



Ball Bearings Roller Bearings Housings Accessories

Technical Section

Bearings Specifications Table



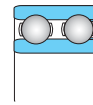
Open Type Single Row
Deep Groove Ball Bearing
68, 69, 160, 60, 62, 63, 64



Sealed / Shielded Single Row
Deep Groove Ball Bearing
Z, RS



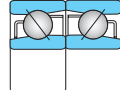
Single Row Locating Snap Ring
Deep Groove Ball Bearing
N, NR



Double Row
Deep Groove Ball Bearing
42, 43



Single Row
Angular Contact Ball Bearing
79, 70, 72, 73, 74



Matched Pair Single Row
Angular Contact Ball Bearing



Double Row
Angular Contact Ball Bearing
32, 33, 52, 53
52.....2RS, 53.....2RS



Four Point Contact
Angular Contact Ball Bearing



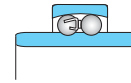
Cylindrical Bore
Self Aligning Ball Bearing
12, 22
13, 23



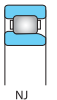
Sealed
Self Aligning Ball Bearing
22.....2RS
23.....2RS



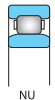
Tapered Bore / Adaptor Ass.
Self Aligning Ball Bearing
K, H



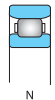
Extended inner Ring
Self Aligning Ball Bearing
112, 113



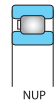
NU



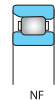
NU



N



NUP



NF

Single Row
Cylindrical Roller Bearings
NU10, NU2, NU22, NU32
NU3, NU23, NU33, NU4



Double Row
Cylindrical Roller Bearings
NN30



Double Row
Cylindrical Roller Bearings
NNU49



K Type
Tapered Bore
NN...K
NNU...K



Metric Series
Inch Series
Tapered Roller Bearings
329, 320, 30, 331, 302, 322
332, 303, 303D, 313, 323



Flanged Type
Tapered Roller Bearing



CC



MB



K30

Spherical Roller Bearings
239, 230, 240, 231, 241,
222, 232, 213, 223



Tapered Bore
Spherical Roller Bearings
.....K



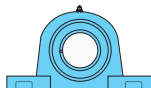
Single Direction
Thrust Ball Bearing
511, 512, 513, 514
—, 532, 533, 534



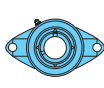
Double Direction
Thrust Ball Bearing
522, 523, 524
542, 543, 544



Spherical Roller
Thrust Bearing
292, 293, 294



UCP



UCFL



UCF



UCFC

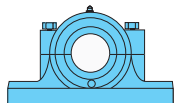


UCC



UCT

Cast Iron
Ball Bearing Units
201 - 209, 310-328



Split type
Plummer block Units

Deep Groove Ball
Bearings

Angular Contact Ball
Bearings

Self Aligning Ball
Bearings

Cylindrical Roller
Bearings

Tapered Roller
Bearings

Spherical Roller
Bearings

Thrust Ball & Roller
Bearings

Ball Bearing Units

Plummer Blocks

Accessories



DPI is a registered trademark
DPI bearings are manufactured and distributed exclusively by
GULF WORLDWIDE DISTRIBUTION FZE

Catalogue: DP Ver 15102005-1
2007 Edition

This page is intentionally left blank

Head Office:
MO 0253 Jebel Ali Free Trade Zone,
PO Box 261619
United Arab Emirates
Tel: +97148814100/8814774
Fax: +97148814343
sales@dpibearings.com
www.dpibearings.com

DPI®

This page is intentionally left blank

DPI through our short history have achieved several milestones. We started our manufacturing activities in 1983 and today we are a fast growing regional bearing manufacturer. With more than 20 years of successful growth behind us we started international sales of DPI in the year 1999. Within a short span of only 6 years we now have satisfied customers in over 39 countries we are now embarking on a journey to provide value and expertise to a growing network of satisfied customers.

This catalogue has been compiled with the specific purpose of providing you with a ready reference for all your bearing applications. DPI has a range of more than 2000 bearings types. Most of your applications can be solved. The products in this catalogue are produced in series and as per ISO dimensions.

DPI received ISO certification at its manufacturing facilities starting in the year 1995. Since then our focus on quality led to great progress in our local market and furthermore as we expanded to overseas markets we have received excellent response.

This represents our manufacturing capabilities combined with our stocking programmes. For more information on sales, technical and availability kindly refer to our office address provided on page 5 of this catalogue or at the back of this catalogue.

Your advantages when you engage in a relation with us are

- Reliability
- Fair market prices
- Availability
- Planning
- Quality

We thank you for your interest in DPI and we hope that you find this catalogue useful in understanding our products, philosophy, services and our commitment. We look forward to establishing a strong relation with you.

Every care has been taken to ensure the correctness of this information contained in this book but no liability can be accepted for any errors or omissions.

This book or parts thereof may not be reproduced without our permission.

This page is intentionally left blank

Contents

Technical Section Page no. 10-17

Deep Groove Ball Bearings Page no. 19-37

Angular Contact Ball Bearings Page no. 39-49

Self Aligning Ball Bearings Page no. 50-55

Cylindrical Roller Bearings Page no. 57-71

Tapered Roller Bearings Page no. 73-85

Spherical Roller Bearings Page no. 86-97

Thrust Ball & Roller Bearings Page no. 98-113

Ball Bearing Units Page no. 115-131

Plummer Blocks Page no. 132-144

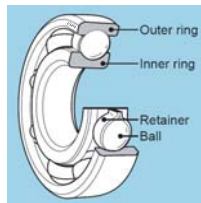
Accessories Page no. 145-151

General Construction of Bearings

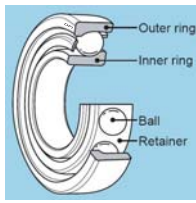
Most bearings consist of rings (inner and outer ring) with raceways, Rolling elements (balls or rollers) and a rolling element retainer (cage). The retainer separates the rolling elements within specific distance, holds them in place and allows them to rotate freely within the raceways of the bearings. The adjoining figures show the relative positioning of the rings, rolling elements and the retainers for the various types of bearings.

Characteristics of Bearings

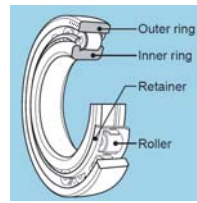
Most bearings have very low friction coefficients. In general all bearings can carry radial and axial loads in varying capacities based on their type and construction. Ball bearings in general are used in applications that have high speed, high precision, low torque and lower vibration since they have lower frictional coefficients and lower face runout during rotation. Comparatively roller bearings are used in applications that have lower speeds, high loads and are subjected to torque and vibration forces.



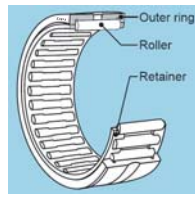
Ball Bearing



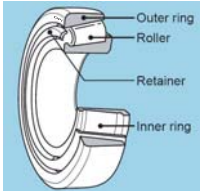
Angular Contact Ball Bearing



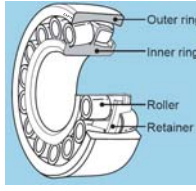
Cylindrical Roller Bearing



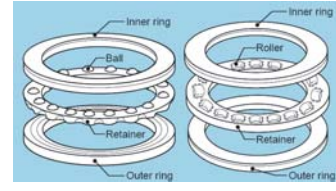
Needle Roller Bearing



Tapered Roller Bearing



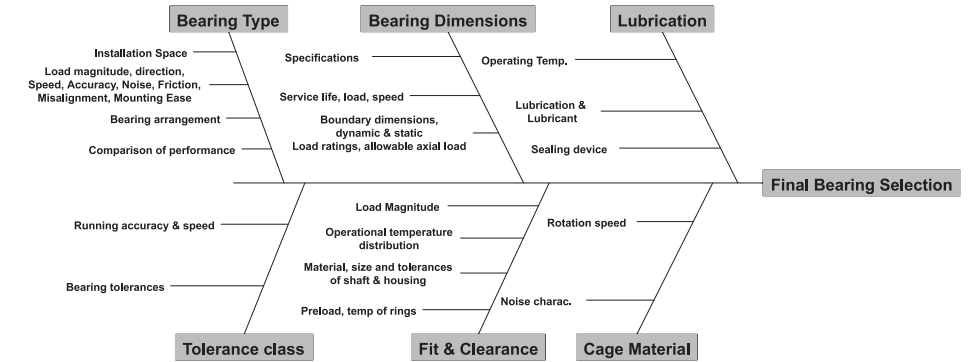
Spherical Roller Bearing



Thrust Ball & Roller Bearing




















Bearing Selection

Bearing design has become increasingly complex and diverse. A large part of the performance relies on the correct selection of the bearing. To select the most suitable bearing it is necessary to conduct a comprehensive study on bearings and the machine in which the bearing will be installed, including operating conditions, performance, specifications of other parts to be installed along with the bearings and other criteria. Below is a quick guide which can be used for selection of the bearing.



Selection of Bearing Arrangement

Bearings are further installed based on the arrangement of the bearing on the shaft and on the properties and operation of the shaft. Depending on availability of fixed and free side of the shaft different bearings can be used for the shaft.

		Deep Groove Ball Bearing	Angular Contact Ball Bearing			4 point contact Ball bearing	Self Aligning ball bearing	Cylindrical Roller Bearing				Needle Roller Bearing	Tapered Roller		Spherical Roller Bearing	Thrust Ball Bearing		Cylindrical Roller Thrust Brg	Tapered Roller Thrust Bearing	Spherical Thrust Roller Bearing
																				
Load Resistance	Radial Load	○	○	☆	☆	○	○	☆	☆	☆	☆	☆	☆	☆	☆	×	×	×	×	△
	Axial Load	○	☆	☆	☆	☆	△	×	△	△	×	×	☆	☆	△	○	○	☆	☆	☆
	Combined Load Radial & Axial	○	○	☆	☆	○	△	×	△	△	×	×	☆	☆	△	×	×	×	×	△
	Vibration or Impact Load	△	△	△	△	△	△	☆	☆	☆	☆	○	☆	☆	☆	△	△	○	☆	☆
High Speed Adaptability		☆	☆	☆	○	☆	△	☆	☆	☆	☆	○	○	○	○	△	△	△	△	△
High Accuracy		☆	☆	☆		☆		☆			☆		○			○				
Low Noise		☆						○												
Rigidity				○		○		○	○	○	☆	○	○	☆				☆	☆	☆
Misalignment		○	△	×	×	×	☆	△	△	△	△	△	△	△	☆	×	☆	×	×	☆
Ring separability		×	×	×	×	■	×	■	■	■	■	■	■	■	×	■	■	■	■	■

Key

☆
Excellent○
Good△
Average■
Acceptable×
Not Acceptable

The above table is simply a basic guide which can be used for ready reference in selection of bearings. It is by no means comprehensive and should only be used as an indicator final bearing selection should be based after careful study and load calculations.

Facilities for DPI Distributors



1983 – Better with Age

DPI was established in 1983 which shows that you have with you a name that has withstood the changes of time. Just like good wine we grow better with age. After 22 years DPI still continues to “deliver” and is poised to deliver even more.



Quality – The only constant over the years

Quality has been our mantra right from the beginning and remains our greatest asset and reason for success. Today DPI quality is more than a marketing line. We have processes and science behind this. DPI is an ISO 9001 product. We have meticulously documented product life-cycle. In-process quality tests ensure defect free production. Annual factory evaluations and random inspections ensure continuous adherence to our standards.



Global Production Base – Global growth engines power DPI

To ensure a stable value (value = quality / price) product we have expanded our production base to the worlds largest and fastest growing manufacturing economies. Investments in production capacities in these countries provide us globally competitive products in quality and price. All roller bearings are made at our own ISO certified plant in India.



Unbeatable Pricing – secure your profits

With sales in 39 countries and a range that spans to 2900 items DPI has the global economies of scale that enable us to provide you the most competitive average buying price across the entire range of products compared to any other similar manufacturer. We are not the lowest priced manufacturer and we don't intend to follow that principle. When you compare our pricing along with all the other above benefits that we provide you can be rest assured you are getting the best deal available.



Range – 2900 types and growing

DPI features a diverse range of products that is unmatched globally in our segment. With over 2900 products with constant innovations in new products our range is one of the biggest assets of our distributors. We feature an exclusive range of automotive bearings and industrial bearings. Our sector wise focus provides you with exclusive sector specific ranges.

Facilities for DPI Distributors



Marketing – Industrial marketing leaders

DPI provides unmatched marketing support. Distributors are armed with

- Technical catalogs
- Profiles
- Point of Sales give away such as calendars, cups, pens, key chains, calculators, T shirts
- Introductory bundles
- Road Shows & visits
- Annual Seminars / dealer conferences
- Distributor & Dealer recognition awards
- Incentive programs
- Introduction letters, positioning and marketing manuals & presentations
- Engineering & Representative support for local trade shows & exhibitions



Laboratory & Engineering Support – built on technology

DPI laboratories located at our global distributor center are equipped with engineers and sophisticated testing equipment such as :

- Noise testing
- Vibration testing
- Hardness testing
- Dimension testing

The laboratory conducts random inspections on every shipment that arrives to ensure that products are as per DPI bench mark standards. Additionally we can undertake several comparison tests for product differentiation and evaluation at the laboratory. Engineers from our laboratory or factories are available for technical support.

Warranty – We are behind you

Genuine DPI products purchases from our authorized distributors are backed by our continued business and commitment to stand by our products. We take responsibility for all manufacturing defects.

Facilities for DPI Distributors



Reality – solid support

Since we are in the industry for over 30 years we understand and value distributor relationships. Loyalty is rewarded and we encourage close communication and sharing of information and marketing practices to create a more satisfied network of DPI dealers.



Trade Finance Facilities – capitalize on all opportunities with us

Through our various incentive programs and distributor rewards at varying levels of business we provide trade finance facilities to enhance growth and improve your business level. This is a very special facility extended to the most loyal and best performing distributor.



24 x 7 Sales & Support – round the clock service

DPI has engaged Gulf Worldwide Distribution (GWD) to provide its distributors with unparalleled sales & support. GWD will allocate a dedicated account manager for every distributor who is available 24 x 7. Every account is overseen by a director of the company. Additionally e-mail and internet tools enable sales anywhere and anytime.



Technology Support – Sophisticated software support

GWD has invested in a proprietary end to end ERP software system. The system tracks trends in your markets, movement of your items, enables forward planning and through the internet provides ready access to stocking, pricing, forward ordering and new product information.



Referral Services – Expand your customer base

We have always referred new customers originating from a distributor's area to the distributor. After verifying the inquiries they are promptly followed up to our distributor there by increasing the level of your business and relations.



Logistics – World class distribution & Logistics support

We have invested over 2M USD in our global distribution center located in Jebel Ali. The center is equipped with advanced storage and material handling equipment. Features :

- Storage capacity of over 200 containers.
- Advanced storage & material handling equipment with trained staff
- Ability to dispatch an order within 30 minutes of order finalization



Recognition – Authorized

Once you are a DPI distributor you become part of a recognized global community. This recognition is facilitated with a Distributor's certificate to recognize that you are an authorized distributor and we forward inquiries from your area to you for the same.

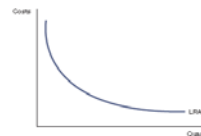


Facilities for DPI Distributors



Ready Market – no start up costs

After being sold for so many years in so many markets DPI bearings are well recognized and very easily marketable. You don't have to go through any introduction process with your customers. Additionally our list of end user customers is an additional testimony to our capabilities.



Economies of Scale

The global presence of DPI in more than 39 countries provides you enough confidence in the international quality and our commitment to this business. It also provides the required scale to take the business ahead.



Global Network

DPI network that spans 39 countries gives you a tremendous network. Once you are part of our network you can improve your business by contacting other partners. You are recognized as a partner of a global community.

Owner Driven

DPI was established in 1983 which shows that you have with you a name that has withstood the harsh realities of time. After 22 years DPI still continues to "deliver" and will continue to do.



Growth oriented – high growth

We are growth oriented company and through our association we ensure that all our partners also grow in time. We not only provide them with increasing range of products but also extend personal involvement, training, finance and share information to encash local opportunities. We are constantly looking for ways to grow our relationship.



Experienced Hands – 40 years of commercial experience behind you

With us you are in the most experienced hands with international bearing marketing and distribution is concerned. Through our 40 years of business experience we provide valuable input in strategies, execution, support and products. We take personal care to service your markets.



Indian Ethics – Foundation of truth

Although we may be forward thinking in business practices but our ethics are still old fashioned. We value all our relationships with our partners and we always provide them first priority in new product development, new market exploration. Business in India is based on ethics and reputation and we continue to extend these values internationally among our network.



DPI®



Deep Groove Ball Bearings

Deep groove ball bearing

Deep groove ball bearing are the most popular and support radial and certain degree of axial load in both direction simultaneously. The following types of ball bearings are available:

1. Shielded / Sealed type.

This simplifies the sealing. Greasing is not necessary because bearings are pre-lubricated.

The various types of seals are as follows:

a) **ZZ (non-contact) Shield:** This is good in applications that require small frictional torques and high speed with good resistance of dirt. These have very limited resistance of water.

b) **2RU (non contact) seal:** This is good in applications that require small frictional torques and moderate to high speed performance. Resistance to dirt and water is better than ZZ.

c) **2RS (contact type) seal:** This is good in applications that require large frictional torques. They have limitations in high speed applications due to the contact of seal. The grease sealing and direct and water resistance is very good.

2. With locating snap ring.

These can be fit into housings easily as the locating snap ring facilitates axial positioning.

3. Extra-small ball bearings & Miniature ball bearings.

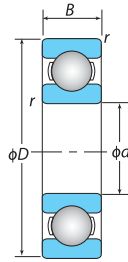
The open type is widely used.

The standard cages used are pressed steel cages. Additionally copper alloy machined cages are also available.

DPI ball bearings are the most popular products. These are well known for there quality and performance. Our standard quality has made the ball bearing series very popular in most of the markets.

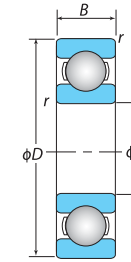
For details on boundary dimensions and specifications please refer to the tables overleaf.

Ball Bearings - Extra Small, Miniature



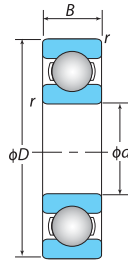
BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT GRAMS
		d	D	B	r	Dynamic C	Static Co	Grease Lube	Oil Lube	
604	14	4	12	4	0.20	0.97	0.36	53000	63000	1.8
605	15	5	14	5	0.20	1.30	0.48	50000	60000	3.5
606	16	6	17	6	0.30	2.60	1.05	35000	43000	5.8
607	17	7	19	6	0.30	2.60	1.05	40000	47000	7.6
608	18	8	22	7	0.30	3.35	1.40	28000	35000	12.0
609	19	9	24	7	0.30	3.35	1.40	33000	40000	15.0
626	26	6	19	6	0.30	2.60	1.05	35000	43000	8.9
627	27	7	22	7	0.30	3.30	1.35	31000	37000	13.0
628	28	8	24	8	0.30	3.35	1.40	28000	35000	18.0
629	29	9	26	8	0.60	4.55	1.95	27000	33000	20.0
686	86	6	13	3.5	0.15	1.10	0.44	48000	57000	1.8
687	87	7	14	3.5	0.15	1.50	0.51	45000	54000	2.0
689	89	9	17	4	0.20	1.35	0.66	39000	46000	3.5
695	95	5	13	4	0.20	1.10	0.43	50000	60000	2.2
696	96	6	15	5	2.00	1.75	0.67	45000	54000	3.9
697	97	7	17	5	3.00	1.60	0.71	42800	50000	5.3
698	98	8	19	6	3.00	2.25	0.91	39000	46000	7.2
699	99	9	20	6	0.30	2.45	1.05	35000	42000	7.5

Ball Bearings - Extra Small, Miniature



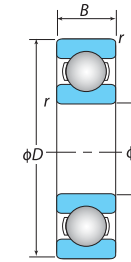
BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT Kgs
		d	D	B	r	Dynamic C	Static Co	Oil Lube	Grease Lube	
6800		10	19	5	0.3	1.83	0.93	34000	40000	0.005
6801		12	21	5	0.3	1.92	1.04	32000	38000	0.006
6802		15	24	5	0.3	2.08	1.26	28000	34000	0.007
6803		17	26	5	0.3	2.81	1.72	26000	30000	0.008
6804		20	32	7	0.3	4.00	2.47	22000	26000	0.019
6805		25	37	7	0.3	4.30	2.95	18000	22000	0.022
6806		30	42	7	0.3	4.70	3.65	15000	18000	0.026
6807		35	47	7	0.3	4.90	4.05	13000	16000	0.029
6808		40	52	7	0.3	4.95	4.20	12000	14000	0.033
6809		45	58	7	0.3	6.20	5.40	11000	13000	0.040
6810		50	65	7	0.3	6.60	6.10	9500	11000	0.052
6811		55	72	9	0.3	8.80	8.10	8500	10000	0.083
6812		60	78	10	0.3	11.50	10.60	8000	9500	0.104
6813		65	85	10	0.6	11.90	11.50	7500	8500	0.126
6814		70	90	10	0.6	12.10	11.90	6700	8000	0.134
6815		75	95	10	0.6	12.50	12.90	6300	7500	0.142
6816		80	100	10	0.6	12.70	13.30	6000	7100	0.150
6817		85	110	13	1	18.70	19.00	5600	6700	0.266
6818		90	115	13	1	19.00	19.70	5300	6300	0.279
6819		95	120	13	1	19.30	19.70	5000	6000	0.705
6820		100	125	13	1	19.60	21.20	4800	5600	0.309

Ball Bearings - Extra Small, Miniature



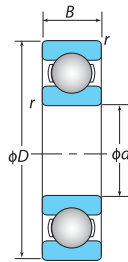
BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT Kgs
		d	D	B	r	Dynamic C	Static Co	Oil Lube	Grease Lube	
6900		10	22	6	0.3	2.70	1.25	32000	38000	0.010
6901		12	24	6	0.3	2.90	1.45	30000	36000	0.011
6902		15	28	7	0.3	4.30	2.25	26000	30000	0.017
6903		17	30	7	0.3	4.60	2.55	24000	28000	0.018
6904		20	37	9	0.3	6.35	3.70	19000	22000	0.036
6905		25	42	9	0.3	7.00	4.55	16000	19000	0.041
6906		30	47	9	0.3	7.25	5.00	14000	17000	0.045
6907		35	55	10	0.6	10.90	7.75	12000	15000	0.073
6908		40	62	12	0.6	13.70	9.95	11000	13000	0.112
6909		45	68	12	0.6	14.10	10.90	9500	12000	0.132
6910		50	72	12	0.6	14.50	11.70	9000	11000	0.133
6911		55	80	13	1	16.60	14.10	8000	9500	0.185
6912		60	85	13	1	20.20	17.30	7500	9000	0.104

Ball Bearings - Extra Small, Miniature



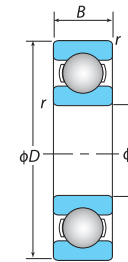
BEARING NUMBER		ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kgf)		Weight Kgs
			d	D	B	r	Dynamic C	Static Co	
E3	EN3	6003	3	16	5	0.15	168.0	29.0	0.005
E4	EN4	6004	4	16	5	0.15	168.0	29.0	0.005
E5	EN5	6005	5	16	5	0.15	168.0	29.0	0.005
E6	EN6	6006	6	21	7	0.3	254.0	46.0	0.011
E7	EN7	6007	7	22	7	0.3	254.0	46.0	0.013
E8	EN8	6008	8	24	7	0.3	350.0	66.0	0.016
E9	EN9	6009	9	28	8	0.3	465.0	90.0	0.02
E10	EN10	6010	10	28	8	0.3	465.0	90.0	0.022
E11	EN11	6011	11	32	7	0.3	450.0	86.0	0.025
E12	EN12	6012	12	32	7	0.3	450.0	86.0	0.027
E13	EN13	6013	13	30	7	0.3	450.0	86.0	0.029
E14	EN14	6014	14	35	8	0.3	590.0	117.0	0.031
E15	EN15	6015	15	35	8	0.3	590.0	117.0	0.034
E16	EN16	6016	16	38	10	0.6	705.0	141.0	0.049
E17	EN17	6017	17	44	11	0.6	750.0	153.0	0.055
E18	EN18	6018	18	40	9	0.6	515.0	105.0	0.065
E19	EN19	6019	19	40	9	0.6	515.0	105.0	0.075
E20	EN20	6020	20	47	12	0.6	1120.0	254.0	0.089

Ball Bearings - Extra Small Miniature (Inch series)



