Oil	轴承代号 Bearing Numbers 新代号 New	旧代号 Old	相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass 参考 Refer.
d	D	H	r1.2	d1	D1	B	C	S	Ca	Coa					da min	Da max	ra max	
100	170	42	1.5	152	128	26.2	20.8	58	410	1280	1500	2000	29320	9039320	130	150	1.5	3.91
	210	67	3	190	146	45	32	62	590	860	1000	1400		9069420	150	175	2.5	10.5
	210	67	3	185	144	43	33	62	840	2400	1100	1600	29420	9039420	150	175	2.5	10.5
110	190	48	2	175	135	30	24	64	347	970	1100	1600		9069322				5.46
	190	48	2	175	143	16	23	64	530	1710	1300	1800	29322	9039322	145	165	2	6.94
	230	73	2	195	150	43	35	69	545	1497	950	1400		9069422				12.8
	230	73	3	208	155.5	26	34.4	69	1010	2930	950	1400	29422	9039422	165	190	2.5	18.1
120	210	54	2.5	188	161	34	30	57	380	680	1000	1600		9069324	160	181	2	6.88
	210	54	2.1	187.5	156.5	34	27	70	645	2100	1100	1600	29324	9039324	160	180	2	7.3
	250	78	4	222	181	48	38	74	720	1100	750	1100		9069424	180	209	3	19.5
	250	78	4	222	172	50.5	37	74	1160	3400	900	1300	29424	9039424	180	205	3	17.1
130	225	58	2.5	200	170	37	29	76	440	750	950	1500		9069326	175	194	2	8.26
	225	58	2.1	200	166	36.5	28	76	740	2450	1000	1500	29326	9039326	170	195	2	8.48
	270	85	4	240	190	55	44	79	760	1100	700	1100		9069426	195	227	3	23.0
	270	85	4	246	183	31	39.7	81	1330	3900	850	1200	29426	9039426	195	225	3	28.3
140	240	60	2.1	216.5	179	38.5	30	82	840	2810	950	1400	29328	9039328	185	205	2	10.4
	280	85	4	247	203	55	47	64	825	1120	670	950		9069428	205	236	3	22.7
	280	85	4	244.5	195.5	54	42	86	1370	4200	850	1200	29428	9039428	205	235	3	22.2
150	215	39	1.5		177				351	1560		1800	29230	9039230				4.6
	250	60	2.1	220	185	36	31	87	525	1670		1200		9069330				10.2
	250	60	2.1	240	194	20	29	87	870	2900	950	1400	29330	9039330	195	215	2	11.5
	300	90	4	270	220	60	48	69	995	1760	630	900		9069430	220	253	3	27.3
	300	90	4	266	206	58	44	92	1580	4900	800	1100	29430	9039430	220	250	3	27.9
160	225	39	1.5		188				362	1650		1700	29232	9039232				4.8
	270	67	3	240	200	45	32	92	610	2240		1100		9069332				13.5
	270	67	3	243	203	42	33	92	1010	3400	850	1200	29332	9039332	210	235	2.5	14.3

Thrust Spherical Roller Bearing

WSW

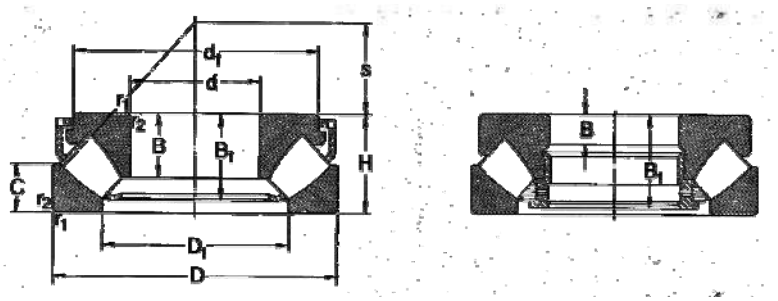


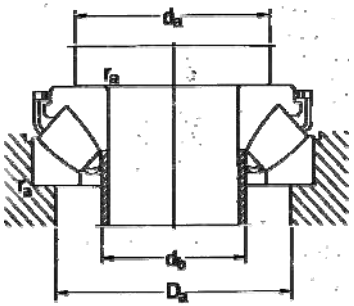


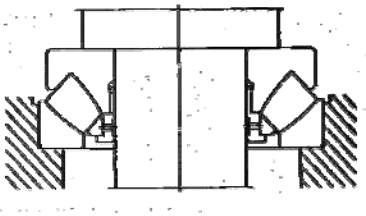


基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
											脂润滑	油润滑	新代号	旧代号				参考
d	D	H	r1.2	d1	D1	B	C	S	Ca	Coa	Grease	Oil	New	Old	da min	Da max	ra max	Refer.
160	320	95	5	275	234	61	53	74	1000	1720	560	800		9069432	235	270	4	33.3
	320	95	5	285	218.5	34	46.9	99	1740	5400	750	1000	29432	9039432	230	265	4	32.8
170	240	42	1.5		201				408	1900		1600	29234	9039234				6.0
	280	67	3	260.3	216	43.5	31.7	96	1050	3500	850	1200	29334	9039334	220	245	2.5	15.7
	340	103	5	310	243	71	48	104	1210	2200	530	750		9069434	250	286	3	40.7
	340	103	5	302	235	65.5	50	104	1680	5800	700	950	29434	9039434	245	285	4	39.7
180	250	42	1.5	239	209	15	21.3	97	420	2010	900	1600	29236	9039236	215	227	1.5	7.05
	300	73	3	270	225	46	36	103	790	2731	630	900		9069336	235	262	2.5	18.3
	300	73	3	275	229	25	34.4	103	1230	4200	800	1100	29336	9039336	235	260	2.5	19.9
	360	109	5	308	265	67	58	82	1210	2200	550	750		9069436	265	304	4	42.3
	360	109	5	326	249.5	39	51.2	110	1870	6500	670	900	29436	9039436	265	304	4	64.2
190	270	48	2	250	224	30	24	110	420	1746		1000		9069238				8.0
	270	48	2	255	226		25.5	103	518	2200		1400	29238	9039238	225	243	2	8.7
	320	78	4	288.5	244	49	38	110	1370	4700	750	1000	29338	9039338	250	275	3	23.0
	380	115	5	345	263	41	53.7	117	2100	7450	630	850	29438	9039438	275	320	4	75.6
200	280	48	2	266	236	15	24	108	540	2310		1400	29240	9039240	235	255	2	8.5
	340	85	4									800		9069340				29.5
	340	85	4	306.5	257	53.5	41	116	1570	5450	700	950	29340	9039340	265	295	3	28.5
	400	122	5	360	278	62	62	122	1740	6054		710		9069440				60.6
	400	122	5	360	267.5	44	56.7	122	2290	8150	600	800	29440	9039440	290	335	4	83.5
220	300	48	6	286	260	31	24	117	504	1932	850	1300	29244	9069244	260	273	5	8.0
	300	48	6	285	254	15	24	117	560	2500		1300		9039244	260	275	5	9.2
	360	85	6	320	270	52	44	125	970	3768		800		9069344			5	32.5
	360	85	6	330	277.5	29	40.7	125	1340	5200	700	950	29344	9039344	285	315	5	28.6
	420	122	6	400	330	78	59	142	1830	6624		710		9069444	335	378	5	74.5
240	420	122	6	385	308	43	58	132	2350	8650	560	750	29444	9039444	310	355	5	74.0
	340	60	2.1	325	283	19	30	130	800	3450		1100	29248	9039248	285	305	2	16.5