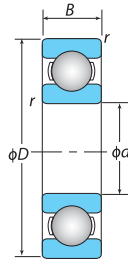
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				Basic Load Ratings (kn)		Weight
		d	D	B		Dynamic (C)	Static (Co)	Grams
		mm	mm	open mm	ZZ mm			
R2		3.1750	9.5250	3.9670	3.9670	630	218	1.36
R3		4.7630	12.7000	3.9670	4.9780	1300	485	2.21
R4		6.3500	15.8750	4.9780	4.9780	1480	615	4.46
R6		9.5250	22.2250	5.5580	7.1420	3350	1410	9.02
R8		12.7000	28.5750	6.3500	7.9380	5100	2220	14
R10		15.8750	34.9250	7.1440	8.7320	6000	2780	28
R12		19.0500	41.2750	7.9380	11.1130	9350	4450	42
R14		22.2250	47.6250	9.5250	12.7000	10100	4950	72
R16		25.4000	50.8000	9.5250	12.7000	10700	5450	85
R18		28.5750	53.9750	9.5250	12.7000	12400	6200	85
R20		31.7500	57.1500	9.5250	12.7000	13200	6850	93
R22		34.9250	63.5000	11.1130	14.2880	15900	8500	135

Single - Row Deep Groove Ball Bearings



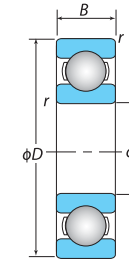
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	B	r	Dynamic C	Stactic Co	Oil Lube	Grease Lube	
		mm	mm	mm	mm	Dynamic C	Stactic Co	Oil Lube	Grease Lube	
16002	7000102	15	30	8	0.3	4	2.05	28000	22000	0.037
16003	7000103	17	35	8	0.3	6	3.25	26000	20000	0.044
16004	7000104	20	42	8	0.3	7.95	4.5	20000	17000	0.05
16005	7000105	25	47	8	0.3	8.4	5.1	18000	15000	0.058
16006	7000106	30	55	9	3	11.2	7.35	12000	15000	0.087
16007	7000107	35	62	9	0.3	12.2	8.85	13000	10000	0.111
16008	7000108	40	68	9	0.3	13.3	9.8	12000	9500	0.13
16009	7000109	45	75	10	0.6	15.5	12.3	11000	9000	0.17
16010	7000110	50	80	10	0.6	16.3	13.1	10000	8500	0.188
16011	7000111	55	90	11	0.6	19.3	16.3	9000	7500	0.26
16012	7000112	60	95	11	0.6	20	17.6	8500	7000	0.28
16013	7000113	65	100	11	0.6	22.9	19.6	7500	6300	0.3
16014	7000114	70	110	13	0.6	27.9	25	7000	6000	0.433
16015	7000115	75	115	13	0.6	28.5	26.8	6700	5600	0.46
16016	7000116	80	125	14	0.6	31.9	29.7	6300	5300	0.6
16017	7000117	85	130	14	1	33.8	33.5	6000	5000	0.63
16018	7000118	90	140	16	1	41.9	40.4	5300	4500	0.85
16019	7000119	95	145	24	1.5	60.5	53.6	5000	4300	1.2
16020	7000120	100	150	16	1	45	44	5000	4300	0.91

Single - Row Deep Groove Ball Bearings



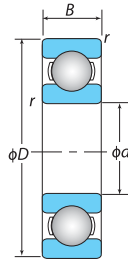
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						Dynamic	Static	Oil	Grease	
		d	D	B	r	C	Co	Lube	Lube	
6000	100	10	26	8	0.3	4.55	1.95	31000	36000	0.019
6001	101	12	28	8	0.3	5.10	2.40	27000	32000	0.022
6002	102	15	32	9	0.3	5.60	2.85	23000	27000	0.030
6003	103	17	35	10	0.3	6.00	3.25	21000	25000	0.039
6004	104	20	42	12	0.6	9.40	5.05	17000	21000	0.069
6005	105	25	47	12	0.6	10.10	5.85	15000	18000	0.080
6006	106	30	55	13	1.0	13.20	8.25	13000	15000	0.116
6007	107	35	62	14	1.0	15.90	10.30	11000	13000	0.155
6008	108	40	68	15	1.0	16.70	11.50	10000	12000	0.192
6009	109	45	75	16	1.0	21.00	15.10	9200	11000	0.245
6010	110	50	80	16	1.0	21.80	16.60	8400	9900	0.261
6011	111	55	90	18	1.1	28.30	21.20	7600	8900	0.385
6012	112	60	95	18	1.1	29.40	23.20	7100	8400	0.415
6013	113	65	100	18	1.1	30.50	25.20	6600	7800	0.435
6014	114	70	110	20	1.1	38.10	30.90	6100	7200	0.602
6015	115	75	115	20	1.1	39.60	33.50	5700	6800	0.638
6016	116	80	125	22	1.1	47.6	39.8	5300	6300	0.850
6017	117	85	130	22	1.1	49.5	43.1	5000	5900	0.890
6018	118	90	140	24	1.5	58.2	49.7	4700	5600	1.160
6019	119	95	145	24	1.5	60.4	53.9	4400	5200	1.210
6020	120	100	150	24	1.5	60.2	54.2	4300	5100	1.250

Single - Row Deep Groove Ball Bearings



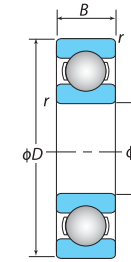
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						Dynamic	Static	Oil	Grease	
		d	D	B	r	C	Co	Lube	Lube	
6200	200	10	30	9	0.6	5.10	2.40	24000	29000	0.032
6201	201	12	32	10	0.6	6.80	3.05	22000	27000	0.037
6202	202	15	35	11	0.6	7.65	3.75	20000	24000	0.045
6203	203	17	40	12	0.6	9.55	4.80	17000	21000	0.065
6204	204	20	47	14	1.0	12.80	6.65	15000	17000	0.106
62/22		22	44	12	0.6	9.40	5.15	15000	17000	0.118
6205	205	25	52	15	1.0	14.00	7.85	13000	15000	0.128
62/28		28	58	16	1.0	17.30	9.75	12000	14000	0.173
6206	206	30	62	16	1.0	19.50	11.30	11000	13000	0.199
62/32		32	65	17	1.0	23.50	13.10	10000	12000	0.228
6207	207	35	72	17	1.1	25.70	15.40	9200	11000	0.288
6208	208	40	80	18	1.1	29.10	17.80	8300	10000	0.366
6209	209	45	85	19	1.1	32.70	20.30	7700	9200	0.407
6210	210	50	90	20	1.1	35.10	23.30	7100	8500	0.463
6211	211	55	100	21	1.5	43.40	29.40	6300	7600	0.607
6212	212	60	110	22	1.5	52.40	36.20	5700	6900	0.783
6213	213	65	120	23	1.5	57.20	40.10	5400	6400	0.990
6214	214	70	125	24	1.5	62.20	44.10	5100	6100	1.070
6215	215	75	130	25	1.5	67.40	48.30	4800	5800	1.180
6216	216	80	140	26	2.0	72.70	53	4500	5400	1.400
6217	217	85	150	28	2.0	84.00	61.9	4200	5000	1.790
6218	218	90	160	30	2.0	96.10	71.5	3900	4700	2.150
6219	219	95	170	32	2.1	109.00	81.9	3700	4400	2.620
6220	220	100	180	34	2.1	122.00	93.1	3500	4200	3.140
6221	221	105	190	36	2.1	133.00	105	3300	3900	3.700
6222	222	110	200	38	2.1	144.00	117	3100	3700	4.360

Single - Row Deep Groove Ball Bearings



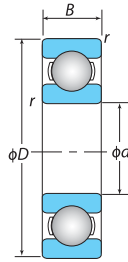
BEARING NUMBER	GOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						Dynamic	Static	Oil	Grease	
		d	D	B	r	C	Co	Lube	Lube	
6300	300	10	35	11	0.6	8.10	3.45	22000	27000	0.053
6301	301	12	37	12	1.0	9.70	4.20	20000	25000	0.060
6302	302	15	42	13	1.0	11.40	5.45	17000	20000	0.082
6303	303	17	47	14	1.0	13.60	6.65	15000	18000	0.115
6304	304	20	52	15	1.1	15.80	7.85	14000	17000	0.144
63/22		22	56	16	1.1	18.50	9.40	13000	15000	0.201
6305	305	25	62	17	1.1	20.60	11.30	11000	13000	0.232
63/28		28	68	18	1.1	23.50	13.10	10000	12000	0.328
6306	306	30	72	19	1.1	26.70	15.00	9600	12000	0.346
63/32		32	75	20	1.1	30.1	16.20	9300	11000	0.437
6307	307	35	80	21	1.5	33.40	19.30	8500	10000	0.457
6308	308	40	90	23	1.5	40.70	24.00	7700	9200	0.633
6309	309	45	100	25	1.5	48.90	29.50	6800	8100	0.833
6310	310	50	110	27	2.0	62.00	38.30	6100	7300	1.070
6311	311	55	120	29	2.0	71.60	45.00	5600	6700	1.370
6312	312	60	130	31	2.1	81.90	52.20	5200	6200	1.700
6313	313	65	140	33	2.1	92.70	59.90	4800	5800	2.080
6314	314	70	150	35	2.1	104.00	68.20	4500	5400	2.520
6315	315	75	160	37	2.1	113.00	77.20	4200	5000	3.020
6316	316	80	170	39	2.1	123.00	86.70	3900	4700	3.590
6317	317	85	180	41	3.0	133.00	96.80	3700	4400	4.230
6318	318	90	190	43	3.0	143.00	107.00	3500	4200	4.910
6319	319	95	200	45	3.0	153.00	119.00	3300	4000	5.670
6320	320	100	215	47	3.0	173.00	141.00	3000	3600	7.000
6321	321	105	225	49	3.0	184.00	153.00	2900	3500	8.050
6322	322	110	240	50	3.0	205.00	180	2700	3200	9.540

Single - Row Deep Groove Ball Bearings



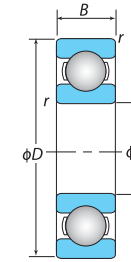
BEARING NUMBER	GOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						Dynamic	Static	Oil	Grease	
		d	D	B	r	C	Co	Lube	Lube	
6403	403	17	62	17	1.1	20.70	9.85	13000	15000	0.270
6404	404	20	72	19	1.1	31.00	15.20	11000	13000	0.400
6405	405	25	80	21	1.5	36.10	19.40	9100	11000	0.530
6406	406	30	90	23	1.5	43.40	23.90	8100	9700	0.735
6407	407	35	100	25	1.5	55.00	31.00	7200	8600	0.952
6408	408	40	110	27	2.0	63.70	36.60	6600	7900	1.230
6409	409	45	120	29	2.0	77.20	45.10	6000	7200	1.530
6410	410	50	130	31	2.1	83.00	49.50	5500	6600	1.880
6411	411	55	140	33	2.1	100.00	62.30	5000	6000	2.290
6412	412	60	150	35	2.1	110.00	70.80	4600	5500	2.770
6413	413	65	160	37	2.1	118.00	79.20	4300	5200	3.300
6414	414	70	180	42	3.0	144.00	104.00	3900	4600	4.830
6415	415	75	190	45	3.0	154.00	115.00	3600	4400	5.870

Single - Row Deep Groove Ball Bearings



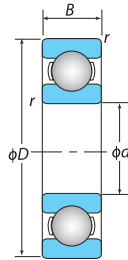
BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]			LOAD RATING(kN)		LIMITING SPEED(RPM)	WEIGHT KG
					Dynamic	Static	Grease	
		d	D	B	C	Co	Lube	
62200 2RS	180500	10	30	14	5.1	2.4	17000	0.04
62201 2RS	180501	12	32	14	6.1	2.8	15000	0.05
62202 2RS	180502	15	35	14	7.8	3.6	13000	0.05
62203 2RS	180503	17	40	16	9.6	4.6	12000	0.08
62204 2RS	180504	20	47	18	12.8	6.7	10000	0.13
62205 2RS	180505	25	52	18	14.0	7.9	8500	0.15
62206 2RS	180506	30	62	20	19.5	11.3	7500	0.24
62207 2RS	180507	35	72	23	25.7	15.3	6300	0.37
62208 2RS	180508	40	80	23	29.1	17.8	5600	0.44
62209 2RS	180509	45	85	23	32.5	20.4	5000	0.48
62210 2RS	180510	50	90	23	35.0	23.2	4800	0.52
62211 2RS	180511	55	100	25	42.5	29.2	4300	0.70
62212 2RS	180512	60	110	28	52.5	36.0	4000	0.97
62213 2RS	180513	65	120	31	57.5	40.0	3600	1.25
62214 2RS	180514	70	125	31	62.0	44.0	3400	1.30

Single - Row Deep Groove Ball Bearings



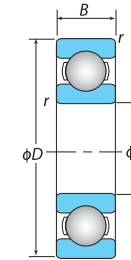
BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS[mm]			LOAD RATING(kN)		LIMITING SPEED(RPM)	WEIGHT KG
					Dynamic	Static	Grease	
		d	D	B	C	Co	Lube	
62300 2RS	180600	10	35	17	8.2	3.5	15000	0.06
62301 2RS	180601	12	37	17	9.7	4.2	14000	0.07
62302 2RS	180602	15	42	17	11.4	5.5	12000	0.11
62303 2RS	180603	17	47	19	13.5	6.6	11000	0.15
62304 2RS	180604	20	52	21	15.9	7.9	9500	0.20
62305 2RS	180605	25	62	24	21.2	10.9	7500	0.32
62306 2RS	180606	30	72	27	26.7	15.0	6300	0.48
62307 2RS	180607	35	80	31	33.5	19.1	6000	0.66
62308 2RS	180608	40	90	33	40.5	24.0	5000	0.89
62309 2RS	180609	45	100	25	53.0	32.0	4500	1.15
62310 2RS	180610	50	110	27	62.0	38.5	4300	1.55
62311 2RS	180611	55	120	29	71.5	45.0	3800	1.95
62312 2RS	180612	60	130	31	82.0	52.0	3400	2.50
62313 2RS	180613	65	140	33	92.5	60.0	3200	3.00
62314 2RS	180614	70	150	35	104.0	68.0	3000	3.55

Single - Row Deep Groove Ball Bearings



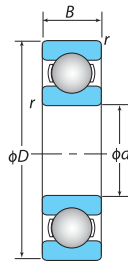
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]			LOAD RATING(kN)		LIMITING SPEED(RPM)	WEIGHT KG
					Dynamic	Static		
		d	D	B	C	Co	Grease Lube	
63000 2RS		10	26	12	4.62	2.00	19000	0.025
63001 2RS		12	28	12	5.10	2.39	17000	0.029
63002 2RS		15	32	13	5.60	2.84	14000	0.039
63003 2RS		17	35	14	6.80	3.35	13000	0.052
63004 2RS		20	42	16	9.40	5.05	11000	0.086
63005 2RS		25	47	16	10.10	5.85	9500	0.100
63006 2RS		30	55	19	13.20	8.30	8000	0.160
63007 2RS		35	62	20	16.00	10.30	7000	0.210
63008 2RS		40	68	21	16.80	11.50	6300	0.260
63009 2RS		45	75	23	21.00	15.10	5600	0.340
63010 2RS		50	80	23	21.80	16.60	5000	0.370

Single Row - Deep Groove Ball Bearings (Inch Series)



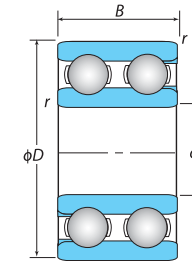
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		WEIGHT KG
						Dynamic	Static	
		d	D	B	r	C	Co	
RLS 4		12.700	33.338	9.525	0.8	6.790	3.040	0.035
RLS 5		15.875	39.688	11.112	0.8	9.560	4.550	0.060
RLS 6		19.050	47.625	14.288	1.5	12.837	6.170	0.117
RLS 7		22.225	50.800	14.288	1.5	12.964	6.170	0.123
RLS 8		25.400	57.150	15.875	1.5	13.229	6.880	0.178
RLS 9		28.575	63.500	15.875	1.5	19.470	10.100	0.228
RLS 10		31.750	69.850	17.462	1.5	19.480	10.100	0.302
RLS 11		34.925	76.200	17.462	2.0	25.680	18.030	0.356
RLS 12		38.100	82.550	19.050	2.4	29.110	15.640	0.452
RLS 13		41.275	88.900	19.050	2.4	32.650	20.300	0.525
RLS 14		44.450	95.250	20.638	2.4	35.100	23.240	0.665
RLS 15		47.625	101.600	20.638	2.4	39.120	26.470	0.743
RLS 16		50.800	101.600	20.638	2.4	39.120	26.470	0.700
RLS 18		57.150	114.300	22.225	2.4	52.460	36.180	0.970
RLS 20		63.500	127.000	23.812	2.4	63.050	44.030	1.250

Single Row - Deep Groove Ball Bearings (Inch Series)



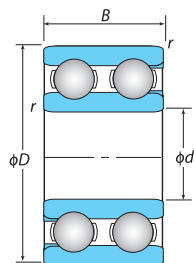
BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		WEIGHT KG
						Dynamic	Static	
		d	D	B	r	C	Co	
RMS4		12.700	41.275	15.875	1.6	9.460	4.413	0.100
RMS 5		15.875	46.038	15.875	1.6	11.570	5.540	0.110
RMS 6		19.050	50.800	17.462	1.6	13.820	6.810	0.163
RMS 7		22.225	57.150	17.462	1.6	18.530	9.750	0.204
RMS 8		25.400	63.500	19.050	2.4	20.590	11.270	0.258
RMS 9		28.575	71.438	20.638	2.4	26.670	15.000	0.390
RMS 10		31.750	79.375	22.225	2.4	30.010	17.160	0.470
RMS 11		34.925	88.900	22.225	2.4	36.970	21.570	0.610
RMS 12		38.100	95.250	23.812	2.4	44.710	26.570	0.770
RMS 13		41.275	101.600	23.812	2.4	48.830	29.510	0.900
RMS 14		44.450	107.950	26.988	2.4	57.460	35.200	1.040
RMS 15		47.625	114.300	26.988	2.4	61.980	38.240	1.220
RMS 16		50.800	114.300	26.988	2.4	61.980	38.240	1.210
RMS 18		57.150	127.000	31.750	3.2	71.880	45.600	1.720
RMS 20		63.500	139.700	31.750	3.2	92.670	59.920	2.060

Double - Row Deep Groove Ball Bearings



BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						Dynamic	Static	Oil	Grease	
		d	D	B	r	C	Co	Lube	Lube	
4200		10	30	14	0.6	7.7	5.9	20000	15000	0.057
4201		12	32	14	0.6	7.75	6.15	18000	14000	0.062
4202		15	35	14	0.6	9.75	9	16000	12000	0.071
4203		17	40	16	0.6	11.7	10.4	14000	11000	0.106
4204		20	47	18	1	16.4	16	12000	9000	0.165
4205		25	52	18	1	16.3	16.9	9900	7500	0.189
4206		30	62	20	1	22	24.7	8500	6400	0.298
4207		35	72	23	1.1	26.4	30.7	7400	5600	0.46
4208		40	80	23	1.1	33.7	42.4	6300	4700	0.558
4209		45	85	23	1.1	31.9	43.9	6100	4600	0.605
4210		50	90	23	1.1	31.4	44.6	5600	4200	0.651
4211		55	100	25	1.5	37.2	54.1	5000	3800	0.882
4212		60	110	28	1.5	47.9	67.6	4700	3500	1.2
4213		65	120	31	1.5	54.7	78.5	4300	3200	1.59
4214		70	125	31	1.5	62.1	89.8	4100	3100	1.68
4215		75	130	31	1.5	61.6	90.7	3900	2900	1.77

Double - Row Deep Groove Ball Bearings



BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	B	r	Dynamic C	Static Co	Oil Lube	Grease Lube	
4302		15	42	17	1	13.1	11.7	14000	11000	0.123
4303		17	47	19	1	16.5	15	13000	9400	0.171
4304		20	52	21	1.1	19.5	17	11000	8300	0.227
4305		25	62	24	1.1	26.3	25.7	9000	6700	0.365
4306		30	72	27	1.1	35.5	35.9	7600	5700	0.542
4307		35	80	31	1.5	40.6	41.8	7000	5200	0.752
4308		40	90	33	1.5	46	48.8	6100	4600	1.01
4309		45	100	36	1.5	57.6	62.4	5500	4100	1.35
4310		50	110	40	2	70.4	77.7	5000	3700	1.8
4311		55	120	43	2	84.2	94.4	4600	3400	2.29
4312		60	130	46	2.1	99.2	113	4200	3100	2.87
4313		65	140	48	2.1	107	124	3900	2900	3.46
4314		70	150	51	2.1	115	136	3600	2700	4.21
4315		75	160	55	2.1	132	158	3400	2500	5.15

This page is intentionally left blank



Angular Contact Ball Bearings

Double Row Angular Contact Ball Bearings.

Angular contact ball bearings are ideal for applications which require accuracy and speed. These kinds of bearings are required to carry a combined load. The following different types of angular contact bearings are available:

1. Shield / Sealed type.

The standard contact angles are 15 degrees (C), 30 degrees (A) and 40 degrees (B). Smaller contact angles are suitable for higher speed applications. Large contact angles provide better axial resistance. These bearings are also available as matched pair bearings where they are matched as follows:

a) Back-to-Back (DB): These are arranged so that the distance between the load centers is long and hence this arrangement will sustain larger moment loads.

b) Face-to-Face (DF): These are arranged so that the distance between the load centers is short and hence ability to carry moment loads is smaller.

c) Tandem Arrangement: This arrangement is useful for applications that require high axial load.

2. Double Row Contact Bearings:

These consist of two single row angular contact ball bearings matched back-to-back with integrated inner and outer rings.

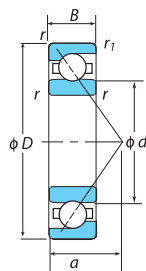
3. Four Point Contact Bearings:

These have a contact angle of 35 degrees. The inner ring is divided into 2 pieces. These are very specialized bearings.

The standard cages used are pressed steel cages. Additionally copper alloy machined cages are also available.

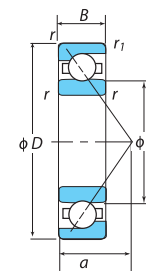
For details on boundary dimensions and specifications please refer to the tables overleaf.

Angular Contact Ball Bearings Single Row



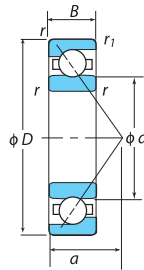
BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
7905		25	42	9	5720	3960	18 000	0.050
7906		30	47	9	6000	4600	15 000	0.058
7907		35	55	10	9600	7100	14 000	0.088
7908		40	62	12	10000	8100	12 000	0.130
7909		45	68	12	12500	10300	11 000	0.150
7910		50	72	12	13300	11600	9 500	0.157
7911		55	80	13	13800	12800	8 800	0.214
7912		60	85	13	14500	14000	8 000	0.230
7913		65	90	13	14600	14400	7 700	0.245
7914		70	100	16	21000	21000	7 200	0.397
7915		75	105	16	21200	21700	6 700	0.420
7916		80	110	16	21500	22400	6 200	0.444
7917		85	120	18	28800	30400	5 900	0.628
7918		90	125	18	29200	31600	5 600	0.658
7919		95	130	18	29600	32400	5 300	0.688
7920		100	140	20	38400	42000	5 000	0.934
7921		105	145	20	38800	43600	4 700	0.972
7922		110	150	20	39600	44800	4 600	1.010
7924		120	165	22	48800	55600	4 200	1.660
7926		130	180	24	66000	70000	3 800	1.820
7928		140	190	24	60400	72000	3 500	1.940
7930		150	210	28	78000	94000	3 300	2.960

Angular Contact Ball Bearings Single Row



BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
7000		10	26	8	3720	1600	31000	0.230
7001		12	28	8	4000	2000	28000	0.250
7002		15	32	9	4600	2500	23000	0.035
7003		17	35	10	5700	3800	22000	0.046
7004		20	42	12	7700	4500	20000	0.080
7005		25	47	12	8700	5500	17000	0.093
7006		30	55	13	11000	7500	14000	0.135
7007		35	62	14	14100	11000	13000	0.180
7008		40	68	15	15100	11700	11000	0.222
7009		45	75	16	17800	14100	10000	0.282
7010		50	80	16	18600	16000	9800	0.306
7011		55	90	18	25000	21000	8800	0.447
7012		60	95	18	26000	22500	7700	0.478
7013		65	100	18	26400	25400	7200	0.509
7014		70	110	20	34000	31000	6600	0.705
7015		75	115	20	35100	33800	6300	0.745
7016		80	125	22	42700	40500	5800	0.994
7017		85	130	22	43500	43000	5500	1.040
7018		90	140	24	52500	51000	5200	1.350
7019		95	145	24	54000	54000	4900	1.410
7020		100	150	24	55000	56500	4600	1.470
7022		110	170	28	63900	65000	4400	2.300
7024		120	180	28	74000	75000	4200	2.470
7026		130	200	33	74900	78000	3800	3.730
7028		140	210	33	94000	100000	3500	3.960
7030		150	225	35	96000	10600	3300	4.820

Single Row Angular Contact Ball Bearings



BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]					LOAD RATING(KN)				LIMITING SPEED(RPM)		Weight KG
							With Machined Cage		With Pressed Cage				
							Dynamic	Static	Dynamic	Static	Oil Lube	Grease Lube	
							C	Co	C	Co			
7200B	66200	10	30	9	0.6	0.3	4.30	2.00	4.95	2.50	22000	29000	0.031
7201B	66201	12	32	10	0.6	0.3	6.95	3.40	7.40	3.75	20000	27000	0.038
7202B	66202	15	35	11	0.6	0.3	7.45	3.95	7.45	3.95	18000	24000	0.048
7203B	66203	17	40	12	0.6	0.3	9.35	5.05	9.35	5.05	16000	21000	0.070
7204B	66204	20	47	14	1.0	0.6	13.30	7.70	14.10	8.40	13000	17000	0.112
7205B	66205	25	52	15	1.0	0.6	14.00	8.70	14.70	9.40	12000	15000	0.135
7206B	66206	30	62	16	1.0	0.6	19.40	12.50	20.50	13.60	9600	13000	0.208
7207B	66207	35	72	17	1.1	0.6	25.60	17.00	27.00	18.50	8300	11000	0.295
7208B	66208	40	80	18	1.1	0.6	30.6	21.3	32.1	23.0	7500	10000	0.382
7209B	66209	45	85	19	1.1	0.6	34.3	24.3	36.1	26.1	7000	9400	0.430
7210B	66210	50	90	20	1.1	0.6	35.7	26.7	37.4	28.6	6400	8500	0.485
7211B	66211	55	100	21	1.5	1.0	44.1	33.8	46.2	36.2	5700	7600	0.635
7212B	66212	60	110	22	1.5	1.0	53.4	41.6	55.9	44.6	5100	6900	0.820
7213B	66213	65	120	23	1.5	1.0	60.9	49.3	63.6	52.6	4800	6400	1.020
7214B	66214	70	125	24	1.5	1.0	63.2	50.6	69.1	57.8	4600	6100	1.120
7215B	66215	75	130	25	1.5	1.0	71.7	59.3	74.9	63.3	4300	5800	1.230

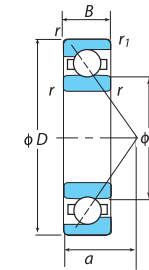
Rotational speed limits shown applicable for machined cage bearings only

Rotational speed limits of pressed cage bearings to be kept under 80% of this value

This speed limit is in case of 15 degree contact angle is applicable for bearings higher than class 5,

Suffix B indicates the contact angle is 40, Suffix C indicates the contact angle is 30 and no suffix indicates the contact angle is 15

Single Row Angular Contact Ball Bearings



BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]					LOAD RATING(kN)				LIMITING SPEED(RPM)		Weight KG
							With Machined Cage		With Pressed Cage				
							Dynamic	Static	Dynamic	Static			
		d	D	B	r	r ₁	C	Co	C	Co	Oil Lube	Grease Lube	
7300 B	66300	10	35	11	0.6	0.3	8.5	3.75	9.3	4.3	33000	27000	0.054
7301 B	66301	12	37	12	1	0.6	10.2	4.6	11.2	5.25	31000	24000	0.065
7302 B	66302	15	42	13	1	0.6	12.5	6.45	13.4	7.2	25000	20000	0.088
7303 B	66303	17	47	14	1	0.6	13.8	7.3	14.8	8.1	18000	14000	0.120
7304 B	66304	20	52	15	1.1	0.6	16.2	8.7	17.3	9.65	17000	13000	0.150
7305 B	66305	25	62	17	1.1	0.6	22.9	13.3	24.4	14.6	14000	10000	0.243
7306 B	66306	30	72	19	1.1	0.6	27.6	17.4	29.3	19	12000	8700	0.362
7307 B	66307	35	80	21	1.5	1	32.5	20.2	36.6	24.3	10000	7700	0.475
7308 B	66308	40	90	23	1.5	1	39.7	25.2	44.8	30.3	9200	6900	0.657
7309 B	66309	45	100	25	1.5	1	50.6	34.1	53.6	37.2	8200	6200	0.875
7310 B	66310	50	110	27	2	1	64.4	44.3	68.2	48.3	7300	5500	1.140
7311 B	66311	55	120	29	2	1	74.3	52	78.7	56.7	6700	5000	1.450
7312 B	66312	60	130	31	2.1	1.1	84.9	60.3	90	65.8	6200	4600	1.810
7313 B	66313	65	120	23	1.5	1	60.9	49.3	63.6	52.6	6400	4800	1.020
7314 B	66314	70	150	35	2.1	1.1	108	78.9	114	86	5400	4000	2.700
7315 B	66315	75	160	37	2.1	1.1	118	89.2	125	97.3	5000	3800	3.150

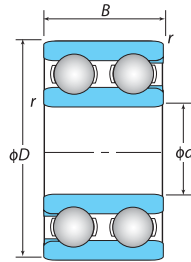
Rotational speed limits shown applicable for machined cage bearings only

Rotational speed limits of pressed cage bearings to be kept under 80% of this value

This speed limit is in case of 15 degree contact angle is applicable for bearings higher than class 5,

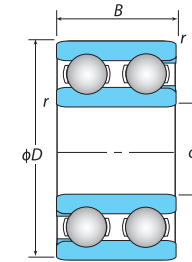
Suffix B indicates the contact angle is 40, Suffix C indicates the contact angle is 30 and no suffix indicates the contact angle is 15

Double Row Angular Contact Ball Bearings



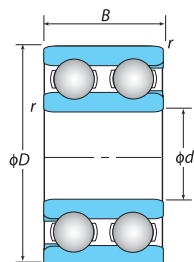
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
		d	D	B	r	Dynamic C	Static C ₀	Oil Lube	Grease Lube	
3200	3056200	10	30	14.3	0.6	7.35	5.35	15000	20000	0.052
3201	3056201	12	32	15.9	0.6	9.70	7.15	14000	18000	0.063
3202	3056202	15	35	15.9	0.6	9.70	7.45	12000	16000	0.072
3203	3056203	17	40	17.5	0.6	13.80	10.80	11000	14000	0.100
3204	3056204	20	47	20.6	1.0	17.20	15.00	9000	12000	0.170
3205	3056205	25	52	20.6	1.0	18.90	18.20	7800	10000	0.190
3206	3056206	30	62	23.8	1.0	27.30	27.00	6500	8700	0.320
3207	3056207	35	72	27	1.1	36.80	37.50	5600	7500	0.480
3208	3056208	40	80	30.2	1.1	42.00	43.90	5000	6700	0.650
3209	3056209	45	85	30.2	1.1	45.40	51.40	4600	6100	0.710
3210	3056210	50	90	30.2	1.1	45.10	52.10	4300	5700	0.760
3211	3056211	55	100	33.3	1.5	50.90	60.20	3900	5100	1.050
3212	3056212	60	110	36.5	1.5	64.00	76.80	3500	4700	1.400
3213	3056213	65	120	38.1	1.5	76.40	97.40	3200	4300	1.750
3214	3056214	70	125	39.7	1.5	77.90	96.40	3100	4100	1.920
3215	3056215	75	130	41.3	1.5	92.40	120.00	2900	3900	2.100
3216	3056216	80	140	44.4	2.0	97.50	121.00	2700	3600	2.640
3217	3056217	85	150	49.2	2.0	114.00	143.00	2500	3400	3.390
3218	3056218	90	160	52.4	2.0	132.00	167.00	2400	3100	4.140

Double Row Angular Contact Ball Bearings



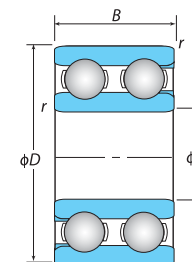
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
		d	D	B	r	Dynamic C	Static C ₀	Oil Lube	Grease Lube	
3302	3056302	15	42	19.0	1.0	15.20	11.90	10000	14000	0.132
3303	3056303	17	47	22.2	1.0	21.70	17.10	9400	13000	0.192
3304	3056304	20	52	22.2	1.1	20.80	18.40	8200	11000	0.230
3305	3056305	25	62	25.4	1.1	28.90	26.50	6800	9100	0.369
3306	3056306	30	72	30.2	1.1	38.10	36.10	5800	7800	0.585
3307	3056307	35	80	34.9	1.5	48.60	46.80	5200	7000	0.816
3308	3056308	40	90	36.5	1.5	54.10	53.80	4600	6100	1.070
3309	3056309	45	100	39.7	1.5	66.10	67.30	4100	5500	1.420
3310	3056310	50	110	44.4	2.0	86.10	88.60	3800	5000	1.950
3311	3056311	55	120	49.2	2.0	101.00	106.00	3400	4500	2.530
3312	3056312	60	130	54.0	2.1	125.00	132.00	3100	4200	3.240
3313	3056313	65	140	58.7	2.1	142.00	153.00	2900	3900	4.080
3314	3056314	70	150	63.5	2.1	151.00	160.00	2700	3600	5.040
3315	3056315	75	160	68.3	2.1	169.00	189.00	2500	3300	6.160
3316	3056316	80	170	68.3	2.1	184.00	213.00	2400	3100	6.930
3317	3056317	85	180	73.0	3.0	188.00	219.00	2200	3000	8.300
3318	3056318	90	190	73.0	3.0	205.00	242.00	2100	2800	9.230

Double Row Angular Contact Ball Bearings



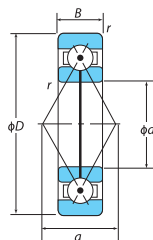
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)				LIMITING SPEED(RPM)		WEIGHT KG
						Open		Shielded / Sealed				
						Dynamic	Static	Dynamic	Static	Oil Lube	Grease Lube	
		C	Co	C	Co							
		d	D	B	r	C	Co	C	Co	Oil Lube	Grease Lube	
5203		17	40	17.5	0.6	13.20	8.15	12.70	8.35	11000	14000	0.091
5204		20	47	20.6	1.0	19.70	12.50	16.00	10.80	8800	12000	0.120
5205		25	52	20.6	1.0	21.40	14.80	18.90	13.80	7700	10000	0.190
5206		30	62	23.8	1.0	29.70	21.30	25.40	18.30	6400	8600	0.290
5207		35	72	27	1.1	39.20	29.00	31.70	24.60	5500	7300	0.430
5208		40	80	30.2	1.1	44.40	33.60	36.50	29.10	5000	6700	0.570
5209		45	85	30.2	1.1	49.90	38.40	41.70	33.90	4600	6100	0.620
5210		50	90	30.2	1.1	53.30	43.60	44.10	37.90	4300	5600	0.670
5211		55	100	33.3	1.5	65.90	55.20	52.90	44.70	3800	5100	0.960
5212		60	110	36.5	1.5	74.40	60.80	62.60	55.90	3500	4700	1.360
5213		65	120	38.1	1.5	86.90	75.30	69.20	63.10	3200	4300	1.660
5214		70	125	39.7	1.5	94.50	82.60	76.30	70.30	3100	4100	1.810

Double Row Angular Contact Ball Bearings



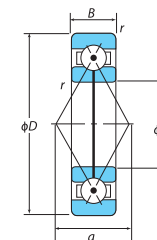
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)				LIMITING SPEED(RPM)		WEIGHT KG
						Open		Shielded / Sealed				
						Dynamic	Static	Dynamic	Static			
		d	D	B	r	C	Co	C	Co	Oil Lube	Grease Lube	
5304		20	52	22.2	1.1	24.70	15.00	19.80	12.80	8300	11000	0.230
5305		25	62	25.4	1.1	32.70	20.80	27.50	18.50	6900	9200	0.340
5306		30	72	30.2	1.1	41.00	28.50	34.30	25.20	5800	7700	0.510
5307		35	80	34.9	1.5	51.20	36.20	46.10	32.80	5100	6800	0.790
5308		40	90	36.5	1.5	62.70	45.40	51.40	37.80	4600	6100	1.050
5309		45	100	39.7	1.5	75.10	55.70	68.90	51.40	4100	5500	1.420
5310		50	110	44.4	2.0	88.50	67.00	81.80	62.20	3600	4800	1.930
5311		55	120	49.2	2.0	110.00	85.10	95.70	74.30	3300	4500	2.300
5312		60	130	54	2.1	126.00	98.70	110.00	87.10	3100	4100	3.160
5313		65	140	58.7	2.1	142.00	113.00	142.00	113.00	2900	3900	3.910
5314		70	150	63.5	2.1	160.00	129.00	160.00	129.00	2700	3600	4.890
5315		75	160	68.3	2.1	174.00	147.00	174.00	147.00	2500	3300	5.970

Angular Contact Ball Bearings



BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
QJ 203	176203	17	40	12	11900	7900	16000	0.082
QJ 205	176205	25	52	15	18800	15000	12000	0.160
QJ 206	176206	30	62	16	26300	21400	10000	0.240
QJ 207	176207	35	72	17	34600	29000	8500	0.346
QJ 208	176208	40	80	18	39500	33700	7500	0.450
QJ 209	176209	45	85	19	43900	38200	7200	0.520
QJ 210	176210	50	90	20	46300	42000	6400	0.603
QJ 211	176211	55	100	21	59500	57400	6000	0.780
QJ 212	176212	60	110	22	69200	65000	5400	0.987
QJ 213	176213	65	120	23	78000	78000	4800	1.240
QJ 214	176214	70	125	24	85500	85500	4800	1.360
QJ 215	176215	75	130	25	87800	91500	4500	1.530
QJ 216	176216	80	140	26	103000	110000	4000	1.830
QJ 217	176217	85	150	28	111000	120000	3800	2.300
QJ 218	176218	90	160	30	130000	140000	3600	2.760
QJ 219	176219	95	170	32	150000	160000	3400	3.350
QJ 220	176220	100	180	34	168000	180000	3200	4.020
QJ 221	176221	105	190	36	198000	23000	2900	4.750
QJ 222	176222	110	200	38	198000	230000	2900	5.620
QJ 224	176224	120	215	40	214000	255000	2700	6.750
QJ 226	176226	130	230	40	222000	297000	2400	7.280
QJ 228	176228	140	250	42	245000	330000	2200	9.330
QJ 230	176230	150	270	45	250000	450000	2000	11.800

Angular Contact Ball Bearings



BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
QJ 303	176303	17	47	14	17500	11000	14000	0.140
QJ 304	176304	20	52	15	22200	15000	13000	0.176
QJ 305	176305	25	62	17	30000	20200	11000	0.274
QJ 306	176306	30	72	19	37000	29000	10000	0.420
QJ 307	176307	35	80	21	44400	35000	8500	0.570
QJ 308	176308	40	90	23	53600	44000	7200	0.780
QJ 309	176309	45	100	25	70200	57300	6400	1.050
QJ 310	176310	50	110	27	83200	68600	5700	1.380
QJ 311	176311	55	120	29	95200	81000	5100	1.760
QJ 312	176312	60	130	31	109000	93800	4800	2.180
QJ 313	176313	65	140	33	124000	109000	4500	2.700
QJ 314	176314	70	150	35	140000	124000	4100	3.270
QJ 315	176315	75	160	37	150000	140000	3800	3.900
QJ 316	176316	80	170	39	162000	156000	3600	4.640
QJ 317	176317	85	180	41	175000	177000	3400	5.430
QJ 318	176318	90	190	43	198000	213000	3200	6.310
QJ 319	176319	95	200	45	214000	236000	3000	7.410
QJ 320	176320	100	215	47	230000	255000	2800	9.140
QJ 322	176322	110	240	50	273000	322000	2500	12.000
QJ 324	176324	120	260	55	292000	367000	2400	15.900
QJ 326	176326	130	280	58	317000	420000	2200	18.500
QJ 328	176328	140	300	62	351000	480000	2000	22.600
QJ 330	176330	150	320	65	370000	530000	1800	26.800

Self Aligning Ball Bearings

Self Aligning ball bearings have spherical outer raceway. The centre of this raceway coincides the centre of the bearing itself. Due to this specific design the rolling elements rotate and align themselves in the event they are misaligned. These are very useful in applications where there is displacement of the centers around the shaft and housing rotate and deflection are likely to occur.

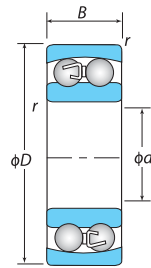
The standard cage used are staggered type pressed steel cages and snap type pressed steel cages. Additionally Copper alloy machined cages are also available.

For details on boundary dimensions and specifications please refer to the tables overleaf.

DPI®

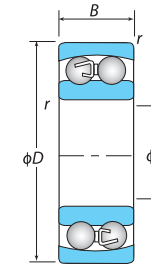


Self-Aligning Ball Bearings



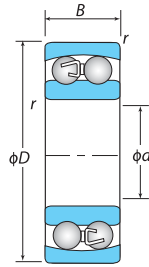
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
						d	D	B	r	C	Co	Lube	Grease	
Cylindrical bore		Tapered Bore		Tapered Bore with adapter assembly										
1200	1200	1200K	111200	1200 K+H		10	30	9	0.6	5.50	1.20	23000	28000	0.034
1201	1201	1201K	111201	1201 K+H	11200	12	32	10	0.6	5.60	1.25	21000	26000	0.040
1202	1202	1202K	111202	1202 K+H	11201	15	35	11	0.6	7.45	1.75	18000	22000	0.049
1203	1203	1203K	111203	1203 K+H	11202	17	40	12	0.6	7.90	2.00	16000	20000	0.073
1204	1204	1204K	111204	1204 K+H	11203	20	47	14	1.0	9.90	2.60	14000	17000	0.120
1205	1205	1205K	111205	1205 K+H	11204	25	52	15	1.0	12.10	3.30	12000	14000	0.141
1206	1206	1206K	111206	1206 K+H	11205	30	62	16	1.0	15.60	4.65	9900	12000	0.220
1207	1207	1207K	111207	1207 K+H	11206	35	72	17	1.1	15.80	5.10	8500	10000	0.323
1208	1208	1208K	111208	1208 K+H	11207	40	80	18	1.1	19.20	6.50	7500	9200	0.417
1209	1209	1209K	111209	1209 K+H	11208	45	85	19	1.1	21.80	7.35	7000	8500	0.465
1210	1210	1210K	111210	1210 K+H	11209	50	90	20	1.1	22.70	8.10	6500	7900	0.525
1211	1211	1211K	111211	1211 K+H	11210	55	100	21	1.5	26.80	10.00	5800	7100	0.705
1212	1212	1212K	111212	1212 K+H	11211	60	110	22	1.5	30.20	11.50	5200	6400	0.900
1213	1213	1213K	111213	1213 K+H	11212	65	120	23	1.5	31.00	12.50	4800	5800	1.150
1214	1214	1214K	111214	1214 K+H	11213	70	125	24	1.5	34.60	13.80	4600	5700	1.260
1215	1215	1215K	111215	1215 K+H	11214	75	130	25	1.5	38.80	15.70	4300	5300	1.360
1216	1216	1216K	111216	1216 K+H	11215	80	140	26	2.0	39.80	17.00	4000	4900	1.670
1217	1217	1217K	111217	1217 K+H	11216	85	150	28	2.0	49.20	20.80	3800	4600	2.070
1218	1218	1218K	111218	1218 K+H	11217	90	160	30	2.0	56.80	23.40	3500	4300	2.520
1219	1219	1219K	111219	1219 K+H	11218	95	170	32	2.1	57.00	24.30	3300	4000	3.100
1220	1220	1220K	111220	1220 K+H	11219	100	180	34	2.1	69.00	29.70	3100	3800	3.700

Self-Aligning Ball Bearings



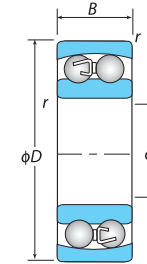
BEARING NUMBER	FOCT		FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
						d	D	B	r	C	Co	Lube	Grease	
Cylindrical bore		Tapered Bore		Tapered Bore with adapter										
1300	1300	1300K	111300	1300 K+H		10	35	11	0.6	7.25	1.60	20000	24000	0.058
1301	1301	1301K	111301	1301 K+H	11300	12	37	12	1.0	9.40	2.15	18000	22000	0.067
1302	1302	1302K	111302	1302 K+H	11301	15	42	13	1.0	9.55	2.30	16000	20000	0.094
1303	1303	1303K	111303	1303 K+H	11302	17	47	14	1.0	12.50	3.20	14000	17000	0.130
1304	1304	1304K	111304	1304 K+H	11303	20	52	15	1.1	12.40	3.30	13000	15000	0.163
1305	1305	1305K	111305	1305 K+H	11304	25	62	17	1.1	18.00	5.00	9900	12000	0.257
1306	1306	1306K	111306	1306 K+H	11305	30	72	19	1.1	21.30	6.30	8700	11000	0.387
1307	1307	1307K	111307	1307 K+H	11306	35	80	21	1.5	25.1	7.85	7600	9300	0.510
1308	1308	1308K	111308	1308 K+H	11307	40	90	23	1.5	29.5	9.7	6900	8400	0.715
1309	1309	1309K	111309	1309 K+H	11308	45	100	25	1.5	38.1	12.7	6100	7500	0.957
1310	1310	1310K	111310	1310 K+H	11309	50	110	27	2.0	43.40	14.10	5600	6800	1.210
1311	1311	1311K	111311	1311 K+H	11310	55	120	29	2.0	51.30	17.90	5000	6200	1.580
1312	1312	1312K	111312	1312 K+H	11311	60	130	31	2.1	57.20	20.80	4500	5500	1.960
1313	1313	1313K	111313	1313 K+H	11312	65	140	33	2.1	61.70	22.90	4300	5200	2.450
1314	1314	1314K	111314	1314 K+H	11313	70	150	35	2.1	74.00	27.70	4000	4900	2.990
1315	1315	1315K	111315	1315 K+H	11314	75	160	37	2.1	78.90	29.90	4000	4900	3.560
1316	1316	1316K	111316	1316 K+H	11315	80	170	39	2.1	88.10	33.10	3500	4300	4.180
1317	1317	1317K	111317	1317 K+H	11316	85	180	41	3.0	97.30	37.80	3300	4000	4.980
1318	1318	1318K	111318	1318 K+H	11317	90	190	43	3.0	116.00	44.40	3100	3800	5.800
1319	1319	1319K	111319	1319 K+H	11318	95	200	45	3.0	132.00	50.80	2900	3600	6.690
1320	1320	1320K	111320	1320 K+H	11319	100	215	47	3.0	143.00	57.30	2800	3400	8.300

Self-Aligning Ball Bearings

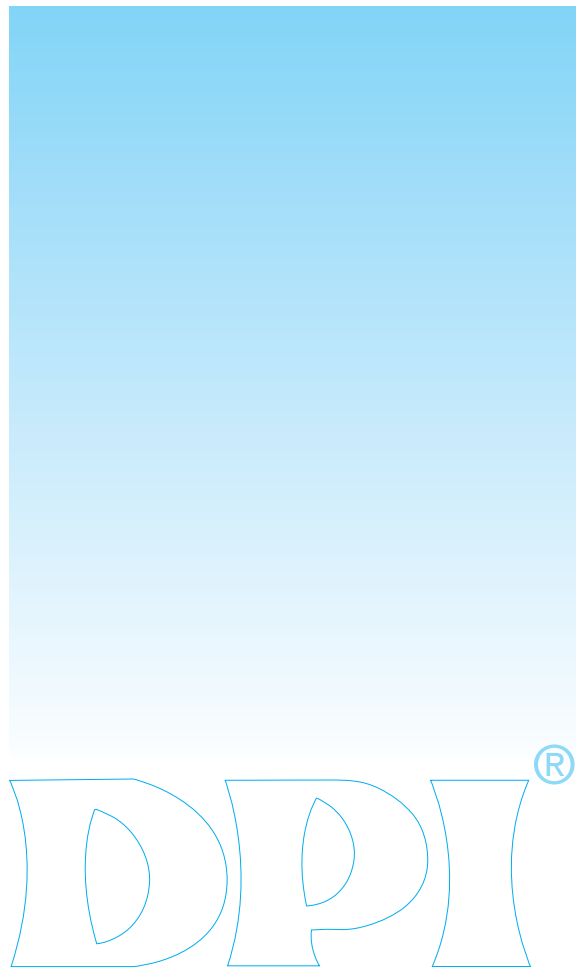


BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
				d	D	B	r	C	Co	Oil	Grease	
Cylindrical bore		Tapered Bore										
2200	1500	2200 K	111500	10	30	14	0.6	7.40	1.60	23000	29000	0.047
2201	1501	2201 K	111501	12	32	14	0.6	7.56	1.75	21000	26000	0.053
2202	1502	2202 K	111502	15	35	14	0.6	7.70	1.85	18000	22000	0.060
2203	1503	2203 K	111503	17	40	16	0.6	9.80	2.40	16000	20000	0.088
2204	1504	2204 K	111504	20	47	18	1.0	12.60	3.30	14000	17000	0.140
2205	1505	2205 K	111505	25	52	18	1.0	12.60	3.50	12000	15000	0.163
2206	1506	2206 K	111506	30	62	20	1.0	15.60	4.65	10000	12000	0.254
2207	1507	2207 K	111507	35	72	23	1.1	21.60	6.60	8500	10000	0.403
2208	1508	2208 K	111508	40	80	23	1.1	22.40	7.40	7600	9300	0.505
2209	1509	2209 K	111509	45	85	23	1.1	23.30	8.15	7000	8500	0.545
2210	1510	2210 K	111510	50	90	23	1.1	23.30	8.50	6500	7900	0.590
2211	1511	2211 K	111511	55	100	25	1.5	26.80	10.00	5800	7100	0.810
2212	1512	2212 K	111512	60	110	28	1.5	34.10	12.60	5300	6500	1.090

Self Aligning Ball Bearings



BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	Wt. Kg
		d	D	B	Dynamic	Static		
2300	1600	10	35	17	7500	1600	16000	0.083
2301	1601	12	37	17	8800	2000	14000	0.090
2302	1602	15	42	17	8900	2200	12000	0.114
2303	1603	17	47	19	11000	2700	10000	0.156
2304	1604	20	52	21	13600	3600	11000	0.210
2305	1605	25	62	24	18000	4900	8000	0.335
2306	1606	30	72	27	23400	6600	6800	0.500
2307	1607	35	80	31	29800	8400	5600	0.675
2308	1608	40	90	33	40500	12000	5200	0.925
2309	1609	45	100	36	47900	14500	4600	1.230
2310	1610	50	110	40	47900	15000	4300	1.630
2311	1611	55	120	43	57100	18000	3800	2.100
2312	1612	60	130	46	65300	21100	3600	2.600
2313	1613	65	140	48	71700	24300	3200	3.200
2314	1614	70	150	51	83300	28400	3000	3.920
2315	1615	75	160	55	93000	32200	2700	4.780
2316	1616	80	170	58	101000	36800	2600	5.650
2317	1617	85	180	60	105000	38200	2400	6.550
2318	1618	90	190	64	115000	42800	2200	7.750
2319	1619	95	200	67	124000	48000	2100	9.050
2320	1620	100	215	73	143000	60000	2000	11.500



Cylindrical Roller Bearings

These bearings require feature high radial load as rollers and raceway are in linear contact. These are ideal for applications where there is heavy impact or radial loading. Due their construction they can be very accurately machined and hence are also used in high speed applications. An additional feature of these bearings is that they have a seperable inner and outer ring due to which mounting and dismounting is very easy.