Thrust Spherical Roller Bearing

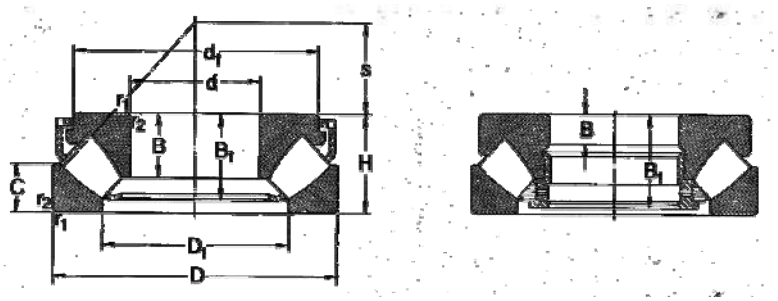


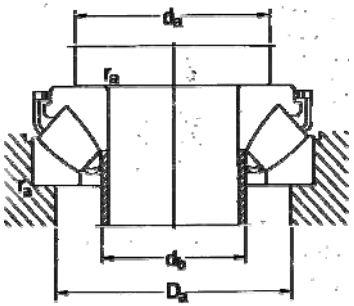


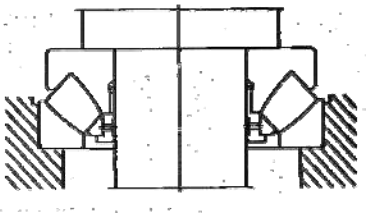


基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
											脂润滑	油润滑	新代号	旧代号				参考
d	D	H	r1.2	d1	D1	B	C	S	Ca	Coa	Grease	Oil	New	Old	da min	Da max	ra max	Refer.
240	380	85	4	340	290	52	44	135	1320	4250		800		9069348				33.8
	380	85	4	360	298.5	29	41	135	1360	5400	670	900	29348	9039348	300	330	3	35.5
	440	122	6	380	310	62	62	142	1920	7160	550	750		9069448				74.5
	440	122	6	400	316	43	60	142	2420	9100	560	750	29448	9039448	330	375	5	96.1
260	360	60	2.1	335	302	38	30	139	645	2880	530	750		9069252	310	326	2	15.7
	360	60	2.1	345	302	19	30	139	855	3850		1100	29252	9039252	305	325	2	18.0
	420	95	5	370	315	60	46	148	1420	5850		710		9069352				45.6
	420	95	5	392.3	327.5	70.9	46	148	1700	7500	600	800	29352	9039352	330	365	4	50.2
	480	132	6	415	335	80	66	154	2120	8220		630		9069452				91.8
280	480	132	6	445	346	86	63	154	2820	10700	500	670	29452	9039452	360	405	5	101.5
	380	60	2.1	365	323	19	30	150	885	4100	700	1000	29256	9039256	325	345	2	21.7
	440	95	5	413	348	64	46	158	1560	6120	530	750		9069356	355	390	4	49.1
	440	95	5	410	348	32	46	158	1830	7650	600	800	29356	9039356	350	390	4	52.2
	520	145	6	450	365	75	72	166	2600	9860		630		9069456				115
	520	145	6	480	384	104	68	160	3400	13100	480	630	29456	9039456	390	440	5	134
300	420	73	3	400	353	21	38	162	1160	5150		900	29260	9039260	355	380	2.5	30.0
	480	109	5	425	365	58	52	168	1870	7650		630		9069360				61.4
	480	109	5	450	379	37	50	168	2190	9100	530	700	29360	9039360	380	420	4	74.0
	540	145	6	500	402	52	70	175	3500	13700	450	600	29460	9039460	410	460	5	140.0
320	440	73	3	420	372	21	38	172	1190	5450		850	29264	9039264	375	400	2.5	32.5
	500	109	5	445	385	68	55	180	2030	7960		560		9069364				73.4
	500	109	5	463	394	83.4	52.3	180	2230	9400	500	670	29364	9039364	400	440	4	75.7
	580	155	7.5	500	410	95	75	191	2930	11660				9069464				171
	580	155	7.5	555	436	108	75	191	3650	14600	430	560	29464	9039464	435	495	6	178
340	340	73	3	438	388	48	36	204	1150	2550	530	750		9069268	400	422	2.5	31.4
	460	73	3	440	395	21	37	183	1230	5750		850	29268	9039268	395	420	2.5	33.5
	540	122	5	480	410	74	62	192	2710	11000				9069368				94.9