The following types of Cylindrical roller bearings are available:

1. Single Row Cylindrical Roller Bearings:

Within this type they are further subdivided as follows:

- a) **NU & N Type:** These give good performance when they are used as free side bearings as they adjust to the shafts axial movement to a certain extent.
- b) **NJ & NF Type:** These carry axial load in one direction
- c) **NUP & NH Type:** These can carry a certain degree of axial load in both directions.

2. Double Row Cylindrical Roller Bearings:

These consist of two single row angular contact ball bearings matched back-to-back with integrated inner and outer rings.

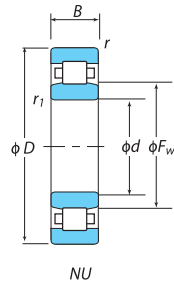
3. Four point contact ball bearings

These have a contact angle of 35 degrees. The inner ring is divided into 2 pieces. These are very specialized bearings.

The standard cages used are pressed steel cages. Additionally Copper alloy machined cages are also available.

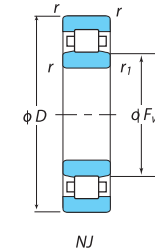
For details on boundary dimensions and specifications please refer to the tables overleaf.

Single Row Cylindrical Roller Bearings



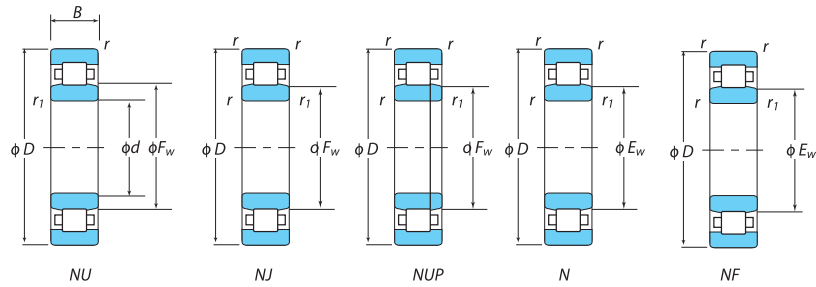
BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		L	H	H2	Dynamic	Static		
NU 1005	32105	25	47	12	12000	11200	15000	0.086
NU 1006	32106	30	66	13	15400	15600	13000	0.123
NU 1007	32107	35	62	14	18000	18500	12000	0.185
NU 1008	32108	40	68	15	21600	23600	11000	0.226
NU 1009	32109	45	75	16	24200	27900	10000	0.284
NU 1010	32110	45	80	16	25900	28900	9000	0.310
NU 1011	32111	50	90	18	30000	35400	8000	0.449
NU 1012	32112	55	95	18	32400	38500	7000	0.484
NU 1013	32113	60	100	18	32800	40600	6500	0.514
NU 1014	32114	65	110	20	46000	56000	6100	0.712
NU 1015	32115	70	115	20	48000	59500	5700	0.745
NU 1016	32116	75	125	22	58000	72400	5400	1.003
NU 1017	32117	80	130	22	60000	76300	5000	1.060
NU 1018	32118	85	140	24	70000	91000	4700	1.360
NU 1019	32119	90	145	24	72900	95900	4500	1.420
NU 1020	32120	95	150	24	74400	100000	4300	1.480
NU 1021	32121	100	160	26	84000	113000	4100	1.880
NU 1022	32122	105	170	28	105000	139000	3800	2.340
NU 1024	32124	110	180	28	111000	153000	3500	2.510
NU 1026	32126	120	200	33	137000	190000	3200	3.830
NU 1028	32128	130	210	33	140000	200000	3000	4.070
NU 1030	32130	140	225	35	160000	235000	2900	4.900

Single Row Cylindrical Roller Bearings



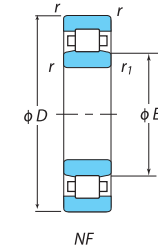
BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
NJ 1005	42105	25	47	12	12000	11200	15000	0.086
NJ 1006	42106	30	66	13	15400	15600	13000	0.123
NJ 1007	42107	35	62	14	18000	18500	12000	0.185
NJ 1008	42108	40	68	15	21600	23600	11000	0.226
NJ 1009	42109	45	75	16	24200	27900	10000	0.284
NJ 1010	42110	45	80	16	25900	28900	9000	0.310
NJ 1011	42111	50	90	18	30000	35400	8000	0.449
NJ 1012	42112	55	95	18	32400	38500	7000	0.484
NJ 1013	42113	60	100	18	32800	40600	6500	0.514
NJ 1014	42114	65	110	20	46000	56000	6100	0.712
NJ 1015	42115	70	115	20	48000	59500	5700	0.745
NJ 1016	42116	75	125	22	58000	72400	5400	1.003
NJ 1017	42117	80	130	22	60000	76300	5000	1.060
NJ 1018	42118	85	140	24	70000	91000	4700	1.360
NJ 1019	42119	90	145	24	72900	95900	4500	1.420
NJ 1020	42120	95	150	24	74400	100000	4300	1.480
NJ 1021	42121	100	160	26	84000	113000	4100	1.880
NJ 1022	42122	105	170	28	105000	139000	3800	2.340
NJ 1024	42124	110	180	28	111000	153000	3500	2.510
NJ 1026	42126	120	200	33	137000	190000	3200	3.830
NJ 1028	42128	130	210	33	140000	200000	3000	4.070
NJ 1030	42130	140	225	35	160000	235000	2900	4.900

Single Row Cylindrical Roller Bearings



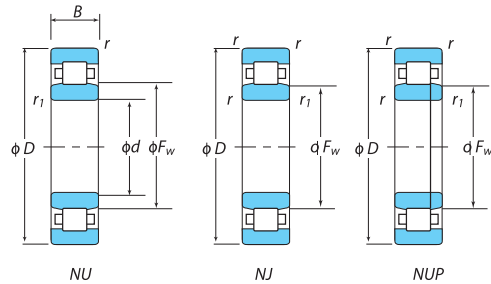
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]					LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
													Dynamic	Static	Grease	Oil	
NU		NJ		NUP		N		d	D	B	r min	n min	C	Co	Lube	Lube	KG
NU 204	32204	NJ 204	42204	NUP 204	92204	N 204	2204	20	47	14	1.0	0.6	15.4	12.7	15000	18000	0.108
NU 205	32205	NJ 205	42205	NUP 205	92205	N 205	2205	25	52	15	1.0	0.6	17.7	15.7	13000	16000	0.132
NU 206	32206	NJ 206	42206	NUP 206	92206	N 206	2206	30	62	16	1.0	0.6	23.5	21.5	11000	13000	0.200
NU 207	32207	NJ 207	42207	NUP 207	92207	N 207	2207	35	72	17	1.1	0.6	33.6	31.5	9500	11000	0.293
NU 208	32208	NJ 208	42208	NUP 208	92208	N 208	2208	40	80	18	1.1	1.1	43.8	42.9	8300	10000	0.366
NU 209	32209	NJ 209	42209	NUP 209	92209	N 209	2209	45	85	19	1.1	1.1	46.1	46.9	7700	9200	0.427
NU 210	32210	NJ 210	42210	NUP 210	92210	N 210	2210	50	90	20	1.1	1.1	48.2	51	7100	8500	0.479
NU 211	32211	NJ 211	42211	NUP 211	92211	N 211	2211	55	100	21	1.5	1.1	58	62.3	6400	7700	0.640
NU 212	32212	NJ 212	42212	NUP 212	92212	N 212	2212	60	110	22	1.5	1.5	71.9	79.9	5800	7000	0.823
NU 213	32213	NJ 213	42213	NUP 213	92213	N 213	2213	65	120	23	1.5	1.5	83.8	94.4	5400	6400	1.050
NU 214	32214	NJ 214	42214	NUP 214	92214	N 214	2214	70	125	24	1.5	1.5	83.3	95.2	5100	6100	1.150
NU 215	32215	NJ 215	42215	NUP 215	92215	N 215	2215	75	130	25	1.5	1.5	101	118	4800	5800	1.240
NU 216	32216	NJ 216	42216	NUP 216	92216	N 216	2216	80	140	26	2.0	2.0	106	122	4500	5400	1.510
NU 217	32217	NJ 217	42217	NUP 217	92217	N 217	2217	85	150	28	2.0	2.0	121	140	4200	5000	1.900
NU 218	32218	NJ 218	42218	NUP 218	92218	N 218	2218	90	160	30	2.0	2.0	152	178	3900	4700	2.280
NU 219	32219	NJ 219	42219	NUP 219	92219	N 219	2219	95	170	32	2.1	2.1	165	195	3700	4400	2.800
NU 220	32220	NJ 220	42220	NUP 220	92220	N 220	2220	100	180	34	2.1	2.1	183	217	3500	4200	3.380

Single Row Cylindrical Roller Bearings



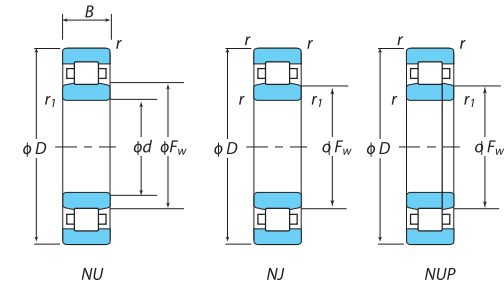
BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
NF 204	12204	20	47	14	11200	9900	15000	0.109
NF 205	12205	25	52	15	13100	11700	13000	0.134
NF 206	12206	30	62	16	17600	16100	11000	0.203
NF 207	12207	35	72	17	25100	23600	9000	0.289
NF 208	12208	40	80	18	32600	32200	8500	0.370
NF 209	12209	45	85	19	34500	35200	7500	0.423
NF 210	12210	50	90	20	36000	39000	7000	0.460
NF 211	12211	55	100	21	43500	46000	6300	0.626
NF 212	12212	60	110	22	51500	56000	5700	0.802
NF 213	12213	65	120	23	63000	71000	5300	1.000
NF 214	12214	70	125	24	63000	71000	5100	1.100
NF 215	12215	75	130	25	72000	63000	4700	1.210
NF 216	12216	80	140	26	79000	91000	4500	1.470
NF 217	12217	85	150	28	90000	105000	4200	1.830
NF 218	12218	90	160	30	114000	133000	3800	2.250
NF 219	12219	95	170	32	124000	146000	3600	2.720
NF 220	12220	100	180	34	137000	162000	3400	3.260
NF 221	12221	105	190	36	151000	180000	3200	3.870
NF 222	12222	110	200	38	180000	217000	3000	4.540
NF 224	12224	120	215	40	195000	240000	2900	5.460
NF 226	12226	130	230	40	202000	255000	2700	6.170
NF 228	12228	140	250	42	232000	315000	2500	7.720
NF 230	12230	150	270	45	280000	367000	2200	9.720

Single Row Cylindrical Roller Bearings



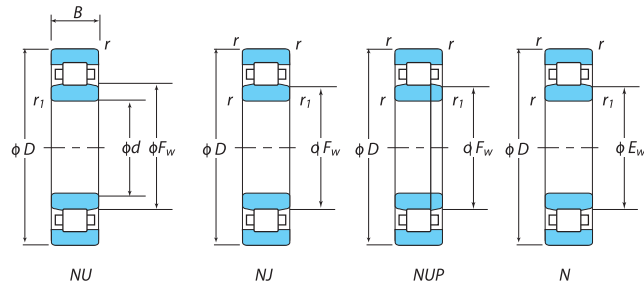
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS [mm]						LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						d	D	B	r min	r max	n min	Dynamic C	Static Co	Grease Lube	Oil Lube	
NU		NJ		NUP												
NU 2204	32504	NJ 2204	42504	NUP 2204	92504	20	47	18	1	0.6		20.7	18.4	13000	18000	0.146
NU 2205	32505	NJ 2205	42505	NUP 2205	92505	25	52	18	1	0.6		23.7	22.8	12000	16000	0.163
NU 2206	32506	NJ 2206	42506	NUP 2206	92506	30	62	20	1	0.6		32.9	33.1	9800	13000	0.262
NU 2207	32507	NJ 2207	42507	NUP 2207	92507	35	72	23	1.1	0.6		49	51.2	8500	11000	0.402
NU 2208	32508	NJ 2208	42508	NUP 2208	92508	40	80	23	1.1	1.1		58.3	62	7500	10000	0.49
NU 2209	32509	NJ 2209	42509	NUP 2209	92509	45	85	23	1.1	1.1		61.4	67.8	6900	9200	0.536
NU 2210	32510	NJ 2210	42510	NUP 2210	92510	50	90	23	1.1	1.1		64.2	73.6	6400	8500	0.58
NU 2211	32511	NJ 2211	42511	NUP 2211	92511	55	100	25	1.5	1.1		75.3	87.2	5800	7700	0.78
NU 2212	32512	NJ 2212	42512	NUP 2212	92512	60	110	28	1.5	1.5		101	123	5200	7000	1.07
NU 2213	32513	NJ 2213	42513	NUP 2213	92513	65	120	31	1.5	1.5		120	149	4800	6400	1.43
NU 2214	32514	NJ 2214	42514	NUP 2214	92514	70	125	31	1.5	1.5		119	151	4600	6100	1.52
NU 2215	32515	NJ 2215	42515	NUP 2215	92515	75	130	31	1.5	1.5		135	172	4300	5800	1.57
NU 2216	32516	NJ 2216	42516	NUP 2216	92516	80	140	33	2	2		148	186	4000	5400	1.96
NU 2217	32517	NJ 2217	42517	NUP 2217	92517	85	150	36	2	2		169	218	3800	5000	2.5
NU 2218	32518	NJ 2218	42518	NUP 2218	92518	90	160	40	2	2		207	265	3500	4700	3.1
NU 2219	32519	NJ 2219	42519	NUP 2219	92519	95	170	43	2.1	2.1		230	298	3300	4400	3.85
NU 2220	32520	NJ 2220	42520	NUP 2220	92520	100	180	46	2.1	2.1		259	338	3100	4200	4.67

Single Row Cylindrical Roller Bearings

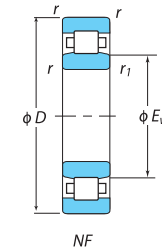


BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS[mm]						LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
						d	D	B	r min	r max	n min	Dynamic C	Static Co	Grease Lube	Oil Lube	
NU		NJ		NUP												
NU 2304	32604	NJ 2304	42604	NUP 2304	92604	20	52	21	1.1	0.6		32.9	30.2	11000	16000	0.212
NU 2305	32605	NJ 2305	42605	NUP 2305	92605	25	62	24	1.1	1.1		42.7	40.9	9100	14000	0.34
NU 2306	32606	NJ 2306	42606	NUP 2306	92606	30	72	27	1.1	1.1		51.4	50.8	7700	12000	0.5
NU 2307	32607	NJ 2307	42607	NUP 2307	92607	35	80	31	1.5	1.1		64.4	65.7	7000	10000	0.696
NU 2308	32608	NJ 2308	42608	NUP 2308	92608	40	90	33	1.5	1.5		82.2	88	6100	9100	0.956
NU 2309	32609	NJ 2309	42609	NUP 2309	92609	45	100	36	1.5	1.5		106	113	5500	8300	1.25
NU 2310	32610	NJ 2310	42610	NUP 2310	92610	50	110	40	2	2		128	142	5000	7500	1.69
NU 2311	32611	NJ 2311	42611	NUP 2311	92611	55	120	43	2	2		148	162	4500	6800	2.1
NU 2312	32612	NJ 2312	42612	NUP 2312	92612	60	130	46	2.1	2.1		168	188	4200	6300	2.69
NU 2313	32613	NJ 2313	42613	NUP 2313	92613	65	140	48	2.1	2.1		190	212	3900	5800	3.25
NU 2314	32614	NJ 2314	42614	NUP 2314	92614	70	150	51	2.1	2.1		224	262	3600	5400	3.97
NU 2315	32615	NJ 2315	42615	NUP 2315	92615	75	160	55	2.1	2.1		275	327	3400	5000	4.84
NU 2316	32616	NJ 2316	42616	NUP 2316	92616	80	170	58	2.1	2.1		275	332	3100	4700	5.83
NU 2317	32617	NJ 2317	42617	NUP 2317	92617	85	180	60	3	3		315	382	3000	4500	6.62
NU 2318	32618	NJ 2318	42618	NUP 2318	92618	90	190	64	3	3		329	395	2800	4200	7.9
NU 2319	32619	NJ 2319	42619	NUP 2319	92619	95	200	67	3	3		394	496	2600	4000	9.39
NU 2320	32620	NJ 2320	42620	NUP 2320	92620	100	215	73	3	3		464	548	2500	3700	11.9

Single Row Cylindrical Roller Bearings



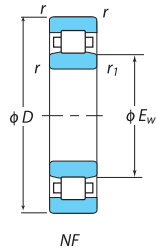
Single Row Cylindrical Roller Bearings



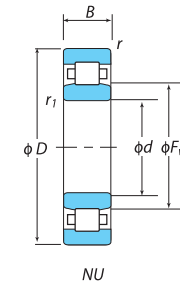
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]						LOAD RATING(KN)		LIMITING SPEED(RPM)		Weight KG
								d	D	B	r min	n min	C	Co	Grease Lube	Oil Lube		
NU		NJ		NUP		N												
NU 304	32304	NJ 304	42304	NUP 304	92304	N 304	2304	20	52	15	1.1	0.6	23.1	19.2	12000	16000	0.147	
NU 305	32305	NJ 305	42305	NUP 305	92305	N 305	2305	25	62	17	1.1	1.1	29.3	25.2	10000	14000	0.241	
NU 306	32306	NJ 306	42306	NUP 306	92306	N 306	2306	30	72	19	1.1	1.1	38.6	35.2	8700	12000	0.358	
NU 307	32307	NJ 307	42307	NUP 307	92307	N 307	2307	35	80	21	1.5	1.1	49.6	46.9	7900	10000	0.477	
NU 308	32308	NJ 308	42308	NUP 308	92308	N 308	2308	40	90	23	1.5	1.5	58.6	56.9	6900	9100	0.657	
NU 309	32309	NJ 309	42309	NUP 309	92309	N 309	2309	45	100	25	1.5	1.5	78.8	77.5	6200	8300	0.870	
NU 310	32310	NJ 310	42310	NUP 310	92310	N 310	2310	50	110	27	2.0	2.0	92.2	93.4	5600	7500	1.150	
NU 311	32311	NJ 311	42311	NUP 311	92311	N 311	2311	55	120	29	2.0	2.0	111	111	5100	6800	1.440	
NU 312	32312	NJ 312	42312	NUP 312	92312	N 312	2312	60	130	31	2.1	2.1	124	126	4700	6300	1.830	
NU 313	32313	NJ 313	42313	NUP 313	92313	N 313	2313	65	140	33	2.1	2.1	137	139	4300	5800	2.240	
NU 314	32314	NJ 314	42314	NUP 314	92314	N 314	2314	70	150	35	2.1	2.1	162	168	4000	5400	2.730	
NU 315	32315	NJ 315	42315	NUP 315	92315	N 315	2315	75	160	37	2.1	2.1	194	205	3800	5000	3.240	
NU 316	32316	NJ 316	42316	NUP 316	92316	N 316	2316	80	170	39	2.1	2.1	194	207	3500	4700	3.920	
NU 317	32317	NJ 317	42317	NUP 317	92317	N 317	2317	85	180	41	3.0	3.0	225	247	3300	4500	4.520	
NU 318	32318	NJ 318	42318	NUP 318	92318	N 318	2318	90	190	43	3.0	3.0	243	265	3100	4200	5.380	
NU 319	32319	NJ 319	42319	NUP 319	92319	N 319	2319	95	200	45	3.0	3.0	277	311	3000	4000	6.200	
NU 320	32320	NJ 320	42320	NUP 320	92320	N 320	2320	100	215	47	3.0	3.0	323	337	2800	3700	7.700	

BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
NF 304	12304	20	52	15	15500	14400	12000	0.149
NF 305	12305	25	62	17	21900	18700	10000	0.235
NF 306	12306	30	72	19	28800	26200	8500	0.350
NF 307	12307	35	80	21	37000	35200	8000	0.451
NF 308	12308	40	90	23	43500	43000	6800	0.643
NF 309	12309	45	100	25	58500	58000	6300	0.857
NF 310	12310	50	110	27	65000	64500	5700	1.110
NF 311	12311	55	120	29	82500	83000	5100	1.420
NF 312	12312	60	130	31	92000	94000	4700	1.760
NF 313	12313	65	140	33	101000	104000	4500	2.180
NF 314	12314	70	150	35	118000	165000	4100	2.650
NF 315	12315	75	160	37	142000	153000	3800	3.210
NF 316	12316	80	170	39	142000	155000	3600	3.770
NF 317	12317	85	180	41	168000	185000	3400	4.440
NF 318	12318	90	190	43	180000	198000	3200	5.180
NF 319	12319	95	200	45	193000	216000	3100	5.990
NF 320	12320	100	215	47	225000	251000	2900	7.320
NF 321	12321	105	225	49	255000	288000	2700	8.330
NF 322	12322	110	240	50	285000	326000	2500	9.770
NF 324	12324	120	260	55	333000	382000	2400	12.500
NF 326	12326	130	280	58	416000	498000	2200	17.000
NF 328	12328	140	300	62	446000	558000	2000	20.700
NF 330	12330	150	320	65	495000	600000	1700	24.700

Cylindrical Roller Bearings Single Row



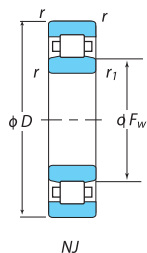
Single Row Cylindrical Roller Bearings



BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	Wt. Kg
		d	D	B	Dynamic	Static		
N 405	2405	25	80	21	34800	30000	7500	0.536
N 406	2406	30	90	23	46500	41000	7500	0.732
N 407	2407	35	100	25	56000	52000	6800	0.965
N 408	2408	40	110	27	71000	66000	6000	1.270
N 409	2409	45	120	29	80000	76000	5700	1.580
N 410	2410	50	130	31	103000	102000	5100	1.970
N 411	2411	55	140	33	104000	103000	4800	2.420
N 412	2412	60	150	35	125000	126000	4200	2.930
N 413	2413	65	160	37	146000	152000	4100	3.500
N 414	2414	70	180	42	171000	176000	3600	5.100
N 415	2415	75	190	45	196000	205000	3400	6.208
N 416	2416	80	200	48	224000	236000	3200	7.140
N 417	2417	85	210	52	245000	260000	3100	9.170
N 418	2418	90	225	54	280000	300000	2900	10.900
N 419	2419	95	240	55	300000	333000	2700	12.900
N 420	2420	100	250	58	333000	375000	2500	14.500
N 421	2421	105	260	60	370000	415000	2400	16.200
N 422	2422	110	280	65	405000	465000	2200	20.600
N 424	2424	120	310	72	500000	575000	2000	28.200
N 426	2426	130	340	78	615000	715000	1800	36.800
N 428	2428	140	360	82	655000	765000	1600	43.200
N 430	2430	150	380	85	695000	840000	1300	49.600