Thrust Spherical Roller Bearing

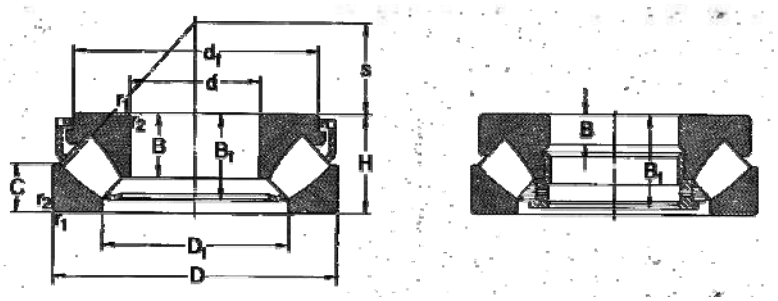


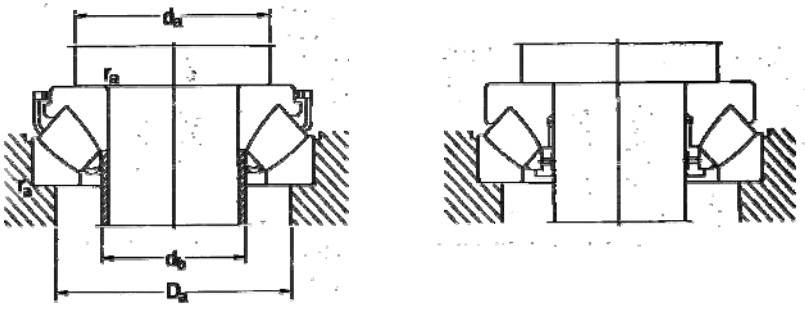




基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
											脂润滑	油润滑	新代号	旧代号				参考
d	D	H	r1.2	d1	D1	B	C	S	Ca	Coa	Grease	Oil	New	Old	da min	Da max	ra max	Refer.
340	540	122	5	510	428	41	59	192	2640	11200		600	29368	9039368	430	470	4	103
	620	170	7.5	560	449.5	61	80	201	4400	17400	380	500	29468	9039468	465	530	6	218
360	500	85	4	480	423	25	44	194	1550	7300		750	29272	9039272	420	455	3	51
	560	122	5	525	448	41	59	202	2670	11500		600	29372	9039372	450	495	4	107
	640	170	7.5	555	460	87	85	210	3790	15440		450		9069472				199
	640	170	7.5	580	474	63	83.5	210	5200	21000		500	29472	9039472	485	550	6	230
380	520	85	4	496	441	27	42	202	1620	7800		700	29276	9039276	440	475	3	52
	600	132	6	561	475	44	61.4	216	3300	14200		530	29376	9039376	480	525	5	129
	670	175	7.5	610	494	120	87.5	222	5800	24000		480	29476	9039476	510	575	6	260
400	540	85	4	500	450	55	42	212	1260	7060				9069280				49
	540	85	4	510	460	27	42	212	1640	8000	500	700	29280	9039280	460	490	3	65
	620	132	6	555	475	81	65	225	2860	12200				9069380				134
	620	132	6	582	489	44	64.7	225	3250	14500	440	620	29380	9039380	500	550	5	153
	710	185	7.5	659	547	112	96	236	4450	19200				9069480				272
	710	185	7.5	645	525	67	89.5	234	6350	26100		450	29480	9039480	540	610	6	310
420	580	95	5	548	489	62	46	251	1880	5300		560		9069284	500	525	4	78.9
	580	95	5	553	489	30	46	225	2010	9800		630	29284	9039284	490	525	4	72.0
	650	140	6	610	514.5	48	68	235	3600	16000	420	600	29384	9039384	525	575	5	175
	730	185	7.5	665	545	67	90.5	244	6650	27500		430	29484	9039484	560	630	6	323
440	600	95	5	575	508	30	49	235	2030	10100		630	29288	9039288	510	545	4	77
	680	145	6	626	540	49	70.5	245	4250	16700		480	29388	9039388	550	600	5	180
	780	206	9.5	710	577	74	101	260	7550	32000		380	29488	9039488	595	670	8	410
	780	206	9.5	660	588	110	100	260	7880	34000			29488/HV		595	670	8	346.6
460	620	95	5	590	525.5	30	49.4	245	2060	10300	400	600	29292	9039292	530	570	4	75
	710	150	6	666	567	51	72	257	4100	18400		450	29392	9039392	575	630	5	210
	800	206	9.5	765	608	74	100	272	6900	28300		380	29492	9039492	615	690	8	420
480	650	103	5	600	540	65	50	259	1950	10500				9069296				89.4

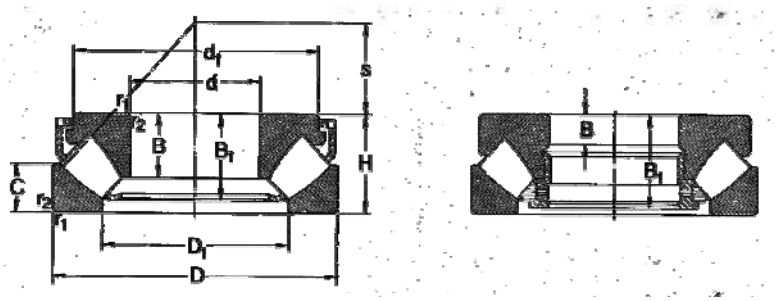
Thrust Spherical Roller Bearing

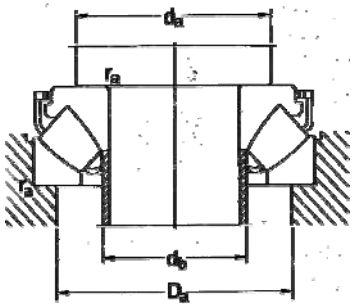


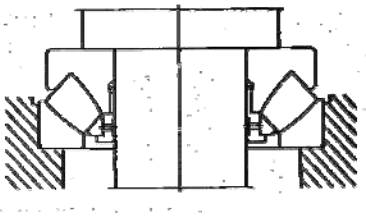


基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
											脂润滑	油润滑	新代号	旧代号				参考
d	D	H	$r_{1,2}$	d_1	D_1	B	C	S	Ca	Coa	Grease	Oil	New	Old	$d_{a\ min}$	$D_{a\ max}$	$r_{a\ max}$	Refer.
480	650	103	5	624	556	33	55	259	2370	12100		560	29296	9039296	555	595	4	97
	730	150	6	690	590	51	72	270	4150	19000		450	29396	9039396	595	650	5	215
	850	224	9.5	810	638	81	108	280	7200	31000		340	29496	9039496	645	730	8	545
500	670	103	5	620	560	60	50	268	2050	1080				90692/500				92
	670	103	5	645	574	33	55	268	2390	12400	380	560	292/500	90392/500	575	615	4	100
	750	150	6	705	611	98	71	280	3550	1720				90693/500				211
	750	150	6	715	611	51	74	280	4350	20400	340	520	293/500	90393/500	615	670	5	220
	870	224	9.5	760	630	140	110	290	6290	27340				90694/500				520
	870	224	9.5	790	648	81	107	290	7850	33000	320	460	294/500	90394/500	670	750	8	589
530																		
	710	109	5											90692/530				117
	710	109	5	680	604	69.5	54	288	2620	15300	350	530	292/530	90392/530	620	655	4	118
	800	160	7.5	760	648	54	76	295	5050	23300		400	293/530	90393/530	655	710	6	284
	920	236	9.5	840	700	145	116	309	8386	32600				90694/530				573
	920	236	9.5	880	696	85	114	310	8550	37000		320	294/530	90394/530	715	790	8	660
560	750	115	5	695	625	72	58	300	2430	13300				90692/560				127
560	750	115	5	732	644	37	61	302	2990	17900	360	480	292/560	90392/560	655	685	4	140
	850	175	7.5	810	687	59	85	310	5700	26700		360	293/560	90393/560	695	750	6	354
	980	250	12	935	744	91	124	325	9600	42000		300	294/560	90394/560	755	835	10	800
	980	250	12	830	727	142	122	328	12000	51000			294/560/HV					674
600	800	122	5	772	688	39	58	321	3300	17800		450	292/600	90392/600	690	735	4	169.0
	900	180	7.5	840	720	65	89	340	6330	33700		340	293/600	90393/600	755	810	6	400
	1030	258	12	900	750	156	130	360	9860	38500				90694/600				700
	1030	258	12	985	780	93	127	345	10100	43000		280	294/600	90394/600	800	885	10	895
630																		
	850	132	6	800	728	86	65	338	3450	19800		300		90692/630	740	780	5	188
	850	132	6	810	723	50	62	338	4770	24200		400	292/630	90392/630	740	780	5	210
	950	190	9.5	880	761	68	92	359	8450	40300		320	293/630	90393/630	795	860	8	485
	1090	280	12	1040	830	100	136	365	11600	51500		260	294/630	90394/630	845	935	10	1100
	1090	280	12	995	815	179	137	365					294/630EM					989

Thrust Spherical Roller Bearing



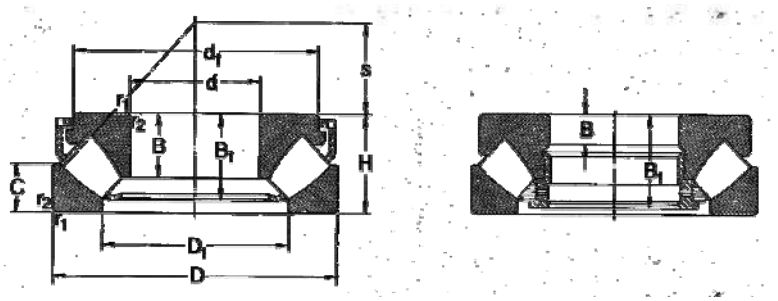


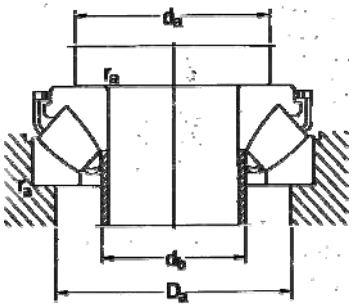


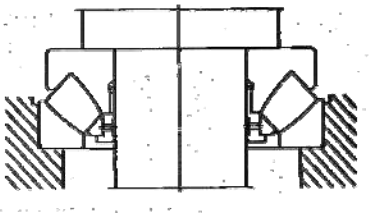
基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings 脂润滑 油润滑		轴承代号 Bearing Numbers 新代号	旧代号	相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass 参考
d	D	H	r1.2	d1	D1	B	C	S	Ca	Coa	Grease	Oil	New	Old	da min	Da max	ra max	Refer.
670	900	140	6	830	750	86	70	365	3670	20280				90692/670				218
	900	140	6	880	773	45	73	361	4200	25500		380	292/670	90392/670	790	825	5	255
670	1000	200	9.5	935	804	73	98	379	7360	39600		300	293/670	90393/670	840	900	8	545
	1150	290	15	1090	870	105	140	385	12500	56000		240	294/670	90394/670	895	990	12	1250
710	950	145	6	895	805	92	75	380	3600	12000		240		90692/710	820	880	5	279
	950	145	6	900	815	46	71	380	5230	27500		360	292/710	90392/710	830	875	5	290
	1060	212	9.5	985	855	74	103	404	9950	45500		280	293/710	90393/710	890	960	8	660
	1220	308	15	1160	920	132	148	407	14300	65500		220	294/710	90394/710	950	1050	12	1500
750	1000	150	6	950	858	52	74	409	5870	33700			292/750	90392/750	880	925	5	325
	1120	224	9.5	1086	910	76	109	415	9370	51000			293/750	90393/750	935	1000	8	770
	1280	315	15	1152	972	160	158	448	14340	58600				90694/750	1015	1120	12	1340
	1280	315	15	1220	970	128	152	429	15100	69000			294/750	90394/750	995	1105	12	1680
800	1060	155	7.5	985	890	80	80	475	5635	28870				90692/800				323
	1060	155	7.5	1010	907.5	50	80	426	6350	33700			292/800	90392/800	935	980	6	343
	1180	230	9.5	1146	965	78	111	440	9950	56100			293/800	90393/800	995	1060	8	865
	1360	335	15	1300	1030	121	162	445	16600	77500			294/800	90394/800	1060	1175	12	2010
	1360	335	15	1160	1034	185	165	462	20200	93000			294/800A					1658
850	1120	160	7.5	1060	967	47	82	455	6730	37400			292/850	90392/850	980	1030	6	425
	1250	243	12		1024				11100	61600			293/850	90393/850				1000
	1440	354	15	1250	1034	142	172	507	18700	99000			294/850	90394/850	1160	1270	12	2350
900	1180	170	7.5		1023				6330	40900			292/900	90392/900				
	1520	372	15	1450	1164	135	185	520	22200	121000			294/900	90394/900	1190	1315	12	2760
950	1250	180	7.5	1185	1081	58	88	507	8280	46600			292/950	90392/950	1095	1155	6	600
	1600	390	15	1470	1209	153	191	546	28200	13200			294/950	90394/950	1275	1400	12	3065
1000	1320	190	9.5		1139				7990	52800			292/1000	90392/1000				710
	1460	276	12	1365	1192	100	137	561	14400	82500			293/1000	90393/1000	1245	1330	10	1550

Thrust Spherical Roller Bearing

WSW







基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings		极限转速(rpm) Speed Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass
											脂润滑	油润滑	新代号	旧代号				参考
d	D	H	r1.2	d1	D1	B	C	S	Ca	Coa	Grease	Oil	New	Old	da min	Da max	ra max	Refer.
1060	1400	206	9.5	1300	1180	128	103	566	7800	48000				90692/1060				824
	1400	206	9.5	1335	1208	66	100	566	10500	59400			292/1060	90392/1060	1225	1290	8	767
1180	1520	206	9.5	1450	1331	83	101	625	10900	64000			292/1180	90392/1180	1345	1410	8	950
1250	1800	330	12	1685	1474	147	161	698	24800	129000			293/1250	9039/1250	1540	1640	10	2770
1600	2280	408	19	2130	1885	166	195	894	36800	200000			293/1600	9039/1600	1955	2090	15	5375

Thrust Taper Roller Bearing

Product Characteristics

The tapered rollers (with lager spherical end) of these bearings are guided precisely by the integral flanges of the washers (shaft washer and housing washer) with raceways.

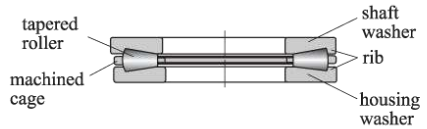
When extended, the design makes the tapered raceway surfaces of the shaft washer and housing washer and the sliding surface of the rollers converge towards to the same single point of the bearing axle line.

Single direction bearings can carry axial load in one direction.

Double direction bearings can carry axial load in two direction.

The middle washer of double direction bearings is connected with the shaft, but due to the clearance inside, a sleeve must be used to fix the middle washer in the axial direction.

The thrust tapered roller bearings with housing can avoid dirt entering and roller falling. As without cage, more rollers can be putted in, therefore the bearings can carry bigger axial load, but due to lower limit rotation speed, they can only carry axial load in one direction.



Applications of tapered roller thrust bearings

Single direction bearings: shaft washer is same as housing washer (all with ribs), suitable for radial direction fixing, are mainly found in crane hooks and rotating platforms of oil drillings etc,.

Full rollers bearings are used when axial load is bigger.

During rotation, little shaft eccentric can be allowed for the bearings with plane housing washer raceway.

Double direction bearings: in the mill roll necks.

Types of bearing

- Single-direction thrust tapered roller bearings
- Double-direction thrust tapered roller bearings
- Thrust tapered roller bearings with housing

Dimension scope

Bore diameter scope: 50mm-670mm
Outer diameter scope: 85mm-900mm
Width scope: 22mm-230mm

Tolerance

The tolerance of **WSW** thrust tapered roller bearings are standardized in GB307.4. The clearance dimensions can be found in preface form. **WSW** can supply bearings with P0, P6 and P5 classes.