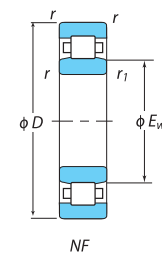
BEARING NUMBER	FOCT	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		RPM	WEIGHT KG
		d	D	B				
NU 405	32405	25	80	21	34800	30000	7500	0.550
NU 406	32406	30	90	23	46500	41000	7500	0.751
NU 407	32407	35	100	25	56000	52000	6800	0.990
NU 408	32408	40	110	27	71000	66000	6000	1.300
NU 409	32409	45	120	29	80000	76000	5700	1.620
NU 410	32410	50	130	31	103000	102000	5100	2.010
NU 411	32411	55	140	33	104000	103000	4800	2.480
NU 412	32412	60	150	35	125000	126000	4200	3.000
NU 413	32413	65	160	37	146000	152000	4100	3.600
NU 414	32414	70	180	42	171000	176000	3600	5.240
NU 415	32415	75	190	45	196000	205000	3400	6.220
NU 416	32416	80	200	48	224000	236000	3200	7.320
NU 417	32417	85	210	52	245000	260000	3100	9.400
NU 418	32418	90	225	54	280000	300000	2900	11.200
NU 419	32419	95	240	55	300000	333000	2700	13.200
NU 420	32420	100	250	58	333000	375000	2500	24.900
NU 421	32421	105	260	60	370000	415000	2400	16.600
NU 422	32422	110	280	5	405000	465000	2200	21.100
NU 424	32424	120	310	72	500000	575000	2000	28.900
NU 426	32426	130	340	78	615000	715000	1800	37.700
NU 428	32428	140	360	82	655000	765000	1600	44.300
NU 430	32430	150	380	85	695000	840000	1300	50.800

Cylindrical Roller Bearings Single Row



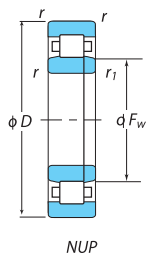
BEARING NUMBER	GOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS &		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
NJ 405	42405	25	80	21	34800	30000	7500	0.536
NJ 406	42406	30	90	23	46500	41000	7500	0.732
NJ 407	42407	35	100	25	56000	52000	6800	0.965
NJ 408	42408	40	110	27	71000	66000	6000	1.270
NJ 409	42409	45	120	29	80000	76000	5700	1.580
NJ 410	42410	50	130	31	103000	102000	5100	1.970
NJ 411	42411	55	140	33	104000	103000	4800	2.420
NJ 412	42412	60	150	35	125000	126000	4200	2.930
NJ 413	42413	65	160	37	146000	152000	4100	3.500
NJ 414	42414	70	180	42	171000	176000	3600	5.100
NJ 415	42415	75	190	45	196000	205000	3400	6.208
NJ 416	42416	80	200	48	224000	236000	3200	7.140
NJ 417	42417	85	210	52	245000	260000	3100	9.170
NJ 418	42418	90	225	54	280000	300000	2900	10.900
NJ 419	42419	95	240	55	300000	333000	2700	12.900
NJ 420	42420	100	250	58	333000	375000	2500	14.500
NJ 421	42421	105	260	60	370000	415000	2400	16.200
NJ 422	42422	110	280	65	405000	465000	2200	20.600
NJ 424	42424	120	310	72	500000	575000	2000	28.200
NJ 426	42426	130	340	78	615000	715000	1800	36.800
NJ 428	42428	140	360	82	655000	765000	1600	43.200
NJ 430	42430	150	380	85	695000	840000	1300	49.600

Single Row Cylindrical Roller Bearings



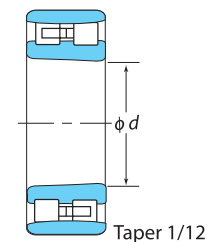
BEARING NUMBER	GOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS N		RPM	WEIGHT Kg
		d	D	B	Dynamic	Static		
NF 405	12405	25	80	21	34800	30000	7500	0.536
NF 406	12406	30	90	23	46500	41000	7500	0.732
NF 407	12407	35	100	25	56000	52000	6800	0.965
NF 408	12408	40	110	27	71000	66000	6000	1.270
NF 409	12409	45	120	29	80000	76000	5700	1.580
NF 410	12410	50	130	31	103000	102000	5100	1.970
NF 411	12411	55	140	33	104000	103000	4800	2.420
NF 412	12412	60	150	35	125000	126000	4200	2.930
NF 413	12413	65	160	37	146000	152000	4100	3.500
NF 414	12414	70	180	42	171000	176000	3600	5.100
NF 415	12415	75	190	45	196000	205000	3400	6.208
NF 416	12416	80	200	48	224000	236000	3200	7.140
NF 417	12417	85	210	52	245000	260000	3100	9.170
NF 418	12418	90	225	54	280000	300000	2900	10.900
NF 419	12419	95	240	55	300000	333000	2700	12.900
NF 420	12420	100	250	58	333000	375000	2500	14.500
NF 421	12421	105	260	60	370000	415000	2400	16.200
NF 422	12422	110	280	65	405000	465000	2200	20.600
NF 424	12424	120	310	72	500000	575000	2000	28.200
NF 426	12426	130	340	78	615000	715000	1800	36.800
NF 428	12428	140	360	82	655000	765000	1600	43.200
NF 430	12430	150	380	85	695000	840000	1300	49.600

Single Row Cylindrical Roller Bearings



BEARING NUMBER	GOCT	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		RPM	WEIGHT KG
		d	D	B				
NUP 405	92405	25	80	21	34800	30000	7500	0.550
NUP 406	92406	30	90	23	46500	41000	7500	0.751
NUP 407	92407	35	90	25	56000	52000	6800	0.990
NUP 408	92408	40	110	27	71000	66000	6000	1.300
NUP 409	92409	45	120	29	80000	76000	5700	1.620
NUP 410	92410	50	130	31	103000	102000	5100	2.010
NUP 411	92411	55	140	33	104000	103000	4800	2.480
NUP 412	92412	60	150	35	125000	126000	4200	3.000
NUP 413	92413	65	160	37	146000	152000	4100	3.600
NUP 414	92414	70	180	42	171000	176000	3600	5.240
NUP 415	92415	75	190	45	196000	205000	3400	6.220
NUP 416	92416	80	200	48	224000	236000	3200	7.320
NUP 417	92417	85	210	52	245000	260000	3100	9.400
NUP 418	92418	90	225	54	280000	300000	2900	11.200
NUP 419	92419	95	240	55	300000	333000	2700	13.200
NUP 420	92420	100	250	58	333000	375000	2500	24.900
NUP 421	92421	105	260	60	370000	415000	2400	16.600
NUP 422	92422	110	280	65	405000	465000	2200	21.100
NUP 424	92424	120	310	72	500000	575000	2000	28.900
NUP 426	92426	130	340	78	615000	715000	1800	37.700
NUP 428	92428	140	360	82	655000	765000	1600	44.300
NUP 430	92430	150	380	85	695000	840000	1300	50.800

Cylindrical Roller Bearings Double Row



BEARING NUMBER	GOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS & Static		RPM	WEIGHT Kg
		d	D	B	Dynamic			
NN3016	3282116	80	125	34	118	207	5600	1.500
NN3017	3282117	85	130	34	123	224	5300	1.630
NN3018	3282118	90	140	37	134	260	5000	1.980
NN3019	3282119	95	145	37	123	224	4300	2.260
NN3020	3282120	100	150	37	153	292	4500	2.250
NN3021	3282121	105	160	41	192	350	4800	2.940
NN3022	3282122	110	170	45	220	405	6000	3.730
NN3024	3282124	120	180	46	243	445	5000	3.850
NN3026	3282126	130	200	52	280	530	3600	5.540
NN3028	3282128	140	210	53	293	575	3400	6.050
NN3030	3282130	150	225	56	330	650	3200	7.750
NN3032	3282132	160	240	60	345	675	3000	8.390
NN3034	3282134	170	260	67	435	860	3600	12.900
NN3036	3282136	180	280	74	555	1090	2800	16.900
NN3038	3282138	190	290	75	565	1140	2600	18.000
NN3040	3282140	200	310	82	675	1340	2400	22.100
NN3044	3282144	220	340	90	795	1610	2200	31.000
NN3048	3282148	240	360	92	810	1690	2000	31.600
NN3056	3282156	280	420	106	1060	2290	1700	52.300



Tapered Roller Bearings

Tapered Roller Bearings

Tapered roller bearings have tapered surfaces whose apexes converge at a common point on the bearing axis. This type of bearing is suitable for applications involving heavy or impact loading.

The following types of Cylindrical roller bearings are available:

1. Single Row Tapered Roller Bearings

Single row tapered roller bearings are able to carry axial and radial load in one direction simultaneously.

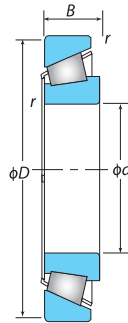
2. Double Row Tapered Roller Bearings:

These bearings can accommodate very high radial and axial loads in both directions.

The standard cages used are pressed steel cages.

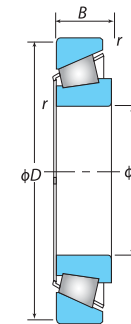
For details on boundary dimensions and specifications please refer to the tables overleaf.

Tapered Roller bearings



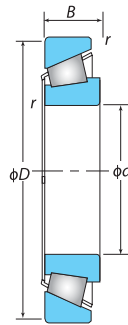
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
									Dynamic	Static	Grease Lube	Oil Lube	
		C	Co										
		d	D	T	B	C	r min	r,min	C	Co			
30202	7202	15	35	11.75	11	10	0.6	0.6	14.9	13.4	12000	16000	0.05
30203	7203	17	40	13.25	12	11	1	1	20.8	20.7	10000	14000	0.081
30204	7204	20	47	15.25	14	12	1	1	27.0	27.2	8700	12000	0.127
30205	7205	25	52	16.25	15	13	1	1	31.5	33.7	7800	10000	0.156
30206	7206	30	62	17.25	16	14	1	1	41.5	44.8	6500	8700	0.236
30207	7207	35	72	18.25	17	15	1.5	1.5	52.9	56.2	5600	7400	0.344
30208	7208	40	80	19.75	18	16	1.5	1.5	62.9	69.2	5000	6700	0.434
30209	7209	45	85	20.75	19	16	1.5	1.5	67.2	77.4	4600	6100	0.502
30210	7210	50	90	21.75	20	17	1.5	1.5	76.5	91.7	4300	5700	0.566
30211	7211	55	100	22.75	21	18	2	1.5	94.6	113.0	3900	5200	0.732
30212	7212	60	110	23.75	22	19	2	1.5	106.0	127.0	3500	4700	0.945
30213	7213	65	120	24.75	23	20	2	1.5	128.0	156.0	3200	4300	1.180
30214	7214	70	125	26.25	24	21	2	1.5	138.0	173.0	3100	4100	1.320
30215	7215	75	130	27.25	25	22	2	1.5	142.0	181.0	2900	3900	1.420
30216	7216	80	140	28.25	26	22	2.5	2	161.0	202.0	2700	3600	1.720
30217	7217	85	150	30.5	28	24	2.5	2	182.0	231.0	2500	3400	2.170
30218	7218	90	160	32.5	30	26	2.5	2	204.0	261.0	2400	3200	2.650
30219	7219	95	170	34.5	32	27	3	2.5	231.0	299.0	2200	3000	3.200
30220	7220	100	180	37	34	29	3	2.5	258.0	338.0	2100	2800	3.383
30221	7221	105	190	39	36	30	3	2.5	288.0	380.0	2000	2600	4.490
30222	7222	110	200	41	38	32	3	2.5	324.0	434.0	1900	2500	5.330

Tapered Roller bearings



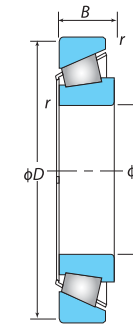
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]								LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight
										Dynamic	Static	Grease Lube	Oil Lube	KG
		d	D	T	B	C	r min	r1 min	C	Co				
30302	7302	15	42	14.25	13	11	1	1	21.9	19.2	10000	14000	0.098	
30303	7303	17	47	15.25	14	12	1	1	27.4	24.5	9200	12000	0.133	
30304	7304	20	52	16.25	16	13	1.5	1.5	36.2	35.1	8300	11000	0.179	
30305	7305	25	62	18.25	17	15	1.5	1.5	48.2	46.9	6800	9000	0.273	
30306	7306	30	72	20.75	19	16	1.5	1.5	59.6	60.1	5800	7700	0.411	
30307	7307	35	80	22.75	21	18	2	1.5	76.2	78.9	5200	6900	0.527	
30308	7308	40	90	25.25	23	20	2	1.5	90.6	101	4500	6100	0.757	
30309	7309	45	100	27.25	25	22	2	1.5	113	128	4100	5400	1.01	
30310	7310	50	110	29.25	27	23	2.5	2	137	152	3700	4900	1.32	
30311	7311	55	120	31.5	29	25	2.5	2	149	170	3300	4500	1.65	
30312	7312	60	130	33.5	31	26	3	2.5	173	201	3100	4100	2.08	
30313	7313	65	140	36	33	28	3	2.5	204	239	2800	3800	2.56	
30314	7314	70	150	38	35	30	3	2.5	230	273	2600	3500	3.08	
30315	7315	75	160	40	37	31	3	2.5	260	311	2500	3300	3.65	
30316	7316	80	170	42.5	39	33	3	2.5	294	355	2300	3100	4.46	
30317	7317	85	180	44.5	48	34	4	3	316	384	2000	2900	5.15	
30318	7318	90	190	46.5	43	36	4	3	345	420	2100	2700	6.04	
30319	7319	95	200	49.5	45	38	4	3	372	455	2000	2600	6.96	
30320	7320	100	215	51.5	47	39	4	3	422	521	1800	2400	8.49	

Tapered Roller Bearings



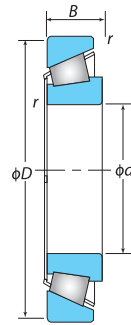
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
		d	D	T	B	C	r min	r ₁ min	Dynamic C	Static C ₀	Grease Lube	Oil Lube	
31305	27305	25	62	18.25	17	13	1.5	1.5	40.7	46.0	5600	7500	0.264
31306	27306	30	72	20.25	19	14	1.5	1.5	75.8	82.7	5300	7000	0.550
31307	27307	35	80	22.75	21	15	2.0	1.5	58.1	64.0	4500	6000	0.520
31308	27308	40	90	25.25	23	17	2.0	1.5	74.6	60.8	4000	5300	0.685
31309	27309	45	100	27.25	25	18	2.0	1.5	88.9	97.1	3400	4500	0.915
31310	27310	50	110	29.25	27	19	2.5	2.0	102.0	112.0	3200	4300	1.160
31311	27311	55	120	31.50	29	21	2.5	2.0	118.0	133.0	2800	3800	1.490
31312	27312	60	130	33.50	31	22	3.0	2.5	140.0	158.0	2600	3600	1.830
31313	27313	65	140	36.00	33	23	3.0	2.5	164.0	189.0	2200	3200	2.250
31314	27314	70	150	38.00	35	30	3.0	2.5	185.0	215.0	2000	3000	2.820
31315	27315	75	160	40.00	37	26	3.0	2.5	213.0	251.0	1900	2800	3.500
31316	27316	80	170	42.50	39	27	3.0	0.3	222.0	275.0	1900	2800	4.700
31317	27317	85	180	44.50	41	28	4.0	3.0	245.0	298.0	1800	2600	5.080
31318	27318	90	190	46.50	43	30	4.0	3.0	270.0	330.0	1700	2400	5.920
31319	27319	95	200	49.50	45	32	4.0	3.0	300.0	365.0	1700	2400	6.950
31320	27320	100	215	56.50	51	35	4.0	3.0	373.0	459.0	1500	2200	8.720

Tapered Roller Bearings



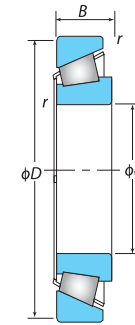
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]							LOAD RATING(kN)		LIMITING SPEED(RP		WEIGHT KG
		d	D	T	B	C	r min	r ₁ min	Dynamic C	Static C ₀	Grease Lube	Oil Lube	
32004	2007104	20	42	15	15	12	0.6	0.6	27.3	31.5	9700	13000	0.102
32005	2007105	25	47	15	15	11.5	0.6	0.6	30.2	37.7	8300	11000	0.118
32006	2007106	30	55	17	17	13	1	1	38.2	48	7000	9400	0.177
32007	2007107	35	62	18	18	14	1	1	45.5	59.4	6200	8200	0.231
32008	2007108	40	68	19	19	14.5	1	1	53.5	71.4	5600	7400	0.282
32009	2007109	45	75	20	20	15.5	1	1	62.8	86.5	5000	6600	0.354
32010	2007110	50	80	20	20	15.5	1	1	65.7	94.5	4600	6100	0.389
32011	2007111	55	90	23	23	17.5	1.5	1.5	84.6	121	4100	5500	0.569
32012	2007112	60	95	23	23	17.5	1.5	1.5	86.1	127	3900	5200	0.621
32013	2007113	65	100	23	23	17.5	1.5	1.5	90	137	3600	4800	0.664
32014	2007114	70	110	25	25	19	1.5	1.5	108	163	3300	4400	0.884
32015	2007115	75	115	25	25	19	1.5	1.5	110	169	3100	4200	0.930
32016	2007116	80	125	29	29	22	1.5	1.5	147	225	2900	3900	1.320
32017	2007117	85	130	29	29	22	1.5	1.5	150	234	2800	3700	1.380
32018	2007118	90	140	32	32	24	2	1.5	178	276	2600	3500	1.800
32019	2007119	95	145	32	32	24	2	1.5	182	287	2500	3300	1.880
32020	2007120	100	150	32	32	24	2	1.5	190	297	2000	3000	2.100
32021	2007121	105	160	35	35	26	2.5	2	204	334	1900	2800	2.420
32022	2007122	110	170	38	38	29	2.5	2	235	382	1800	2600	3.060

Tapered Roller Bearings



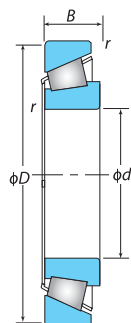
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
									Dynamic	Static	Grease Lube	Oil Lube	
		C	Co										
32203	7503	17	40	17.25	16	14	1	1	27.4	27.5	10000	14000	0.104
32204	7504	20	47	19.25	18	15	1	1	33.1	34.7	8900	12000	0.159
32205	7505	25	52	19.25	18	16	1	1	39.8	44.8	7900	11000	0.188
32206	7506	30	62	21.25	20	17	1	1	50.7	57.9	6500	8700	0.292
32207	7507	35	72	24.25	23	19	1.5	1.5	69.6	82.4	5600	7500	0.453
32208	7508	40	80	24.75	23	19	1.5	1.5	77.7	90.8	5000	6600	0.554
32209	7509	45	85	24.75	23	19	1.5	1.5	84.2	104	4600	6100	0.597
32210	7510	50	90	24.75	23	19	1.5	1.5	85	105	4300	5700	0.643
32211	7511	55	100	26.75	25	21	2	1.5	107	133	3900	5200	0.863
32212	7512	60	110	29.75	28	24	2	1.5	132	167	3500	4700	1.19
32213	7513	65	120	32.75	31	27	2	1.5	157	203	3200	4300	1.58
32214	7514	70	125	33.25	31	27	2	1.5	169	225	3100	4100	1.71
32215	7515	75	130	33.25	31	27	2	1.5	174	234	2900	3900	1.77
32216	7516	80	140	35.25	33	28	2.5	2	203	271	2700	3600	2.17
32217	7517	85	150	38.5	36	30	2.5	2	232	315	2500	3400	2.8
32218	7518	90	160	42.5	40	34	2.5	2	263	362	2400	3200	3.47
32219	7519	95	170	45.5	43	37	3	2.5	311	439	2200	3000	4.34
32220	7520	100	180	49	46	39	3	2.5	347	495	2100	2800	5.21
32222	7522	120	200	56	53	46	3	2.5	438	640	1900	2500	7.45
32224	7524	140	215	61.5	58	50	3	2.5	470	691	1700	2300	9.04

Tapered Roller bearings



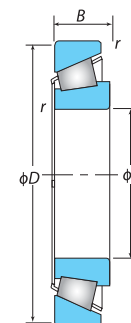
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight
									Dynamic	Static	Grease Lube	Oil Lube	KG
		d	D	T	B	C	r min	r1min	C	Co			
32303	7603	17	47	20.25	19	16	1	1	31.9	29.9	9400	13000	0.170
32304	7604	20	52	22.5	21	18	1.5	1.5	45.1	46.7	8400	11000	0.224
32305	7605	25	62	25.25	24	20	1.5	1.5	61.2	64.1	6900	9100	0.386
32306	7606	30	72	28.75	27	23	1.5	1.5	82.2	91.6	5900	7900	0.588
32307	7607	35	80	32.75	31	25	2	1.5	101.0	114.0	5300	7000	0.776
32308	7608	40	90	35.25	33	27	2	1.5	116.0	139.0	4600	6200	1.060
32309	7609	45	100	38.25	36	30	2	1.5	146.0	180.0	4100	5500	1.430
32310	7610	50	110	42.25	40	33	2.5	2	176.0	220.0	3700	5000	1.890
32311	7611	55	120	45.5	43	35	2.5	2	200.0	250.0	3400	4500	2.380
32312	7612	60	130	48.5	46	37	3	2.5	244.0	315.0	3100	4200	2.990
32313	7613	65	140	51	48	39	3	2.5	276.0	357.0	2900	3900	3.640
32314	7614	70	150	54	51	42	3	2.5	317.0	414.0	2700	3600	4.500
32315	7615	75	160	58	55	45	3	2.5	340.0	444.0	2500	3300	5.410
32316	7616	80	170	61.5	58	48	3	2.5	383.0	503.0	2300	3100	6.310
32317	7617	85	180	63.5	60	49	4	3	439.0	587.0	2200	3000	7.420
32318	7618	90	190	67.5	64	53	4	3	461.0	614.0	2100	2800	8.610
32319	7619	95	200	71.5	67	55	4	3	517.0	695.0	2000	2600	10.100
32320	7620	100	215	77.5	73	60	4	3	579.0	783.0	1800	2400	13.000

Tapered Roller bearings



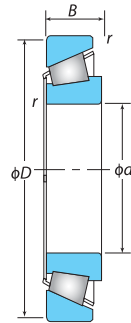
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	B	C	r min	r1min	Dynamic C	Static Co	Grease Lube	Oil Lube	
33005		25	47	17	17	14	0.6	0.6	33.5	42.3	8300	11000	0.131
33006		30	55	20	20	16	1	1	43.2	55.2	7000	9400	0.203
33007		35	62	21	20	16	1.0	1.0	40.8	53.8	6200	8200	0.250
33008		40	68	22	22	18	1.0	1.0	60.4	84.6	5500	7400	0.326
33009		45	75	24	24	19	1.0	1.0	69.6	101.0	5000	6700	0.416
33010		50	80	24	24	19	1.0	1.0	73.0	110.0	4600	6100	0.451
33011		55	90	27	27	21	1.5	1.5	96.5	149.0	4100	5400	0.672
33012		60	95	27	27	21	1.5	1.5	101.0	162.0	3900	5200	0.719
33013		65	100	27	27	21	1.5	1.5	103.0	169.0	3600	4800	0.762
33014		70	110	31	31	25.5	1.5	1.5	134.0	208.0	3300	4400	1.090
33015		75	115	31	31	25.5	1.5	1.5	141.0	225.0	3200	4200	1.160
33016		80	125	36	36	29.5	1.5	1.5	173.0	228.0	2900	3900	1.630
33017		85	130	36	36	29.5	1.5	1.5	177.0	300.0	2800	3700	1.720
33018		90	140	39	39	32.5	2.0	1.5	221.0	367.0	2600	3400	2.220
33019		95	145	39	39	32.5	2.0	1.5	226.0	382.0	2500	3300	2.310
33020		100	150	39	39	32.5	2.0	1.5	231.0	397.0	2400	3200	2.400
33021		105	160	43	43	34	2.5	2	267	461	2200	3000	3.08
33022		110	170	47	47	37	2.5	2	287	502	2100	2800	3.81