Cage

WSW tapered roller thrust bearings generally use brass cages and other machined cages. When they use brass cages, there is no suffix in the bearing code; when they use other cages, there is relative suffix in the bearing code.

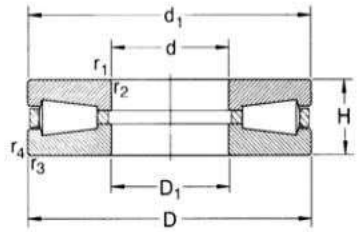
Axial equivalent dynamic load rating

Pa=Fa

Axial equivalent static load rating

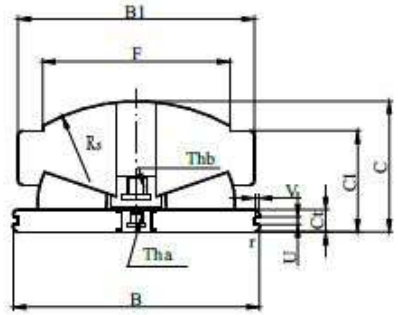
Poa=Fa

Thrust Taper Roller Bearing

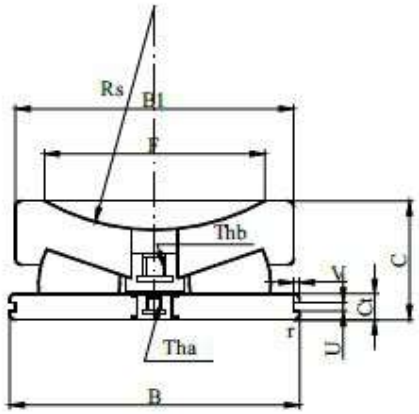


基本尺寸(mm) Boundary Dimensions							基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		质量(kg) Mass
									新代号	旧代号	参考
d	D	H	d_1	D_1	$r_{1.2min}$	$r_{3.4min}$	Ca	Coa	New	Old	Refer.
170	340	103	174	335	5	5	1520	2630	99434	9019434	58
260	480	132	265	475	6	6	2540	11300	99452	9019452	111
280	520	145	285	515	6	6	2930	13300	99456	9019456	143.8
320	580	155	325	575	7.5	7.5	3700	17500	99464	9019464	194
380	670	175	385	665	7.5	7.5	5040	10400	99476	9019476	254

BEARING SCREWDOWN

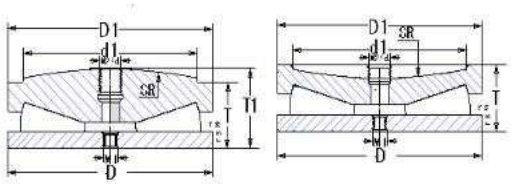


外形尺寸				基本载荷KN	轴承代号	参考国外轴承代号		其它尺寸 mm							参考重量
B	B_1	F	C	Coa		NSK	FAG	t	r_{min}	U	V	Tha	Thb	C_1	Rs	kg
149.225	146.860	127.000	54.97	2520	TTSX150/X1	149TFX01	536626	12.70	1.6	4.8	1.2	M12	—	47.62	452.7	6.65
174.625	172.260	152.400	61.39	3650	TTSX175/X1	174TFX01	537778	12.70	1.6	4.8	1.2	M12	M18	52.37	457.2	10.1
203.200	200.840	177.800	75.62	4850	TTSX205/X1	203TFX01		15.88	1.6	6.3	1.2	M12	M18	65.07	508.0	16.8
220.000	220.000	195.000	78.00	6100	TTSX220/X1	220TFX01		15.88	1.5	6.3	1.2	M12	—	66.00	550.0	20.3
266.700	264.340	228.600	94.41	8350	TTSX265/X1	266TFX01		19.05	1.6	7.9	2	M20	—	81.00	609.6	36.2
320.675	318.310	279.400	110.97	12600	TTSX320/X1	320TFX01		22.22	1.5	10.3	2.4	M24	—	95.25	762.0	61.5
377.825	375.460	330.200	129.01	17700	TTSX380/X1	377TFX01		25.40	1.5	10.3	2.4	M24	M30	111.12	914.4	98.7
404.400	407.210	355.600	142.23	20500	TTSX405/X1	407TFX01		28.57	3.3	—	—	M24	M30	122.22	1016.0	127
409.575	407.210	355.600	142.23	20500	TTSX410/X1	409TFX01		28.57	3.3	9.5	2.5	M24	M30	122.22	1016.0	128
438.150	435.790	381.000	150.67	22200	TTSX440/X1	438TFX01		31.75	3.2	13.5	3.2	M24	M36	130.18	1016.0	155
495.300	492.940	431.800	170.61	31500	TTSX495/X1	495TFX01		34.92	3.3	13.5	3.2	M24	M30	146.05	1066.8	225
523.875	521.520	457.200	176.66	34500	TTSX525/X1	523TFX01		34.92	3.3	13.5	3.2	M24	M36	153.29	1270.0	261
533.400	531.010	457.000	177.80	34500	TTSX535/X1	533TFX01		31.75	1.6	9.5	9.5	M24	M36	161.92	1981.2	273
555.625	553.260	482.600	191.15	38000	TTSX555/X1	555TFX01	524340	38.10	3.3	12.7	3.2	M24	—	165.10	1270.0	318
581.025	578.660	508.000	193.78	41500	TTSX580/X1	581TFX01		38.10	3.3	13.5	3.2	M24	M42	168.28	1422.4	353
	578.660	508.000	196.65	41500	TTSX580/X2	581TFX02		38.10	3.3	13.5	3.2	8UNC	7UNC	168.28	1308.1	358
609.600	607.240	533.400	204.01	47000	TTSX610/X1	609TFX01		38.10	3.3	13.5	3.2	M30	M42	177.80	1524.0	409
641.350	638.990	558.800	212.67	51500	TTSX640/X1	641TFX01	526198	38.10	3.3	13.5	3.2	M24	M42	184.15	1524.0	472
692.150	689.750	495.300	311.45	59500	TTSX695/X1	692TFX01		38.10	3.0	13.5	3.2	M24	M42	280.00	1803.4	805
710.000	710.000	480.000	260.00	54500	TTSX710/X1	710TFX01		40.00	4.0	—	—	M24	M24	235.00	1400.0	706
800.000	800.000	700.000	250.00	71500	TTSX800/X1	800TFX01		43.00	7.0	—	—	M36	M48	206.00	1524.0	857
847.600	841.000	650.000	250.00	79000	TTSX850/X1	847TFX01		43.00	5.0	—	—	M42	M42	212.00	1652.0	966
900.000	930.000	750.000	275.00	93000	TTSX900/X1	930TFX01		60.00	4.0	—	—	M36	M48	231.00	1800.0	1270