Tapered Roller bearings



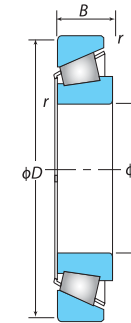
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	B	C	r min	r1min	Dynamic C	Static Co	Grease Lube	Oil Lube	
33108		40	75	26	26	20.5	1.5	1.5	82.2	108	5200	6900	0.508
33109		45	80	26	26	20.5	1.5	1.5	87.5	120	4800	6400	0.563
33110		50	85	26	26	20	1.5	1.5	89.4	127	4400	5900	0.594
33111		55	95	30	30	23	1.5	1.5	116	161	4000	5300	0.868
33112		60	100	30	30	23	1.5	1.5	118	170	3700	5000	0.923
33113		65	110	34	34	26.5	1.5	1.5	152	223	3400	4600	1.33
33114		70	120	37	37	29	2	1.5	181	266	3100	4200	1.71
33115		75	125	37	37	29	2	1.5	186	280	3000	4000	1.84
33116		80	130	37	37	29	2	1.5	191	294	2800	3800	1.93
33117		85	140	41	41	32	2.5	2	224	346	2600	3500	2.43
33118		90	150	45	45	35	2.5	2	258	413	2500	3300	3.13
33119		95	160	49	49	38	2.5	2	304	473	2300	3100	3.89
33120		100	165	52	52	40	2.5	2	325	523	2200	3000	4.29

Tapered Roller bearings



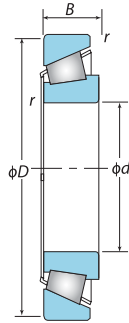
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]							LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	B	C	r min	r1min	Dynamic C	Static Co	Grease Lube	Oil Lube	
33205		25	52	22	22	18	1.0	1.0	48.9	58.5	7900	10000	0.225
33206		30	62	25	25	19.5	1.0	1.0	66.4	79.4	6500	8700	0.359
33207		35	72	28	28	22	1.5	1.5	87.6	107.0	5700	7500	0.551
33208		40	80	32	32	25	1.5	1.5	108.0	139.0	5000	6700	0.758
33209		45	85	32	32	25	1.5	1.5	112.0	149.0	4600	6200	0.818
33210		50	90	32	32	24.5	1.5	1.5	119.0	167.0	4300	5700	0.887
33211		55	100	35	35	27	2.0	1.5	142.0	189.0	3900	5200	1.180
33212		60	110	38	38	29	2.0	1.5	174.0	239.0	3600	4700	1.570
33213		65	120	41	41	32	2.0	1.5	200.0	277.0	3200	4300	2.020
33214		70	125	41	41	32	2.0	1.5	206.0	294.0	3100	4100	2.160
33215		75	130	41	41	31	2.0	1.5	212.0	310.0	2900	3900	2.260
33216		80	140	46	46	35	2.5	2.0	250.0	371.0	2700	3600	2.990
33217		85	150	49	49	37	2.5	2.0	294.0	439.0	2500	3400	3.630
33218		90	160	55	55	42	2.5	2.0	343.0	527.0	2400	3200	4.760
33219		95	170	58	58	44	3.0	2.5	374.0	852.0	2200	2900	5.660
33220		100	180	63	63	48	3.0	2.5	431.0	680.0	2100	2800	6.920

Tapered Roller bearings



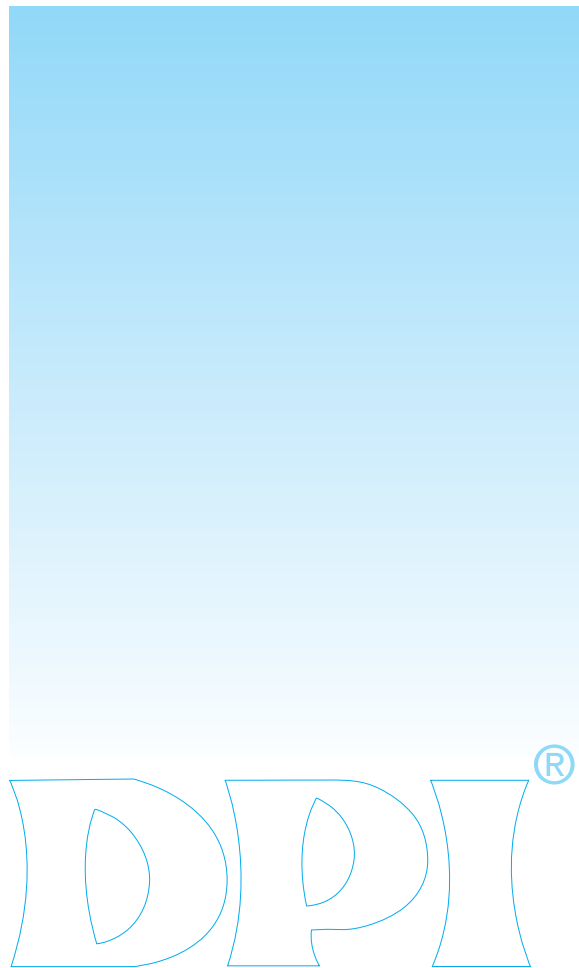
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS							LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	B	C	r min	r1min	Dynamic C	Static Co	Grease Lube	Oil Lube	
11590/20		15.875	42.862	14.288	14.288	9.525	0.8	0.8	17.6	18	8700	12000	0.103
LM11749/10		17.462	39.878	13.843	14.605	10.668	1.2	1.2	25.4	26	11000	14000	0.085
09067/195		19.050	49.225	18.034	19.050	14.228	0.6	0.6	38.5	39	8500	11000	0.179
LM11949/10		19.050	45.237	15.494	16.637	12.065	1.2	1.2	29.4	30.1	9400	13000	0.124
M12649/10		21.430	50.005	17.526	18.288	13.970	1.2	1.2	39.1	40.7	8500	11000	0.177
LM12749/11		21.987	45.974	15.494	16.637	12.065	1.2	1.2	30.1	34.6	8900	12000	0.121
LM12749/10		22.000	45.237	16.637	12.065	15.494	1.3	1.3	27.5	31	8000	11000	0.115
1280/20		22.225	57.150	22.225	22.225	17.462	0.8	1.6	52.6	55.7	7600	10000	0.293
M84548/10		25.400	57.150	19.431	19.431	14.732	1.5	1.5	38	49	7500	10000	0.237
L44649/10		26.988	50.292	14.224	14.732	10.668	3.6	1.2	31.2	37	7800	10000	0.122
320/28X		28.000	52.000	16.000	16.000	12.000	1	1	35.2	44	7500	10000	0.150
02474/20		28.575	68.262	22.225	22.225	17.462	0.8	1.6	51	61.1	6000	8000	0.408
1988/22		28.575	57.150	19.845	19.355	15.875	3.6	1.6	48.8	57.1	7000	9300	0.227
L45449/10		29.000	50.292	14.224	14.732	10.668	3.6	1.2	28.9	37.2	7600	10000	0.115
M86649/10		30.162	64.292	21.432	21.432	16.670	1.6	1.6	55.2	70.7	6400	8500	0.340
15123/245		31.750	62.000	18.161	19.050	14.288	1	1.2	44.6	50.7	6400	8600	0.238
LM67048/10		31.750	59.131	15.875	16.764	11.811	1	1.2	35.8	43.1	6600	8800	0.182
320/32X		32.000	58.000	17.000	17.000	13.000	1	1	39.2	50.6	6700	8900	0.196
M88048/10		33.338	68.262	22.225	22.225	17.462	1.5	0.8	50.9	70.4	6300	7500	0.382
25877/21		34.925	73.025	23.812	24.608	19.050	1.6	0.8	72.2	87.3	5600	7400	0.474
HM88649/10		34.925	72.233	25.400	25.400	19.842	2.4	2.4	66.9	87.4	5700	7600	0.487
LM48548/10		34.925	65.088	18.034	18.288	13.970	2.4	1.2	48	58.5	6000	8000	0.249
L68149/10		34.980	59.131	15.875	16.764	11.938	2.1	1.2	35.7	48.5	6400	8500	0.168
L68149/11		34.980	59.975	15.875	16.764	11.938	2	1.2	35.7	48.5	6400	8500	0.175
2788/20		38.100	76.200	23.812	25.654	19.050	2	1.5	730	905	5100	6800	0.499
414/418		38.100	88.500	26.988	29.083	22.225	3.5	1.5	95.5	107	4600	6100	0.840
LM29748/10		38.100	65.088	18.034	18.288	13.970	2.3	1.2	42.9	56.5	5800	7800	0.233
LM29749/10		38.100	65.088	18.034	18.288	13.970	2.3	1.3	40	57	5000	7000	0.237
LM29749/11		38.100	65.088	19.812	18.288	15.748	2.4	1.2	42.9	56.5	5800	7800	0.251
LM300849/11		41.000	68.000	17.500	18.000	13.500	3.6	1.5	46.5	60	4500	6000	0.241
11162R/300		41.275	76.200	18.009	17.384	14.288	1.6	1.6	51.6	63.3	5200	6900	0.348
18590/20		41.275	73.025	16.667	17.462	12.700	3.6	1.6	45.9	55.8	5200	6900	0.283
HM803146/10		41.275	88.900	30.162	29.370	23.020	3.6	3.2	99.6	125	4600	6100	0.892
LM501349/10		41.275	73.431	19.558	19.812	14.732	3.6	0.8	57.8	73	5200	7000	0.334
3579/3525		42.862	87.312	30.162	30.886	23.812	3.6	3	94	117	4500	5900	0.805
25580/20		44.450	82.931	23.812	25.400	19.050	3.6	1.6	760	980	4500	6000	0.560
3782/20		44.450	93.264	30.162	30.302	23.812	3.5	3.3	102	134	4000	5300	0.961
535/532		44.450	111.125	38.100	36.957	30.162	3.6	3.2	138	172	3800	5100	1.830
HM803149/10		44.450	88.900	30.162	29.370	23.020	3.6	3.2	99.6	125	4600	6100	0.843
HM903249/10		44.450	95.250	30.958	28.575	22.225	3.6	0.8	99.7	12	3700	5100	0.989
17887/31		45.230	79.985	19.842	20.638	15.080	2	1.3	55.1	70.8	4800	6300	0.402
LM102949/10		45.242	73.431	19.558	19.812	15.748	3.6	0.8	55.6	78.1	5100	6700	0.307
LM603049/11		45.242	77.788	19.842	19.842	15.080	3.6	0.8	57.1	73.5	4900	6500	0.363
3595/354A		46.038	85.000	20.638	21.692	17.462	2.4	1.2	71.8	81.7	4600	6200	0.483
25590/20		46.618	82.931	23.810	25.400	19.050	3.5	0.8	53.9	69.5	4500	6000	0.554
3695/362		47.625	88.900	20.638	22.225	16.513	3.6	1.2	74.3	87.3	4400	5800	0.537

Tapered Roller bearings (INCH)



BEARING NUMBER	FOCT	NOMINAL DIMENSIONS							LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	B	C	r min	r1min	Dynamic C	Static Co	Grease Lube	Oil Lube	
804846/10		47.625	95.250	30.162	29.370	23.020	3.6	3.2	104	140	3300	4400	0.968
84548/10		47.625	95.250	30.162	29.370	23.020	3.6	3.6	104	140	3300	4400	0.968
1LM104948/10		50.000	82.000	21.501	21.501	17.000	3	0.5	71.7	97.9	4500	6000	0.431
28580R/21		50.800	92.075	24.608	25.400	19.845	3.6	0.8	84.8	119	4200	5600	0.700
368A/362A		50.800	88.900	20.638	22.225	16.513	3.6	1.2	74.3	87.3	4400	5800	0.494
3780/20		50.800	93.264	30.162	30.302	23.812	3.6	3.2	103	137	4200	5500	0.835
1LM104949/11		50.800	82.550	21.590	22.225	16.510	3.6	1.2	61.2	84.3	4500	6000	0.131
28584R/21		52.388	92.075	24.608	25.400	19.845	3.6	0.8	84.8	119	4200	5600	0.682
539/532		53.975	107.950	36.512	36.957	28.575	3.6	3.2	138	172	3800	5100	1.460
72212/72487		53.975	123.825	36.512	32.791	25.791	2.2	2	154	188	2900	3900	2.030
387/382		57.150	98.425	21.000	21.946	17.826	2.4	0.8	80.4	101	3900	5200	0.652
387A/382A		57.150	96.838	21.000	21.946	15.875	3.6	0.8	80.4	101	3900	5200	0.603
462/453X		57.150	104.775	30.162	29.317	24.605	2.4	3.2	109	144	3700	4900	1.060
469/453X		57.150	104.775	30.162	29.317	24.605	3.6	3.2	109	144	3700	4900	1.050
3982/20		63.500	112.712	30.162	30.048	23.812	3.5	3.3	119	174	3200	4300	1.260
565/562		63.500	130.048	36.512	36.170	28.575	3.5	0.8	146	216	3000	4000	0.620
HM212047/11		63.500	122.238	38.100	38.354	29.718	7	3.3	159	146	3400	4300	1.930
6379/6320		65.088	135.755	53.975	56.007	44.450	3.6	3.2	266	357	3000	4000	3.710
212049/10		66.675	122.238	38.100	38.354	29.718	3.6	1.6	191	249	3200	4300	1.860
395A/394A		66.675	110.000	22.000	21.996	18.825	1.3	0.8	89.5	120	3200	4300	0.790
3984/20		66.675	112.712	30.162	30.048	23.812	3.6	3.3	119	174	3200	4300	1.180
HM212049/10		66.675	122.238	38.100	38.354	29.718	3.6	1.6	191	249	3200	4300	1.860
HM212049/11		66.675	122.348	38.100	38.354	29.718	3.5	3.3	159	146	3400	4200	1.850
33275/462		69.850	117.475	30.162	30.162	23.812	3.6	3.2	118	179	3200	4200	1.270
47487/20		69.850	120.000	32.545	32.545	26.195	3.6	3.2	150	218	3100	4200	1.480
482/472		69.850	120.000	29.794	29.007	24.237	3.6	2	118	161	3200	4200	1.280
566/563		69.850	127.000	36.512	36.170	28.575	3.6	3.2	156	226	3000	4000	1.890
29685/20		73.025	112.712	25.400	25.400	19.050	3.6	3.2	97	155	3200	4300	0.872
47679/20		76.200	133.350	33.338	33.338	26.195	3.6	3.3	153	235	2600	3500	1.920
575/572		76.200	139.992	36.512	36.098	28.575	3.6	3.2	175	262	2700	3600	2.410
27687/20		82.550	125.412	25.400	25.400	19.845	3.6	1.6	101	162	2900	3800	1.050
580/572		82.550	139.992	36.512	36.098	28.575	3.6	3.2	175	262	2700	3600	2.190
749/742		85.026	150.089	44.450	46.672	36.512	3.6	3.2	264	368	2500	3400	3.180
497/492		85.725	133.350	30.162	29.769	22.225	3.6	3.2	133	198	2700	3600	1.410
593/592		88.900	152.400	39.688	36.322	30.162	3.5	3.3	180	279	2300	3100	2.780
759/752		88.900	161.925	47.625	48.260	38.100	3.6	3.2	273	391	2400	3200	4.100
HM218248/10		89.974	146.975	40.000	40.000	32.500	7.1	3.6	206	310	2500	3300	2.440
598A/592A		92.075	152.400	39.688	36.322	30.162	6.4	3.3	211	315	1900	2800	2.670
594A/592A		95.250	147.638	35.717	36.322	26.192	5.2	0.8	183	287	2400	3300	2.070
683/672		95.250	168.275	41.275	41.275	30.162	3.6	3.2	224	349	2200	3000	3.680
37425/625		107.950	158.750	23.020	21.438	15.875	3.6	3.2	104	169	2200	3000	1.380
64450/700		114.300	177.800	41.275	41.275	30.162	3.6	3.2	234	380	2000	2700	3.550

This page is intentionally left blank



Spherical Roller Bearings

Spherical Roller Bearings

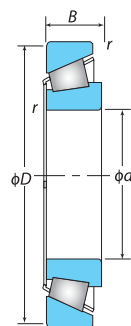
Spherical roller bearings feature a large load rating capacity and self aligning capability. The spherical roller bearing is also ideal for low or medium speed applications which involve heavy or impact loading.

DPI Spherical roller bearings are made under the most stringent quality benchmarks. Our large range of bearings provides you with all the requirements that you need for your industrial needs.

The standard cages used are pressed steel cages or with copper alloy machined cage.

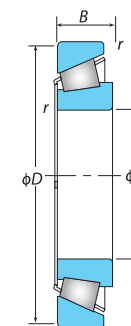
For details on boundary dimensions and specifications please refer to the tables overleaf.

Spherical Roller bearings (21300 series)



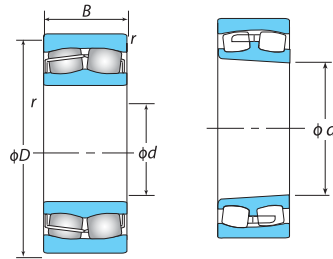
BEARING NUMBER	ГОСТ	BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)				Weight Kg	Adapter sleeve
				d	D	B	r min	C	Co	Lube	Oil		
Cylindrical bore		Tapered bore											
21306		21306K		30	72	19	1.1	51.5	49.4	5800	7800	0.420	H 306
21307		21307K		35	80	21	1.5	63.1	61.3	5000	6700	0.560	H 307
21308		21308K		40	90	23	1.5	82.8	82.2	4500	6100	0.780	H 308
21309		21309K		45	100	25	1.5	102	103	4000	5400	1.040	H 309
21310		21310K		50	110	27	2	121	124	3700	4900	1.330	H 310
21311		21311K		55	120	29	2	158	191	3300	4500	1.560	H 311
21312		21312K		60	130	31	2.1	173	204	3100	4100	1.930	H 312
21313		21313K		65	140	33	2.1	198	239	2800	3800	2.410	H 313
21314		21314K		70	150	35	2.1	312	286	2700	3500	2.950	H 314
21315		21315K		75	160	37	2.1	250	321	2500	3300	3.510	H 315
21316		21316K		80	170	39	2.1	275	339	2100	2800	4.140	H 316
21317		21317K		85	180	41	3	304	387	2200	2900	4.910	H 317
21318		21318K		90	190	43	3	347	443	2100	2800	5.710	H 318
21319		21319K		95	200	45	3	373	480	1900	2600	7.050	H 319
21320		21320K		100	215	47	3	414	528	1800	2400	8.670	H 320

Spherical Roller bearings (21300 series)



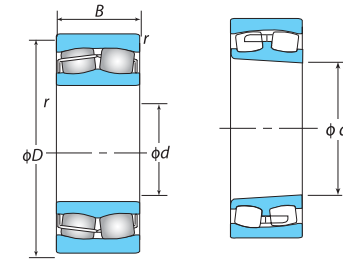
BEARING NUMBER	ГОСТ	BEARING NUMBER	ГОСТ	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)				Weight Kg	Adapter sleeve
				d	D	B	r min	C	Co	Lube	Oil		
Cylindrical bore		Tapered bore											
22205	3505	22205 K	113505	25	52	18	1	35.8	34.7	7700	10000	0.175	H 305
22206	3506	22206 K	113506	30	62	20	1	49.4	48.7	6500	8700	0.280	H 306
22207	3507	22207 K	113507	35	72	23	1.1	68.7	70.3	5500	7400	0.450	H 307
22208	3508	22208 K	113508	40	80	23	1.1	77.5	81.5	5000	6700	0.550	H 308
22209	3509	22209 K	113509	45	85	23	1.1	82.3	85.9	4600	6200	0.590	H 309
22210	3510	22210 K	113510	50	90	23	1.1	87.4	93.9	4300	5700	0.640	H 310
22211	3511	22211 K	113511	55	100	25	1.5	109	118	3800	5100	0.870	H 311
22212	3512	22212 K	113512	60	110	28	1.5	130	144	3500	4700	1.200	H 312
22213	3513	22213 K	113513	65	120	31	1.5	149	190	3200	4200	1.550	H 313
22214	3514	22214 K	113514	70	125	31	1.5	161	208	3000	4000	1.640	H 314
22215	3515	22215 K	113515	75	130	31	1.5	167	221	2900	3800	1.720	H 315
22216	3516	22216 K	113516	80	140	33	2	201	249	2700	3500	2.120	H 316
22217	3517	22217 K	113517	85	150	36	2	224	285	2500	3300	2.680	H 317
22218	3518	22218 K	113518	90	160	40	2	246	330	2300	3100	3.480	H 318
22219	3519	22219 K	113519	95	170	43	2.1	296	386	2200	2900	4.210	H 319
22220	3520	22220 K	113520	100	180	46	2.1	335	453	2100	2800	5.060	H 320
22222	3522	22222 K	113522	110	200	53	2.1	411	553	1900	2500	7.250	H 322
22224	3524	22224 K	113524	120	215	58	2.1	492	673	1700	2300	9.100	H 324
22226	3526	22226 K	113526	130	230	64	3	569	789	1600	2100	11.400	H 326
22228	3528	22228 K	113528	140	250	68	3	658	928	1400	1900	14.700	H 328
22230	3530	22230 K	113530	150	270	73	3	720	1020	1300	1800	18.100	H 330
22232	3532	22232 K	113532	160	290	80	3	885	1270	1200	1600	22.900	H 332
22234	3534	22234 K	113534	170	310	86	4	952	1390	1100	1500	28.400	H 334
22236	3536	22236 K	113536	180	320	86	4	978	1450	1100	1400	29.800	H 336
22238	3538	22238 K	113538	190	340	92	4	1110	1730	1000	1300	36.600	H 338
22240	3540	22240 K	113540	200	360	98	4	1230	1930	930	1200	44.000	H 340
22244	3544	22244 K	113544	220	400	108	4	1560	2400	820	1100	63	H 344
22248	3548	22248 K	113548	240	440	120	4	1920	2990	730	970	79.400	H 348
22252	3552	22252 K	113552	260	480	130	5	2240	3460	650	870	110.000	H 352
22256	3556	22256 K	113556	280	500	130	5	2100	3380	610	810	114.000	H 356
22260	3560	22260 K	113556	300	540	140	5	2690	4330	550	740	145.000	H 360
22264	3564	22264 K	113560	320	580	150	5	2730	4540	490	660	175.000	H 364
22268	3568	22268 K	113564	340	620	165	6	3550	5430	440	590	221.000	H 368
22272	3572	22272 K	113568	360	650	170	6	3770	5830	410	550	248.000	H 372

Spherical Roller Bearings



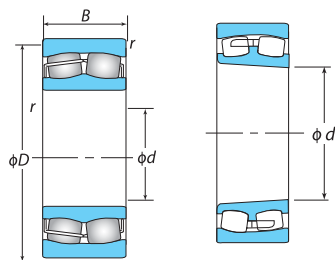
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT Kg	Adapter sleeve
Cylindrical bore		Tapered bore		d	D	B	r min	C	Co	Lube	Oil		
22307	3607	22307K	113607	35	80	31	1.5	105	107	5100	6700	0.733	H 2307
22308	3608	22308K	113608	40	90	33	1.5	125	134	4600	6100	1.020	H 2308
22309	3609	22309K	113609	45	100	36	1.5	150	156	4100	5500	1.380	H 2309
22310	3610	22310K	113610	50	110	40	2	184	203	3700	4900	1.790	H 2310
22311	3611	22311K	113611	55	120	43	2	205	241	3300	4400	2.280	H 2311
22312	3612	22312K	113612	60	130	46	2.1	239	279	3100	4100	2.850	H 2312
22313	3613	22313K	113613	65	140	48	2.1	262	309	2800	3800	3.400	H 2313
22314	3614	22314K	113614	70	150	51	2.1	311	364	2600	3500	4.110	H 2314
22315	3615	22315K	113615	75	160	55	2.1	342	412	2500	3300	5.120	H 2315
22316	3616	22316K	113616	80	170	58	2.1	392	480	2300	3100	6.100	H 2316
22317	3617	22317K	113617	85	180	60	3	397	481	2200	2900	6.990	H 2317
22318	3618	22318K	113618	90	190	64	3	458	556	2100	2800	8.300	H 2318
22319	3619	22319K	113619	95	200	67	3	504	623	1900	2600	9.720	H 2319
22320	3620	22320K	113620	100	215	73	3	579	713	1800	2400	12.200	H 2320
22322	3622	22322K	113622	110	240	80	3	713	884	1600	2200	17.700	H 2322
22324	3624	22324K	113624	120	260	86	3	812	1050	1500	2000	22.400	H 2324
22326	3626	22326K	113626	130	280	93	4	948	1200	1400	1800	28.000	H 2326
22328	3628	22328K	113628	140	300	102	4	1100	1410	1300	1700	35.500	H 2328
22330	3630	22330K	113630	150	320	108	4	1230	1600	1200	1500	42.700	H 2330
22332	3632	22332K	113632	160	340	114	4	1380	1790	1100	1400	51.000	H 2332
22334	3634	22334K	113634	170	360	120	4	1460	1920	1000	1300	60.800	H 2334
22336	3636	22336K	113636	180	380	126	4	1740	2360	920	1200	69.900	H 2336
22338	3638	22338K	113638	190	400	132	5	1900	2610	880	1200	82.400	H 2338
22340	3640	22340K	113640	200	420	138	5	2010	2750	830	1100	93.500	H 2340
22344	3644	22344K	113644	220	460	145	5	2380	3380	720	960	122.000	H 2344
22348	3648	22348K	113648	240	500	155	5	2610	4020	650	870	154.000	H 2348
22352	3652	22352K	113652	260	540	165	6	2380	4380	590	780	192.000	H 2352
22356	3656	22356K	113656	280	580	175	6	3150	4910	530	710	225.000	H 2356
22360	3660	22360K	113660	300	620	185	7.5	3910	5430	470	360	289.000	H 2360