外形尺寸 mm				基本载荷KN	轴承代号	参考国外轴承代号		其它尺寸 mm							参考重量
B	B_1	F	C	Coa		NSK	FAG	t	r_{min}	U	V	Tha	Thb	Rs	Kg
149.225	146.860	127.000	47.62	2520	TTSV150/X1	149TFV01		12.70	1.6	4.8	1.2	M12	—	228.60	5.64
174.625	172.260	152.400	52.37	3650	TTSV175/X1			12.70	1.6	4.8	1.2	M12	M18	228.60	10.3
203.200	200.800	177.800	65.07	4850	TTSV205/X1	203TFV01	536716	15.88	1.6	6.3	1.2	M12	M18	254.00	14.3
266.700	264.340	228.600	81.00	8400	TTSV265/X1	266TFV01	524088	19.05	1.6	7.9	2.0	M20	—	304.80	30.8
	264.340	228.600	86.37	8350	TTSV265/X2	266TFV02		19.05	1.6	7.9	2.0	M20	—	250.00	35.5
320.675	318.310	279.400	95.25	12600	TTSV320/X1	320TFV01		22.22	1.5	10.3	2.4	M24	—	381.00	52.3
377.825	375.460	330.200	111.12	17700	TTSV375/X1	377TFV01	524578	25.40	1.5	10.3	2.4	M24	M30	457.20	84.7
409.575	407.210	355.600	122.22	20500	TTSV410/X1	409TFV01	559632	28.58	3.2	10.3	2.4	M24	M30	508.00	109
438.150	435.790	381.000	130.18	22200	TTSV440/X1	438TFV01		31.75	3.2	13.5	3.2	M24	M36	508.00	133
495.300	492.940	431.800	146.05	31500	TTSV495/X1	495TFV01		34.92	3.3	13.5	3.2	M24	M36	558.80	191
508.000	501.650	341.300	165.10	31000	TTSV510/X1	508TFV01		34.92	3.2	12.7	3.2	M24	M36	508.00	228
523.875	521.510	457.200	152.40	34500	TTSV525/X1	523TFV01	524105	34.92	3.2	13.5	3.2	M24	M36	635.00	223
551.600	539.750	435.500	158.75	35000	TTSV550/X1	551TFV01		24.65	4.0	10.6	2.5	M24	M24	635.00	258
554.000	555.000	414.000	190.50	38000	TTSV550/X2	554TFV01		50.00	3.0	9.5	6.0	M24	—	1270.00	312
	555.000	465.400	190.50	38000	TTSV550/X3	554TFV01A		50.00	3.0	—	—	M24	M42	1270.00	312
555.625	553.260	482.600	165.10	38000	TTSV555/X1	555TFV01	527795	38.10	3.2	13.5	3.2	M24	M36	635.00	272
581.025	578.660	508.000	168.28	41500	TTSV580/X1	581TFV01		38.10	3.2	13.5	3.2	M24	M42	711.20	303
609.600	607.240	533.400	177.80	47000	TTSV610/X1	609TFV01		38.10	3.3	13.5	3.2	M30	M42	762.00	353
641.350	638.990	558.800	184.15	51500	TTSV640/X1	641TFV01		38.10	3.2	13.5	3.2	M24	M42	762.00	405
880.000	930.000	627.000	234.95	93000	TTSV880/X1	930TFV01		50.00	4.0	—	—	M42	M42	1524.00	1090

Full Complement Taper Roller Bearing for Screw Down Mechanism of Rolling Mill

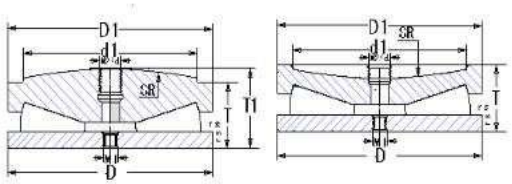


TTSX000型(439000型)　　TTSV000型(429000型)

基本尺寸(mm) Boundary Dimensions										基本额定载荷(kN) Basie Load Ratings	轴承代号 Bearing Numbers		质量(kg) Mass
D	D_1	d_1	T	T_1	SR TTSV型	SR TTSX型	r_{smin}	M_1	M_2(d)	Coa	TTSV型	TTSX型	参考 Refer.
150	148	127	48		228.6		1.5	M12	20	2320	TTSV150		5.47
	148	127	48	55		457.2	1.5	M12	20	2320		TTSX150	6.3
175	173	152	53		228.6		1.5	M12	20	3200	TTSV175		7.92
	173	152	53	62		457.2	1.5	M12	20	3200		TTSX175	9.6
205	203	178	65		254		1.5	M20	26	4550	TTSV205		14.3
	203	178	65	76		508	1.5	M20	26	4550		TTSX205	16.2
265	263	229	81		304.8		1.5	M20	26	7700	TTSV265		33.6
	263	229	81	95		609	1.5	M20	26	7700		TTSX265	35.5
320	318	280	95		380		1.5	M24	M30	11460	TTSV320		42.5
	318	280	95	112		762	1.5	M24	M30	11460		TTSX320	58.9
380	378	330	112		457.2		1.5	M24	M30	17100	TTSV380		96
	378	330	112	129		914.4	1.5	M24	M30	17100		TTSX380	116
410	408	355	122		508		3	M24	M30	20000	TTSV410		125
	408	355	122	142		1016	3	M24	M30	20000		TTSX410	155
440	438	380	130		508		3	M24	M36	23000	TTSV440		170
	438	380	130	152		1016	3	M24	M36	23000		TTSX440	191
495	492	432	146		558.8		3	M24	M36	30000	TTSV495		205
	492	432	146	172		1066.8	3	M24	M36	30000		TTSX495	229
508	504.825	440		177.419		1143	2.5	M24	M36	31000		TTSX508	225
525	522	460	155		635		3	M24	M36	35800	TTSV525		203
	522	460	155	180		1270	3	M24	M36	35800		TTSX525	248
554	555	414	190.5		1270		3	M24	M42	37500	TTSV554		312
	555	465.4	190.5		1270		3	M24	M42	37500	TTSV554A		312
555	552	482	165		635		3	M24	M36	37500	TTSV555		300
	552	482	165	192		1270	3	M24	M36	37500		TTSX555	345
580	577	510	165		710		3	M24	M42	38500	TTSV580		240

Full Complement Taper Roller Bearing for Screw Down Mechanism of Rolling Mill

WSW



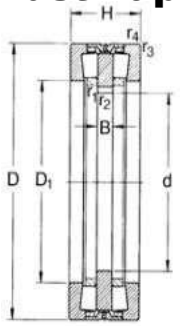
TTSX000型(439000型)　　TTSV000型(429000型)

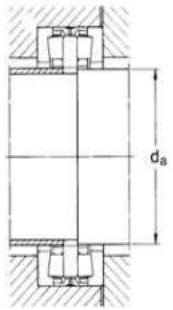
基本尺寸(mm) Boundary Dimensions									基本额定载荷(kN) Basie Load Ratings	轴承代号 Bearing Numbers		质量(kg) Mass
D	D_1	d_1	T	T_1	SR TTSV型	SR TTSX型	r_{smin}	M_1	M_2(d)	Coa	TTSV型	TTSX型	参考 Refer.
	577	510	165	195		1422.4	3	M24	M42	38500		TTSX580	305
610	607	533	178		762		3	M30	M42	44500	TTSV610		400
	607	533	178	205		1524	3	M30	M42	44500		TTSX610	443
640	637	550	185		762		3	M30	M42	47500	TTSV640		410
	637	550	185	214.8		1524	3	M30	M43	47500		TTSX640	440
710	705	610	235	250		1600	4	M30	M42	62500		TTSX710	697
750	745	650	240	260		1600	4	M30	M48	63400		TTSX750	740
800	800	700	206	250		1524	7	M36	M48	71500		TTSX800	857
900	930	750	231	275		1800	4	M36	M48	93000		TTSX900	1270
920	920	830		280		2300	7.5	M36	M48	93000		TTSX920	1180