Spherical Roller Bearings



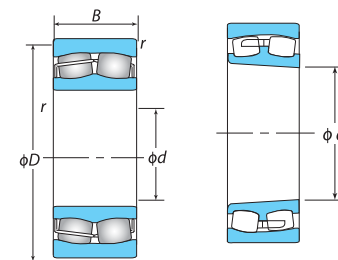
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS (mm)				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT Kg	Adapter sleeve
Cylindrical bore		Tapered bore		d	D	B	r min	C	Co	Lube	Oil		
23022	3003122	23022K	3113122	110	170	45	2	286	478	2100	2800	3.870	H 3022
23024	3003124	23024K	3113124	120	180	46	2	229	517	1900	2600	4.220	H 3024
23026	3003126	23026K	3113126	130	200	52	2	377	654	1700	2300	5.990	H 3026
23028	3003128	23028K	3113128	140	210	53	2	428	737	1600	2200	6.670	H 3028
23030	3003130	23030K	3113130	150	225	56	2.1	467	812	1500	2000	8.010	H 3030
23032	3003132	23032K	3113132	160	240	60	2.1	539	944	1400	1900	9.900	H 3032
23034	3003134	23034K	3113134	170	260	67	2.1	609	1110	1300	1700	13.000	H 3034
23036	3003136	23036K	3113136	180	280	74	2.1	710	1290	1200	1600	17.100	H 3036
23038	3003138	23038K	3113138	190	290	75	2.1	736	1370	11000	1500	18.200	H 3038
23040	3003140	23040K	3113140	200	310	82	2.1	890	1670	1000	1400	23.400	H 3040
23044	3003144	23044K	3113144	220	340	90	3	984	1890	940	1300	30.600	H 3044
23048	3003148	23048K	3113148	240	360	92	3	1100	2170	860	1100	33.800	H 3048
23052	3003152	23052K	3113152	260	400	104	4	1330	2570	760	1000	49.300	H 3052
23056	3003156	23056K	3113156	280	420	106	4	1430	2860	710	950	52.900	H 3056
23060	3003160	23060K	3113160	300	460	118	4	1750	3480	630	840	73.700	H 3060
23064	3003164	23064K	3113164	320	480	121	4	1830	3740	590	790	78.800	H 3064
23068	3003168	23068K	3113168	340	520	133	5	2130	4330	530	710	105.000	H 3068
23072	3003172	23072K	3113172	360	540	134	5	2280	4800	500	660	115.000	H 3072
23080	3003180	23080K	3113180	400	600	148	5	2710	4790	420	560	155.000	H 3080

Spherical Roller Bearings



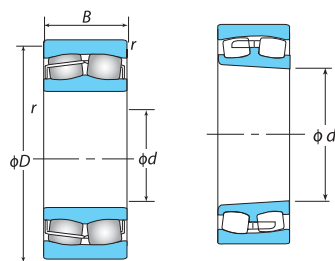
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight	Adapter sleeve
								Dynamic	Static	Grease	Oil		
Cylindrical bore		Tapered bore		d	D	B	r min	C	Co	Lube	Lube	Kg	
23120	3003720	23120K	3113720	100	165	52	2	297	493	2200	3000	4.440	H 3120
23122	3003722	23122K	3113722	110	180	56	2	346	591	2000	2700	5.580	H 3122
23124	3003724	23124K	3113724	120	200	62	2	447	760	1800	2400	8.090	H 3124
23126	3003726	23126K	3113726	130	210	64	2	506	826	1700	2200	8.820	H 3126
23128	3003728	23128K	3113728	140	225	68	2.1	561	934	1500	2100	10.500	H 3128
23130	3003730	23130K	3113730	150	250	80	2.1	689	1230	1400	1900	15.900	H 3130
23132	3003732	23132K	3113732	160	270	86	2.1	796	1380	1300	1700	19.900	H 3132
23134	3003734	23134K	3113734	170	280	88	2.1	888	1490	1200	1600	21.700	H 3134
23136	3003736	23136K	3113736	180	300	96	3	1000	1800	1100	1500	27.500	H 3136
23138	3003738	23138K	3113738	190	320	104	3	1090	2000	1000	1400	34.400	H 3138
23140	3003740	23140K	3113740	200	340	112	3	1240	2250	980	1300	42.400	H 3140
23144	3003744	23144K	3113744	220	370	120	4	1440	2700	880	1200	53.200	H 3144
23148	3003748	23148K	3113748	240	400	128	4	1630	3080	790	1100	65.600	H 3148
23152	3003752	23152K	3113752	260	440	144	4	2100	3860	710	940	90.800	H 3152
23156	3003756	23156K	3113756	280	460	146	5	2140	4280	660	880	96.900	H 3156
23160	3003760	23160K	3113760	300	500	160	5	2490	4850	590	790	128.000	H 3160
23164	3003764	23164K	3113764	320	540	176	5	2900	5700	530	700	171.000	H 3164
23168	3003768	23168K	3113768	340	580	190	5	3280	6430	480	640	216.000	H 3168
23172	3003772	23172K	3113772	360	600	192	5	3770	7440	440	590	228.000	H 3172
23180	3003780	23180K	3113780	400	650	200	6	4310	8100	390	520	255.000	H 3180

Spherical Roller Bearings



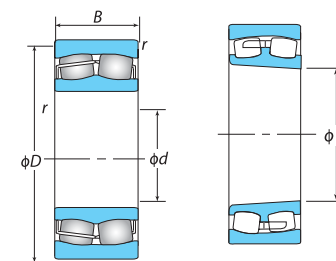
BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight	Adapter sleeve
								Dynamic	Static	Grease	Oil		
Cylindrical bore		Tapered bore		d	D	B	r min	C	Co	Lube	Lube	Kg	
23218	3003218	23218K	3113218	90	160	52.4	2	317	459	2200	3000	4.700	H 2320
23220	3003220	23220K	3113220	100	180	60.3	2.1	415	599	2100	2800	6.680	H 2320
23222	3003222	23222K	3113222	110	200	69.8	2.1	525	786	1900	2500	9.570	H 2322
23224	3003224	23224K	3113224	120	215	76	2.1	583	894	1700	2300	11.800	H 2324
23226	3003226	23226K	3113226	130	230	80	3	668	1030	1600	2100	14.000	H 2326
23228	3003228	23228K	3113228	140	250	88	3	787	1230	1500	1900	18.400	H 2328
23230	3003230	23230K	3113230	150	270	96	3	924	1470	1300	1800	23.800	H 2330
23232	3003232	23232K	3113232	160	290	104	3	1030	1650	1200	1600	30.100	H 2332
23234	3003234	23234K	3113234	170	310	110	4	1150	1870	1100	1500	36.500	H 2334
23236	3003236	23236K	3113236	180	320	112	4	1190	1980	1100	1400	38.600	H 2336
23238	3003238	23238K	3113238	190	340	120	4	1410	2210	1000	1300	46.000	H 2338
23240	3003240	23240K	3113240	200	360	128	4	1550	2610	940	1300	56.400	H 2340
23244	3003244	23244K	3113244	220	400	144	4	1880	3200	830	1100	79.200	H 2344
23248	3003248	23248K	3113248	240	440	160	4	2340	3990	730	970	107.000	H 2348
23252	3003252	23252K	3113252	260	480	174	5	2750	4640	640	860	140.000	H 2352
23256	3003256	23256K	3113256	280	500	176	5	2690	4910	610	820	149.000	H 2356
23260	3003260	23260K	3113260	300	540	192	5	3430	5910	540	720	192.000	H 2360
23264	3003264	23264K	3113264	320	580	208	5	3630	6550	500	670	249.000	H 2364
23268	3003268	23268K	3113268	340	620	224	6	4090	7560	450	600	306.000	H 2368
23272	3003272	23272K	3113272	360	650	232	6	4960	9050	410	550	328.000	H 2372
23280	3003280	23280K	3113260	400	720	256	6	5210	9850	350	470	468.000	H 2380

Spherical Roller Bearings



BEARING NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC N STATIC		RPM	WEIGHT KG
		d	D	B				
23936		180	250	52	320000	620000	1800	8.21
23938		190	260	52	310000	600000	1800	8.60
23940		200	280	60	410000	780000	1700	12.10
23944		220	300	60	410000	780000	1600	13.10
23948		240	320	60	420000	870000	1400	14.00
23952		260	360	75	930000	1350000	1300	24.00
23956		280	380	75	630000	1320000	1200	26.40
23960		300	420	90	900000	1875000	1100	40.00
23964		320	440	90	930000	2025000	1000	43.00
23968		340	460	90	950000	2100000	1000	44.00
23972		360	480	90	965000	2175000	900	47.20
23976		380	520	106	1290000	2850000	850	69.90
23980		400	540	106	1290000	2850000	800	73.00
23984		420	560	106	1320000	3100000	750	76.20
23988		440	600	118	1575000	3675000	700	101.00
23992		460	620	118	1640000	3750000	450	107.00
23996		480	650	128	1895000	4275000	425	123.00
239/500		500	670	128	1895000	4500000	425	131.00

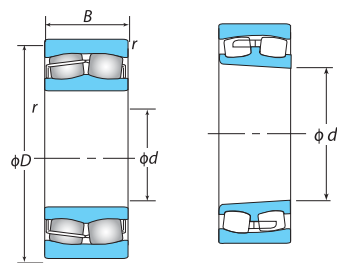
Spherical Roller Bearings



SERIES 240

BEARING NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		RPM	WT KG
		d	D	B				
24024		120	180	60	280000	500000	1700	5.48
24026		130	200	69	355000	610000	1600	8.08
24028		140	210	69	370000	675000	1500	8.57
24030		150	225	75	420000	780000	1400	10.70
24032		160	240	80	490000	900000	1200	13.00
24034		170	260	90	600000	1095000	1200	17.70
24036		180	280	100	700000	1300000	1100	23.30
24038		190	290	100	730000	1350000	1100	24.30
24040		200	310	109	840000	1590000	1000	31.00
24044		220	340	118	1020000	1950000	900	40.20
24048		240	360	118	1035000	2025000	850	43.00
24052		260	400	140	1320000	2580000	750	65.20
24056		280	420	140	1400000	2850000	700	69.00
24060		300	460	160	1760000	3560000	600	98.00
24064		320	480	160	1860000	3825000	600	103.00
24068		340	520	180	2240000	4650000	550	140.00
24072		360	540	180	2330000	4910000	500	147.00
24076		380	560	180	2370000	5100000	500	153.00
24080		400	600	200	2715000	5850000	475	202.00
24084		420	620	200	2800000	6100000	400	210.00
24088		440	650	212	3060000	6600000	375	245.00
24092		460	680	218	3270000	7100000	350	276.00
24096		480	700	218	3360000	7500000	350	285.00
240/500		500	720	218	3450000	7800000	340	295.00

Spherical Roller Bearings



SERIES 241

BEARING NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		RPM	WT KG
		d	D	B				
24122		110	180	69	345000	560000	1150	6.52
24124		120	200	80	430000	710000	1000	10.10
24126		130	210	80	440000	750000	1000	10.20
24128		140	225	85	500000	870000	930	12.40
24130		150	250	100	670000	1140000	850	18.70
24132		160	270	109	780000	1320000	750	24.30
24134		170	280	109	800000	1390000	720	25.60
24136		180	300	118	915000	1620000	680	32.10
24138		190	320	128	1050000	1875000	630	40.10
24140		200	340	140	1185000	2100000	590	50.10
24144		220	370	150	1380000	2510000	530	62.50
24148		240	400	160	1575000	2900000	500	78.80
24152		260	440	180	1960000	3600000	450	108.00
24156		280	460	180	2000000	3825000	425	114.00
24160		300	500	200	2460000	4720000	380	152.00
24164		320	540	218	2800000	5325000	360	196.00
24168		340	580	243	3495000	6480000	340	225.00
24172		380	600	243	3360000	6480000	320	265.00
24176		380	620	243	3450000	6860000	220	292.00
24180		400	650	250	3660000	7300000	200	329.00
24184		420	700	280	4310000	8550000	180	440.00
24188		440	720	280	4485000	9150000	180	456.00
24192		460	760	300	5430000	10950000	170	550.00
24196		480	790	308	5430000	11250000	160	608.00
241/500		500	830	325	6470000	12750000	150	716.00

This page is intentionally left blank



Thrust Ball Bearings

Thrust Ball Bearings

Thrust ball bearings are divided into two types:

1. Single Direction Thrust Bearings

These can accommodate axial load in one direction.

2. Double Direction Thrust Bearings

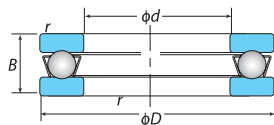
These can accommodate axial load in both directions.

Thrust bearings are not suitable for applications which require high speed or radial load.

The standard cages used are pressed steel cages or with copper alloy machined cage and in some cases also have molded cages.

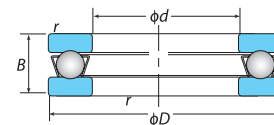
For details on boundary dimensions and specifications please refer to the tables overleaf.

Single Direction Thrust Ball Bearings



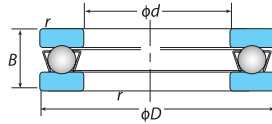
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	r	Dynamic C	Static Co	Oil Lube	Grease Lube	
51100	8100	10	24	9	0.3	10.00	14.00	6500	10000	0.020
51101	8101	12	26	9	0.3	10.30	15.40	6500	10000	0.022
51102	8102	15	28	9	0.3	10.50	16.80	6100	9400	0.024
51103	8103	17	30	9	0.3	10.80	18.20	6100	9400	0.028
51104	8104	20	35	10	0.3	14.20	24.70	5100	7900	0.040
51105	8105	25	42	11	0.6	19.50	37.20	4400	6800	0.059
51106	8106	30	47	11	0.6	20.40	42.20	4300	6600	0.068
51107	8107	35	52	12	0.6	20.40	44.70	3900	6000	0.090
51108	8108	40	60	13	0.6	26.90	62.80	3400	5000	0.120
51109	8109	45	65	14	0.6	27.80	69.10	3200	5000	0.150
51110	8110	50	70	14	0.6	28.80	75.4	3100	4800	0.160
51111	8111	55	78	16	0.6	34.80	93.10	2800	4300	0.240
51112	8112	60	85	17	1.0	41.40	113.00	2600	4000	0.290
51113	8113	65	90	18	1.0	41.70	117.00	2400	3700	0.340
51114	8114	70	95	18	1.0	43.00	125.00	2300	3600	0.360
51115	8115	75	100	19	1.0	43.20	127.00	2200	3400	0.420
51116	8116	80	105	19	1.0	44.60	141.00	2100	3300	0.430
51117	8117	85	110	19	1.0	45.90	150.00	2100	3200	0.460
51118	8118	90	120	22	1.0	59.70	190.00	1900	2900	0.680
51120	8120	100	135	25	1	85	268	1600	2500	0.990

Single Direction Thrust Ball Bearings

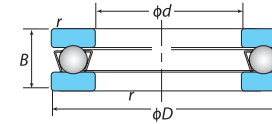


BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	r	Dynamic C	Static Co	Oil Lube	Grease Lube	
51200	8200	10	26	11	0.6	12.70	17.10	5700	8800	0.030
51201	8201	12	28	11	0.6	13.20	19.00	5400	8300	0.034
51202	8202	15	32	12	0.6	16.60	24.80	4900	7500	0.046
51203	8203	17	35	12	0.6	17.20	27.30	4900	7500	0.053
51204	8204	20	40	14	0.6	22.30	37.70	3900	6000	0.082
51205	8205	25	47	15	0.6	27.80	50.40	3600	5500	0.120
51206	8206	30	52	16	0.6	29.30	58.20	3400	5200	0.150
51207	8207	35	62	18	1.0	39.20	78.20	2900	4500	0.220
51208	8208	40	68	19	1.0	46.90	98.30	2700	4200	0.270
51209	8209	45	73	20	1.0	47.70	105.00	2600	4000	0.320
51210	8210	50	78	22	1.0	48.50	111.00	2300	3600	0.390
51211	8211	55	90	25	1.0	69.40	159.00	2100	3200	0.610
51212	8212	60	95	26	1.0	73.60	179.00	1900	3000	0.690
51213	8213	65	100	27	1.0	74.80	189.00	1900	2900	0.770
51214	8214	70	105	27	1.0	73.60	189.00	1800	2800	0.810
51215	8215	75	110	27	1.0	77.40	209.00	1800	2700	0.860
51216	8216	80	115	28	1.0	78.50	218.00	1700	2600	0.950
51217	8217	85	125	31	1.0	92.30	251.00	1500	2300	1.290
51218	8218	90	135	35	1.1	117.00	326.00	1400	2100	1.770
51220	8220	100	150	38	1.1	147	410	1200	1900	2.360

Single Direction Thrust Ball Bearings



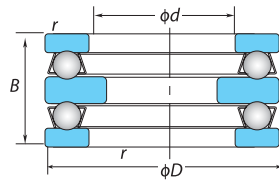
THRUST BALL BEARING SINGLE DIRECTION SERIES 514



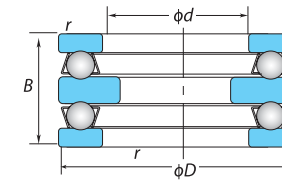
BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		WEIGHT KG
		d	D	T	B	Dynamic C	Static Co	Oil Lube	Grease Lube	
51305	8305	25	52	18	1	35.7	61.4	3100	4800	0.18
51306	8306	30	60	21	1	42.8	78.7	2700	4200	0.27
51307	8307	35	68	24	1	55.5	105	2400	3700	0.39
51308	8308	40	78	26	1	69.3	135	2100	3300	0.55
51309	8309	45	85	28	1	80	163	1900	3000	0.69
51310	8310	50	95	31	1.1	91.6	186	1800	2700	1
51311	8311	55	105	35	1.1	119	246	1600	2400	1.34
51312	8312	60	110	35	1.1	124	267	1500	2300	1.43
51313	8313	65	115	36	1.1	128	287	1400	2200	1.57
51314	8314	70	125	40	1.1	148	339	1300	2000	2.06
51315	8315	75	135	44	1.5	171	396	1200	1900	2.68
51316	8316	80	140	44	1.5	176	424	1200	1800	2.82
51317	8317	85	150	49	1.5	206	489	1100	1700	3.66
51318	8318	90	155	50	1.5	213	524	1000	1600	3.88
51320	8320	100	170	55	1.5	236	596	940	1450	5.11

BEARING NUMBER	FOCT	DIMENSIONS IN MM			LOAD RATINGS DYNAMIC & STATIC		LIMITING SPEEDRPM	WEIGHT Kg
		d	D	B	C	Co		
51405	8405	25	60	24	40000	67000	3000	0.34
51406	8406	30	70	28	54000	93000	2500	0.53
51407	8407	35	80	32	65000	117000	2200	0.79
51408	8408	40	90	36	84000	153000	2000	1.15
51409	8409	45	100	39	97000	180000	1800	1.45
51410	8410	50	110	43	119000	230000	1700	2.00
51411	8411	55	120	48	130000	270000	1500	2.65
51412	8412	60	130	51	149000	300000	1350	3.30
51413	8413	65	140	56	162000	335000	1250	4.20
51414	8414	70	150	60	175000	375000	1200	5.10
51415	8415	75	160	65	188000	420000	1100	6.35
51416	8416	80	170	68	200000	465000	1000	8.00
51417	8417	85	180	72	214000	510000	1000	9.45
51418	8418	90	190	77	230000	560000	900	11.00
51420	8420	100	210	85	278000	720000	800	14.70

Double Direction Thrust Ball Bearing



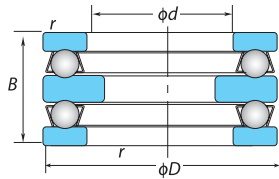
Double Direction Thrust Ball Bearing



BEARING NUMBER	GOCT	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		LIMITING SPEED RPM	WEIGHT
		d	D	B	C	Co	Grease Lube	Kg
52202	38202	10	32	22	1200	18500	5000	0.09
52204	38204	15	40	26	1600	28000	4500	0.15
52205	38205	20	47	28	20000	37000	4000	0.23
52206	38206	25	52	29	19000	35000	3600	0.28
52207	38207	30	62	34	26000	50000	3200	0.42
52208	38208	30	68	36	35000	73000	2800	0.54
52209	38209	35	73	37	27000	60000	2700	0.62
52210	38210	40	78	39	38000	80000	2500	0.71
52211	38211	45	90	45	46000	100000	2100	1.10
52212	38212	50	95	46	47000	105000	2100	1.25
52213	38213	55	100	47	48000	112000	1900	1.35
52215	38215	60	110	47	50000	120000	1800	1.65
52216	38216	65	115	48	57000	140000	1800	1.7
52217	38217	70	125	55	73000	185000	1600	2.35
52218	38218	75	135	62	89000	225000	1500	3.2
52220	38220	85	150	67	93000	240000	1300	4.3
52222	38222	95	160	67	97000	270000	1300	4.7
52224	38224	100	170	68	105000	300000	1200	5.25

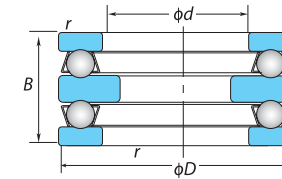
BEARING NUMBER	DIMENSION IN MM				BASIC LOAD RATINGS		RPM	Wt.
	GOCT	d	D	B	Dynamic	Static		Kgs
52305	38305	20	52	34	25000	41000	3800	0.33
52306	38306	25	60	38	28000	49000	3200	0.49
52307	38307	30	68	44	37000	66000	2900	0.71
52308	38308	30	78	49	46000	84000	2500	1.05
52309	38309	35	85	52	57000	105000	2400	1.30
52310	38310	40	95	58	66000	130000	2200	1.85
52311	38311	45	105	64	78000	155000	1800	2.50
52312	38312	50	110	64	75000	155000	1800	2.70
52313	38313	55	115	65	80000	165000	1700	2.90
52314	38314	55	125	72	100000	225000	1600	3.90
52315	38315	60	135	79	120000	270000	1400	4.85
52316	38316	65	140	79	119000	270000	1400	5.05
52317	38317	70	150	87	130000	310000	1300	6.45
52318	38318	75	155	88	150000	350000	1250	6.60
52320	38320	85	170	97	170000	420000	1200	8.90
52322	38322	95	190	110	200000	550000	1000	13.10
52324	38324	100	210	123	240000	680000	950	18.40

Double Direction Thrust Ball Bearing



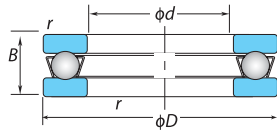
BEARING NUMBER	ГОСТ	DIMENSION IN MM			BASIC LOAD RATINGS		RPM	Wt. Kgs
		d	D	H	Dynamic	Static		
52405	38405	15	60	45	40000	70000	2600	0.630
52406	38406	20	70	52	54000	93000	2500	1.000
52407	38407	25	80	59	65000	115000	2200	1.440
52408	38408	30	90	65	84000	153000	2000	2.030
52409	38409	35	100	72	97000	180000	1800	2.710
52410	38410	40	110	78	110000	210000	1700	3.566
52411	38411	45	120	87	130000	270000	1500	4.700
52412	38412	50	130	93	149000	300000	1300	6.330
52413	38413	50	140	101	173000	370000	1200	8.030
52414	38414	55	150	107	185000	410000	1100	9.710
52415	38415	60	160	115	190000	420000	1050	11.800
52416	38416	65	170	120	200000	465000	950	14.800
52417	38417	65	180	128	215000	513000	900	18.600
52418	38418	70	190	135	230000	560000	800	20.800
52420	38420	80	210	150	258000	670000	750	28.200
52422	38422	90	230	166	325000	930000	720	37.800
52424	38424	95	250	177	340000	1000000	650	48.400
52426	38426	100	270	192	410000	1300000	600	60.100