Thrust Taper Roller Bearing

Double-direction Thrust Taper Roller Bearing

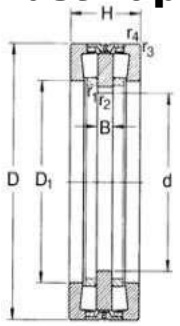
WSW

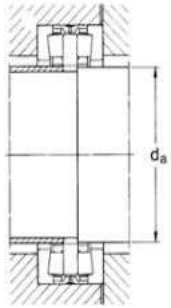




基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass	相当于国外型号				
d	D	H	r 1.2	r 3.4	Ca	Coa	新代号 New	旧代号 Old	B	D1	da	参考 Refer.	SKF	FAG	NSK	NTN	KOYO
120	250	95	1	3	640		512250Y		20	145	144	21.9			120TFD2501		
130	280	125	1	3	1020		513280Y		30	163	150	36.8			130TFD2801		
160	225	78	1	2	325		516225Y		18	175	169	9.3			160TFD2201		
	300	110	1	2	825	3000	515805	829232	34	190	186	3.5		515805			
170	240	84	1	2	320	1200	528974	829234	20	184	182	12.5	350980C	528974	170TFD2401	CRTD3401	2THR342408A
180	280	90	1	2	560	2340	528294	829736	20	196	192	22.0	353162	528294	180TFD2801	CRTD3618	
	400	200	2	4	1970		518400Y		50	212	208	122			180TFD4001		
190	330	120	1	2	1110		519330Y		26	215	206	41.9			190TFD3301		
200	280	96	1	2	495		520280Y		22	216	210	17.7			200TFD2801		
	300	96	1	2	570	2230	563400		22	236	231	23.0		563400			
	560	138	3	4	1600	6700	520560Y		40	430	413	105				CRTD4013	
220	300	96	1	2	570	2240	528876	829244	22	236	231	20.0	351019C	528876	220TFD3001		
	340	130	1	2	860	3700	522340Y		39	250	242	40.5				CRTD4401	
	372	195	2	2			522372Y	829744				88.3					
230	410	150	2	4	1450	5650	523410Y		34	270	264	82.8			230TFD4101		
	400	180	2	4	1500	5800	530852	829746	42	260		110	351182C	530852			
240	320	96	1	2	565	1980	529086	829748	22	256	251	22.5		529086	240TFD3201	CRTD4802	
	380	105	2	2	980	5200	545678		27	270		42.0		545678		CRTD4803	
	470	180	3	6			532584		45	290	240	140		532584			
250	360	96	1	2	680	2820	547482		24	285	250	30.0		547482		CRTD5007	
	380	100	1	2	1010	4750	522010	829950	22	275	265	43.5	353005	522010	250TFD3801	CRTD5005	2THR503810
260	360	92	1	2	620	2750	509352	829252	20	285	276	26.3	350981C	509352	260TFD3601	CRTD5216	2THR52369
	360	92	1	2	620	2750	526360Y		20	285	276	25.6			260TFD3602		
	400	120	2	3	920	3930	526400Y		25	290	276	51.5				CRTD5317	2THR524012
270	450	180	2	5	1610	6000	527450Y	829954	45	310	300	120	351164C				

Double-direction Thrust Taper Roller Bearing

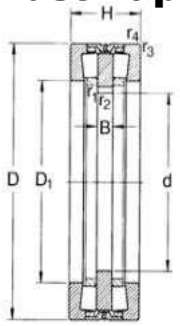


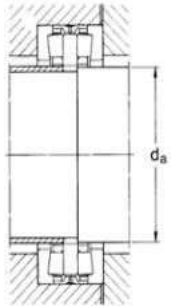


基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass	相当于国外型号				
			r 1.2	r 3.4			新代号	旧代号				参考					
d	D	H			Ca	Coa	New	Old	B	D1	da	Refer.	SKF	FAG	NSK	NTN	KOYO
270	450	180	3	6	1820	7500	527907		44	316	270	115		527907			
300	420	100	2	2	935	2820	524740	829260	23	330	320	41.4		524740	300TFD4201	CRTD6001	
305	530	200	2	5	2160	8200	544025		56	345	305	200		544025		CRTD6104	
310	490	130	3	3	1310	4870	524902		29	350	310	92.4		524902			
320	440	108	1	3	985	4840	528562	829264	20	355	349	46.7	353102	528562	320TFD4401	CRTD6405	2THR644411
	470	130	1	3	1210	5940	509654	829764	30	350	340	80.0	350982C	509654	320TFD4701	CRTD6404	2THR644713
	500	218	2	5	2200	8280	540295		60	350	320	175		540295			
	600	240	2	4	3780	9890	522837		50	380	320	335		522837			
350	490	130	1	3	1350	5390	530739	829970	30	390	380	73.5	351100C	530739	350TFD4901	CRTD7012	2THR704913A
	490	145	2	3	1350	6700	579703		45	390	350	81.0		579703			
	540	135	1	4	1790	9680	522008	829970K	30	400	384	115	353006	522008	350TFD5401		
360	530	145	2	4	1310	5800	573320		45	410		101		573320			
	560	200	2	5	1700	7200	524194	829272	48	396	360	180		524194			
380	530	130	2	4	1660	8500	513828	829276	30	410	380	95.0		513828		CRTD7612	2THR765613
	560	130	2	3	1680	10500	513125	829776	32	430	416	102	351175C	513125	380TFD5601		
	560	138	2	3			548285		40	430	380	110		548285			
	560	145	2	3	1720	9200	567356		47	430	416	130		567356			
	650	215	2	4	3030	17200	545936	829976	65	450	446	205	BFDB353204	545936			
400	650	200	2	5	2700	13700	540162	829780	50	450	400	250		540162			
410	560	160	2	5	2780	10200	524134		40	440	410	112		524134		CRTD8201	
420	620	170	2	3	2180	11000	542620Y	829784	35	465	455	185	351121C		420TFD6201	CRTD8403	2THR846217
	620	170	2	3	2180	11200	509392		35	470	455	185		509392			
	620	185	2	3	2060	11900	542621Y	829784K	50	465	455	200	BFDB353200/HA3				
	620	185	2	3	2200	12000	545991		50	470	455	202		545991			

Double-direction Thrust Taper Roller Bearing

WSW





基本尺寸(mm) Boundary Dimensions					基本额定载荷(kN) Basie Load Ratings		轴承代号 Bearing Numbers		相关安装尺寸(mm) Abutment and Fillet Dimensions			质量(kg) Mass	相当于国外型号				
			r 1.2	r 3.4			新代号	旧代号				参考					
d	D	H			Ca	Coa	New	Old	B	D1	da	Refer.	SKF	FAG	NSK	NTN	KOYO
420	620	200	3	3	2200	12000	579704		65	470	420	217		579704			
440	645	167	3	4	2010	11200	534038	829788	50	490	480	190	353152	534038		CRTD8801	
	660	155	3	5	2430	12000	523720		35	505	485	180		523720	440TFD6601		
450	645	155	4	4	2280	11200	545645Y	829990	38	490	480	170	350916D		450TFD6401		
	645	155	3	5	2350	12200	513401		38	500	480	157		513401			
460	680	155	2	4	2450		546680Y		30	510	496	186			460TFD6801		
470	720	200	2	4	3140	17600	509391		40	535	518	285		509391	470TFD7201	CRTD9408	2THR947220
	720	200	2	4	3140	17600	547720Y	829994	50	535	515	305	353151				
	720	210	2	4	3410	18700	549701		60	535	515	325		549701			
480	710	218	3	5	2700	13000	547584		57	575	480	280		547584			
530	710	218	2	3	2500	11400	511746		57	575	560	245	351475C	511746	530TFD7101	CRTD11002	
550	760	230	2	5	2700	14100	515196		50	610	585	310	350976C	515196	550TFD7601		2THR550
	760	230	5	2	3200		550760Y		50	590	583	310			550TFD7602		
600	910	290	5	6	5200	22400	560910Y		70	680	670	655	350901C		600TFD9101		
	880	290	5	6	5200	22400	560880Y		70	680	670	550	BFDB350824B/HA1				
670	900	230	2	5	3700	19800	521823		50	725	705	425	351761A	521823	670TFD9001		
900	1180	220	2	6	4450	29000	590118Y		48	990	960	605	353002		900TFD1101		

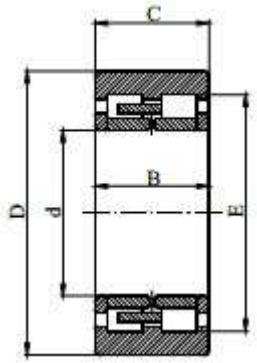
Joint Bearing

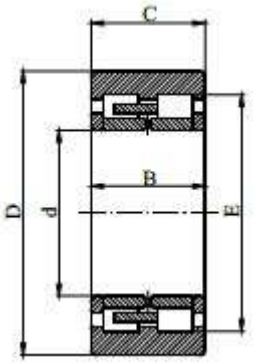
Joint Bearing

外 形 尺 寸 mm							轴承代号	内径mm	基本载荷KN		参考重量
d	D	B	C	a	r_{1min}	r_{2min}		d	Cr	Cor	kg
100	150	71	67	2	1.0	1.0	GE100ES	100	630	920	4.51
110	160	78	74	2	1.0	1.0	GE110ES	110	720	1100	5.32
120	180	85	80	2	1.0	1.0	GE120ES	120	895	1290	7.93
140	210	100	95	2	1.0	1.0	GE140ES	140	1260	1840	12.9
160	230	115	109	2	1.0	1.0	GE160ES	160	1680	2450	16.4
180	260	128	122	2	1.1	1.1	GE180ES	180	2180	3150	24.2
200	290	140	134	2	1.1	1.1	GE200ES	200	2575	3750	33.2
220	320	155	148	2	1.1	1.1	GE220ES	220	3200	4650	45.3
240	340	170	162	2	1.1	1.1	GE240ES	240	3750	5500	53.2
260	370	185	175	2	1.1	1.1	GE260ES	260	4450	6500	68.8
280	400	200	190	2	1.1	1.1	GE280ES	280	5250	7650	88.6
300	430	212	200	2	1.1	1.1	GE300ES	300	5900	8500	108
320	460	230	218	2	1.1	3.0	GE320ES	320	6750	9850	133
340	480	243	230	2	1.1	3.0	GE340ES	340	7450	11000	148
360	520	258	243	2	1.1	4.0	GE360ES	360	8550	12500	198
380	540	272	258	2	1.5	4.0	GE380ES	380	9600	14000	217
400	580	280	265	2	1.5	4.0	GE400ES	400	10000	15000	272
420	600	300	280	2	1.5	4.0	GE420ES	420	11000	16300	297
440	630	315	300	2	1.5	4.0	GE440ES	440	12800	18900	356
460	650	325	308	2	1.5	4.0	GE460ES	460	13600	19900	376
480	680	340	320	2	2.0	5.0	GE480ES	480	15000	21600	430
500	710	355	335	2	2.0	5.0	GE500ES	500	16100	24600	495
530	750	375	355	2	2.0	5.0	GE530ES	530	17900	26000	579
560	800	400	380	2	2.0	5.0	GE560ES	560	20600	29500	722
600	850	425	400	2	2.0	6.0	GE600ES	600	23100	34500	851
630	900	450	425	2	3.0	6.0	GE630ES	630	25800	38000	1029
670	950	475	450	2	3.0	6.0	GE670ES	670	28900	42500	1197

Back-up Rollers

Back-up Rollers





外形尺寸mm					轴承代号	内径mm	基本载荷KN		参考国外轴承代号		参考重量
d	D	B	C	E		d	Cr	Cor	SKF	FAG	kg
70	200	46	45	136	MCBB0017	70	222	265			9.01
80	180	100	100	132	MCBB0016	80	547	903			14.6
	260	72	70	162	MCBB0018		435	640			24.9
90	180	100	98	138.5	MCBB0019	90	469	862			13.2
	220	120	118	159	MCBB0020		684	1236			28.2
100	225	120	119	163.5	MCBB0001	100	671	1100	BNTB322869B/HB1		28.1
	225	120	120	167.7	MCBB0002		784	1300	BNTB322246/HB1		26.5
110	260	98	98	190	MCBB0003	110	842	1290	BC2B322564		31.5
	260	125	125	190	MCBB0004		1020	1660	BC2B319531		40.2
120	280	160	158	201.5	MCBB0014	120	1060	3750			55.9
130	300.020	160.000	159.500	218.4	MCBB0005	130	1610	3000	319028	528930	65.5
	300.020	172.640	172.640	218.4	MCBB0006		1570	3000	314833BA	562739	72.5
	300.020	172.650	171.600	219.3	MCBB0007		1380	2240	BC2B320432C	549722	69.5
	320	145	130	226	MCBB0011		1230	2230			63.3
180	406.400	224.000	224.000	227.4	MCBB0008	180	2090	4400	BNTB322891/HB2		175
	406.420	171.000	171.000	293.4	MCBB0009		2100	3750	BC3B326277/HB1		130
	406.420	224.000	224.000	293.4	MCBB0010		2600	5100	315515B	523247C	170
	410.000	92.500	77.500	294	MCBB0013		1182	1868			56.5
	410	235	220	294	MCBB0012		2744	5515			167
205	520	168	168	356.085	MCBB0015	205	2352	3505			226

Thanks in advance.

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