Double Direction Thrust Ball Bearing



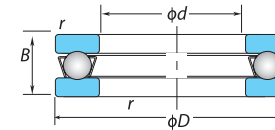
BEARING NUMBER	ГОСТ	NOMINAL DIMENSION (mm)			BASIC LOAD RATINGS		RPM	Wt. Kgs
		d	D	B	Dynamic	Static		
53202	18202	15	32	13.3	12000	18000	6000	0.046
53203	18203	17	35	13.2	13000	20000	5700	0.054
53204	18204	20	40	14.7	16000	27000	5100	0.081
53205	18205	25	47	16.7	20000	37000	4500	0.111
53206	18206	30	52	17.8	19000	35000	4100	0.139
53207	18207	35	62	19.9	26000	50000	3400	0.215
53208	18208	40	68	20.3	35000	73000	3200	0.276
53209	18209	45	73	21.3	29000	60000	3000	0.317
53210	18210	50	78	23.5	37000	80000	2900	0.378
53211	18211	55	90	27.3	46000	10000	2400	0.608
53212	18212	60	95	28.0	47000	105000	2400	0.678
53213	18213	65	100	28.7	48000	110000	2200	0.767
53214	18214	70	105	28.8	49000	120000	2200	0.793
53215	18215	75	110	28.3	50000	127000	2000	0.874
53216	18216	80	115	29.5	57000	140000	2000	0.916
53217	18217	85	125	33.1	73000	185000	1800	1.250
53218	18218	90	135	38.5	89000	225000	1700	1.700
53220	18220	100	150	40.9	93000	240000	1500	2.290

Single Direction Thrust Ball Bearings With Sphered Housing Washer



BEARING NUMBER	ГОСТ	NOMINAL DIMENSION (mm)			BASIC LOAD RATINGS		RPM	WEIGHT Kgs
		d	D	B	Dynamic	Static		
53305	18305	25	52	19.8	17000	30000	3400	0.176
53306	18306	30	60	22.6	27500	48700	3200	0.269
53307	18307	35	68	25.6	37000	66000	2900	0.383
53308	18308	40	78	28.5	46000	84000	2500	0.548
53309	18309	45	85	30.1	57000	105000	2400	0.684
53310	18310	50	95	34.4	66000	125000	2200	0.951
53311	18311	55	105	39.3	78000	156000	1800	1.290
53312	18312	60	110	38.3	75000	156000	1800	1.370
53313	18313	65	115	39.4	79000	165000	1700	1.510
53314	18314	70	125	44.2	100000	225000	1600	2.010
53315	18315	75	135	48.1	120000	270000	1400	2.610
53316	18316	80	140	47.6	119000	270000	1400	2.720
53317	18317	85	150	53.1	140000	318000	1300	3.520
53318	18318	90	155	54.6	146000	348000	1200	3.740
53320	18320	100	170	69.2	170000	420000	1200	4.880

Single Direction Thrust Ball Bearings With Sphered Housing Washer



BEARING NUMBER	ГОСТ	NOMINAL DIMENSION(mm)			BASIC LOAD RATINGS		RPM	WEIGHT Kgs
		d	D	B	Dynamic	Static		
53408	18408	40	90	38.2	84000	153000	1800	1.08
53409	18409	45	100	42.4	97000	180000	1700	1.43
53410	18410	50	110	45.6	119000	232000	1700	1.90
53411	18411	55	120	50.5	130000	250000	1500	2.52
53412	18412	60	130	54.0	150000	300000	1300	3.12
53413	18413	65	14	60.2	160000	330000	1200	3.96
53414	18414	70	150	63.6	175000	375000	1200	5.50
53415	18415	75	160	69.0	188000	420000	1100	6.85
53416	18416	80	170	72.2	200000	465000	1000	8.00
53417	18417	85	180	77.0	215000	510000	950	9.03
53418	18418	90	190	81.2	230000	560000	900	11.00
53420	18420	100	210	90.0	278000	720000	800	15.00

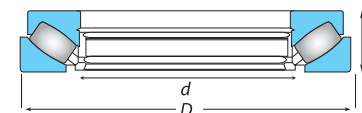
Thrust Ball Bearings

Spherical thrust roller bearings can carry high axial loads. They can also support radial load if magnitude is no more than 55% of the axial load being carried. These bearings cannot be used for high speed applications. They are usually used with oil lubrication.

The standard cages used are copper alloy machined cage and in some cases also have molded cages.

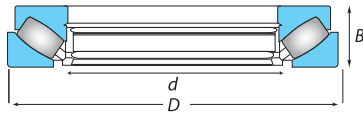
For details on boundary dimensions and specifications please refer to the tables overleaf.

Spherical Thrust Roller Bearing



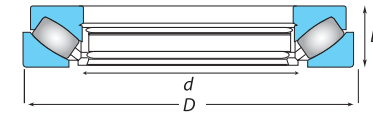
BEARING NUMBER	FOCT	DIMENSION IN MM			BASIC LOAD RATINGS		RPM	WEIGHT Kgs
		d	D	B	Dynamic	Static		
29230	9039230	150	215	39	272000	1070000	1500	4.56
29232	9039232	160	225	39	280000	1170000	1450	4.88
29234	9039234	170	240	42	300000	1250000	1400	6.02
29236	9039236	180	250	42	315000	1320000	1350	6.25
29238	9039238	190	270	48	390000	1650000	1200	8.70
29240	9039240	200	280	48	400000	1710000	1200	8.96
29244	9039244	220	300	48	410000	1800000	1100	9.03
29248	9039248	240	340	60	600000	2580000	900	16.50
29252	9039252	260	360	60.0	610000	2700000	900	18.00
29256	9039256	280	380	60	640000	3000000	850	19.00
29260	9039260	300	420	73	800000	3600000	750	30.00
29264	9039264	320	440	73	830000	3825000	700	32.50
29268	9039268	340	460	73	845000	4000000	700	33.50
29272	9039272	360	500	85	1100000	5100000	600	51.00
29276	9039276	380	520	85	1185000	5735000	600	52.00
29280	9039280	400	540	82	1205000	6000000	600	55.00
29284	9039284	420	580	95	1490000	7350000	530	72.00
29288	9039288	440	600	95	1550000	7800000	530	77.00
29292	9039292	460	620	95	1550000	7950000	500	80.00
29296	9039296	480	650	103	1760000	8850000	470	97.00
292/500	90392/500	500	670	103	1790000	9375000	470	100.00

Spherical Thrust Roller Bearings



BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED (RPM)	WEIGHT KG
						Dynamic	Static	Oil	
		d	D	B	r	C	Co	Lube	
29317	9039317	85	150	39	1.5	287	927	2600	5.91
29318	9039318	90	155	39	1.5	299	966	2500	3.06
29320	9039320	100	170	42	1.5	355	1160	2300	3.81
29322	9039322	110	190	48	2	457	1530	2000	5.56
29324	9039324	120	210	54	2.1	553	1880	1800	7.63
29326	9039326	130	225	58	2.1	643	2220	1700	9.43
29328	9039328	140	240	60	2.1	707	2490	1600	11.10
29330	9039330	150	250	60	2.1	711	2500	1550	11.60
29332	9039332	160	270	67	3	862	3070	1400	15.40
29334	9039334	170	280	67	3	880	3170	1350	16.20
29336	9039336	180	300	73	3	1030	3730	1250	20.70
29338	9039338	190	320	78	4	1170	4230	1150	25.10
29340	9039340	200	340	85	4	1360	5040	1050	31.20
29344	9039344	220	360	85	4	1380	5240	1000	33.30
29348	9039348	240	380	85	4	1410	5500	950	35.50
29352	9039352	260	420	95	5	1810	6950	850	49.10
29356	9039356	280	440	95	5.0	1840	7150	800	53.20

Spherical Thrust Roller Bearings



BEARING NUMBER	FOCT	DIMENSION IN MM			BASIC LOAD RATINGS		RPM	WEIGHT Kgs
		d	D	H	Dynamic	Static		
29412	9039412	60	130	42	226000	640000	2100	2.78
29413	9039413	65	140	45	264000	755000	1900	3.41
29414	9039414	70	150	48	290000	830000	1750	4.16
29415	9039415	75	160	51	330000	950000	1700	4.98
29416	9039416	80	170	54	370000	1100000	1500	5.95
29417	9039417	85	180	58	390000	1180000	1400	7.20
29418	9039418	90	190	60	430000	1340000	1350	8.28
29420	9039420	100	210	67	550000	1700000	1200	11.20
29422	9039422	110	230	73	670000	2100000	1100	14.78
29424	9039424	120	250	78	780000	2440000	1000	18.50
29426	9039426	130	270	85	860000	2840000	960	23.70
29428	9039428	140	280	85	880000	3000000	960	25.20
29430	9039430	150	300	90	1020000	3480000	880	30.50
29432	9039432	160	320	95	1200000	4120000	800	37.00
29434	9039434	170	340	103	1330000	4600000	750	45.00
29436	9039436	180	360	106	1470000	5000000	700	52.90
29438	9039438	190	380	115	1610000	5400000	670	62.00
29440	9039440	200	400	122	1780000	6100000	63	73.30



Housing Units

Housing Units

Housing units with bearings are divided into the following categories

1. Single Direction Thrust Bearings

These can accommodate axial load in one direction.

2. Double Direction Thrust Bearings

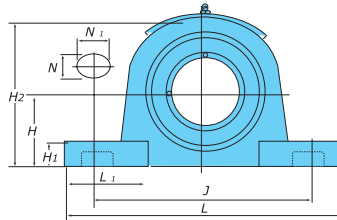
These can accommodate axial load in both directions.

Thrust bearings are not suitable for applications which require high speed or radial load.

The standard cages used are pressed steel cages or with copper alloy machined cage and in some cases also have molded cages.

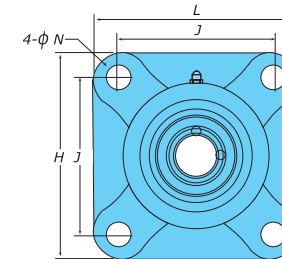
For details on boundary dimensions and specifications please refer to the tables overleaf.

Pillow Block Units



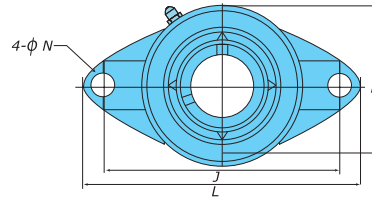
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM.	a	e	b	
UCP201		12	30.2	127	95	0.61
UCP202		15	30.2	127	95	0.61
UCP203		17	30.2	127	95	0.61
UCP204		20	33.3	127	95	0.66
UCP205		25	36.5	140	105	0.80
UCP206		30	42.9	165	121	1.30
UCP207		35	47.6	167	127	1.60
UCP208		40	49.2	184	137	2.00
UCP209		45	54.0	190	146	2.20
UCP210		50	57.2	206	159	2.90
UCP211		55	63.5	219	171	3.60
UCP212		60	69.8	241	184	4.90
UCP213		65	76.2	265	203	5.90
UCP214		70	79.4	266	210	6.80
UCP215		75	82.6	275	217	7.40
UCP216		80	88.9	292	232	9.00
UCP217		85	95.2	310	247	10.80
UCP218		90	101.6	327	262	13.90

Square Flange Units



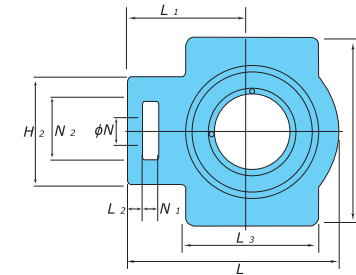
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.		WEIGHT Kg.
		MM (d)	H	J	
UCF201		12	86	64	0.62
UCF202		15	86	64	0.62
UCF203		17	86	64	0.62
UCF204		20	86	64	0.62
UCF205		25	95	70	0.83
UCF206		30	108	83	1.10
UCF207		35	117	92	1.50
UCF208		40	130	102	1.90
UCF209		45	137	105	2.20
UCF210		50	143	111	2.50
UCF211		55	162	130	3.40
UCF212		60	175	143	4.20
UCF213		65	187	149	5.20
UCF214		70	193	152	5.90
UCF215		75	200	159	6.40
UCF216		80	208	165	7.30
UCF217		85	220	175	8.90
UCF218		90	235	187	11.40

Two Bolt Flange Units



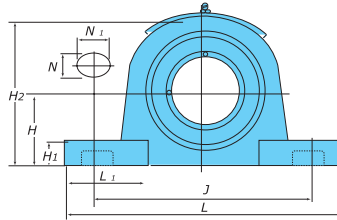
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM (d)	H	J	L	
UCFL201		12	113	90	60	0.48
UCFL202		15	113	90	60	0.48
UCFL203		17	113	90	60	0.48
UCFL204		20	113	90	60	0.48
UCFL205		25	130	99	68	0.64
UCFL206		30	148	117	80	0.93
UCFL207		35	161	130	90	1.20
UCFL208		40	175	144	100	1.60
UCFL209		45	188	148	108	1.90
UCFL210		50	197	157	115	2.20
UCFL211		55	224	184	130	3.30
UCFL212		60	250	202	140	4.20
UCFL213		65	258	210	155	5.10
UCFL214		70	265	216	160	5.70
UCFL215		75	275	225	165	6.40
UCFL216		80	290	233	180	7.80
UCFL217		85	305	248	190	9.80
UCFL218		90	320	265	205	12.30

Take-up Units



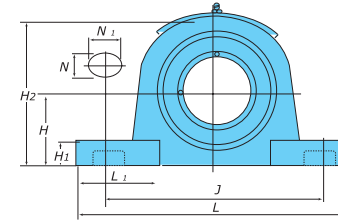
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM.	a	w	h	
UCT201		12	89	94	61	0.79
UCT202		15	89	94	61	0.79
UCT203		17	89	94	61	0.79
UCT204		20	89	94	61	0.79
UCT205		25	89	97	62	0.84
UCT206		30	102	113	70	1.30
UCT207		35	102	129	78	1.60
UCT208		40	114	144	88	2.50
UCT209		45	117	144	87	2.40
UCT210		50	117	149	90	2.60
UCT211		55	146	171	106	4.00
UCT212		60	146	194	119	4.90
UCT213		65	167	224	137	6.90
UCT214		70	167	224	137	7.00
UCT215		75	167	232	140	7.30
UCT216		80	184	235	140	8.20
UCT217		85	198	260	162	11.00

Pillow Block Units



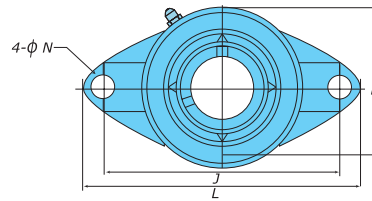
Bearing Number	SHAFT DIA (Inch)				Weight KG
	d	a	e	b	
UCP 201 -8	1/2	1 3/8	5	3 3/4	0.61
UCP 202 -9	9/16	1 3/8	5	3 3/4	0.61
UCP 202 -10	5/8	1 3/8	5	3 3/4	0.61
UCP 203 -11	11/16	1 3/8	5	3 3/4	0.61
UCP 204 -12	3/4	1 5/16	5	3 3/4	0.66
UCP 205 -14	7/8	1 7/16	5 1/2	4 1/8	0.80
UCP 205 -15	15/16	1 7/16	5 1/2	4 1/8	0.80
UCP 205 -16	1	1 7/16	5 1/2	4 1/8	0.80
UCP 206 -17	1 1/16	1 11/16	6 1/2	4 3/4	1.30
UCP 206 -18	1 1/8	1 11/16	6 1/2	4 3/4	1.30
UCP 206 -19	1 3/16	1 11/16	6 1/2	4 3/4	1.30
UCP 207 -20	1 1/4	1 7/8	6 9/16	5	1.60
UCP 207 -21	1 5/16	1 7/8	6 9/16	5	1.60
UCP 207 -22	1 3/8	1 7/8	6 9/16	5	1.60
UCP 207 -23	1 7/16	1 7/8	6 9/16	5	1.60
UCP 208-24	1 1/2	1 15/16	7 1/4	5 3/8	2.00
UCP 208-25	1 9/16	1 15/16	7 1/4	5 3/8	2.00
UCP 209-26	1 5/8	2 1/8	7 1/2	5 3/4	2.20
UCP 209-27	1 11/16	2 1/8	7 1/2	5 3/4	2.20
UCP 209-28	1 3/4	2 1/8	7 1/2	5 3/4	2.20
UCP 210-30	1 7/8	2 1/4	8 1/8	6 1/4	2.90
UCP 210-31	1 15/16	2 1/4	8 1/8	6 1/4	2.90
UCP 211-32	2	2 1/2	8 5/8	6 3/4	3.60
UCP 211-34	2 1/8	2 1/2	8 5/8	6 3/4	3.60
UCP 211-35	2 3/16	2 1/2	8 5/8	6 3/4	3.60
UCP 212-36	2 1/4	2 3/4	9 1/2	7 1/4	4.90
UCP 212-38	2 3/8	2 3/4	9 1/2	7 1/4	4.90
UCP 212-39	2 7/16	2 3/4	9 1/2	7 1/4	4.90
UCP 213-40	2 1/2	3	10 7/16	8	5.90
UCP 214-44	2 3/4	3 1/8	10 1/2	8 1/4	6.80
UCP 215-48	3	3 1/4	10 11/16	8 1/2	7.40

Square Flange Units



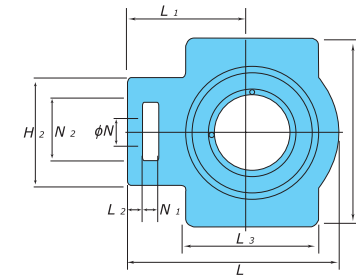
Bearing Number	SHAFT DIA (Inch)			Weight KG
	d	a	e	
UCF 201-8	1/2	3 3/8	2 1/2	0.62
UCF 202-9	9/16	3 3/8	2 1/2	0.62
UCF 202-10	5/8	3 3/8	2 1/2	0.62
UCF 203-11	11/16	3 3/8	2 1/2	0.62
UCF 204-12	3/4	3 3/8	2 1/2	0.62
UCF 205-14	7/8	3 3/4	2 3/4	0.83
UCF 205-15	15/16	3 3/4	2 3/4	0.83
UCF 205-16	1	3 3/4	2 3/4	0.83
UCF 206-17	1 1/16	4 1/4	3 1/4	1.10
UCF 206-18	1 1/8	4 1/4	3 1/4	1.10
UCF 206-19	1 3/16	4 1/4	3 1/4	1.10
UCF 207-20	1 1/4	4 5/8	3 5/8	1.50
UCF 207-21	1 5/16	4 5/8	3 5/8	1.50
UCF 207-22	1 3/8	4 5/8	3 5/8	1.50
UCF 207-23	1 7/16	4 5/8	3 5/8	1.50
UCF 208 - 24	1 1/2	5 1/8	4	1.90
UCF 208 - 25	1 9/16	5 1/8	4	1.90
UCF 209 - 26	1 5/8	5 3/8	4 1/8	2.20
UCF 209 - 27	1 11/16	5 3/8	4 1/8	2.20
UCF 209 - 28	1 3/4	5 3/8	4 1/8	2.20
UCF 210-30	1 7/8	5 5/8	4 3/8	2.50
UCF 210-31	1 15/16	5 5/8	4 3/8	2.50
UCF 211-32	2	6 3/8	5 1/8	3.40
UCF 211-34	2 1/8	6 3/8	5 1/8	3.40
UCF 211-35	2 3/16	6 3/8	5 1/8	3.40
UCF 212-36	2 1/4	6 7/8	5 5/8	4.20
UCF 212-38	2 3/8	6 7/8	5 5/8	4.20
UCF 212-39	2 7/16	6 7/8	5 5/8	4.20
UCF 213-40	2 1/2	7 3/8	5 7/8	5.20
UCF 214-44	2 3/4	7 5/8	6	5.90
UCF 215-48	3	7 7/8	6 1/4	6.40
UCF 216-50	3 1/8	8 3/16	6 1/2	7.30
UCF 217-52	3 1/4	8 11/16	6 7/8	8.90
UCF 218-56	3 1/2	9 1/4	7 3/8	11.40

Two Bolt Flange Units



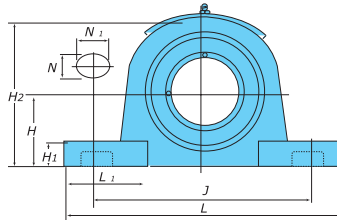
BEARING NUMBER	SHAFT DIA (Inch)				Weight Kg
	d	a	e	b	
UCFL 201-8	1/2	4 7/16	3 35/64	2 3/8	0.48
UCFL 202-9	9/16	4 7/16	3 35/64	2 3/8	0.48
UCFL 202-10	5/8	4 7/16	3 35/64	2 3/8	0.48
UCFL 203-11	11/16	4 7/16	3 35/64	2 3/8	0.48
UCFL 204-12	3/4	4 7/16	3 35/64	2 3/8	0.48
UCFL 205-14	7/8	5 1/8	3 57/64	2 11/16	0.64
UCFL 205-15	15/16	5 1/8	3 57/64	2 11/16	0.64
UCFL 205-16	1	5 1/8	3 57/64	2 11/16	0.64
UCFL 206-17	1 1/16	5 13/16	4 39/64	3 1/8	0.93
UCFL 206-18	1 1/8	5 13/16	4 39/64	3 1/8	0.93
UCFL 206-19	1 3/16	5 13/16	4 39/64	3 1/8	0.93
UCFL 207-20	1 1/4	6 5/16	5 1/8	3 9/16	1.20
UCFL 207-21	1 5/16	6 5/16	5 1/8	3 9/16	1.20
UCFL 207-22	1 3/8	6 5/16	5 1/8	3 9/16	1.20
UCFL 207-23	1 7/16	6 5/16	5 1/8	3 9/16	1.20
UCFL 208 - 24	1 1/2	6 7/8	5 43/64	3 15/16	1.60
UCFL 208 - 25	1 9/16	6 7/8	5 43/64	3 15/16	1.60
UCFL 209 - 26	1 5/8	7 3/8	5 53/64	4 1/4	1.90
UCFL 209 - 27	1 11/16	7 3/8	5 53/64	4 1/4	1.90
UCFL 209 - 28	1 3/4	7 3/8	5 53/64	4 1/4	1.90
UCFL 210-30	1 7/8	7 3/4	6 3/16	4 1/2	2.20
UCFL 210-31	1 15/16	7 3/4	6 3/16	4 1/2	2.20
UCFL 211-32	2	8 13/16	7 1/4	5 1/8	3.30
UCFL 211-34	2 1/8	8 13/16	7 1/4	5 1/8	3.30
UCFL 211-35	2 3/16	8 13/16	7 1/4	5 1/8	3.30
UCF 212-36	2 1/4	9 13/16	7 61/64	5 1/2	4.20
UCF 212-38	2 3/8	9 13/16	7 61/64	5 1/2	4.20
UCF 212-39	2 7/16	9 13/16	7 61/64	5 1/2	4.20
UCF 213-40	2 1/2	10 13/16	8 17/64	6 1/8	5.10
UCF 214-44	2 3/4	10 7/16	8 1/2	6 5/16	5.70
UCF 215-48	3	10 13/16	8 55/64	6 1/2	6.40
UCF 216-50	3 1/8	11 7/16	9 11/64	7 1/16	7.80
UCF 217-52	3 1/4	12	9 49/64	7 1/2	9.80
UCF 218-56	3 1/2	12 5/8	10 7/16	8 1/16	12.30

Take-up Units



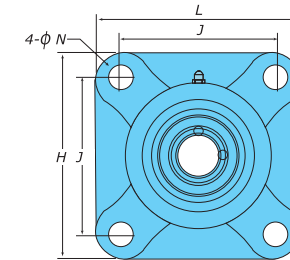
BEARING NUMBER	SHAFT DIA (Inch)				Weight KG
	d	a	e	b	
UCT 201-8	1/2	3 1/2	3 11/16	2 13/32	0.79
UCT 202-9	9/16	3 1/2	3 11/16	2 13/32	0.79
UCT 202-10	5/8	3 1/2	3 11/16	2 13/32	0.79
UCT 203-11	11/16	3 1/2	3 11/16	2 13/32	0.79
UCT 204-12	3/4	3 1/2	3 11/16	2 13/32	0.79
UCT 205-14	7/8	3 1/2	3 11/16	2 7/16	0.84
UCT 205-15	15/16	3 1/2	3 11/16	2 7/16	0.84
UCT 205-16	1	3 1/2	3 11/16	2 7/16	0.84
UCT 206-17	1 1/16	4	4 7/16	2 3/4	1.30
UCT 206-18	1 1/8	4	4 7/16	2 3/4	1.30
UCT 206-19	1 3/16	4	4 7/16	2 3/4	1.30
UCT 207-20	1 1/4	4	5 1/16	3 1/16	1.60
UCT 207-21	1 5/16	4	5 1/16	3 1/16	1.60
UCT 207-22	1 3/8	4	5 1/16	3 1/16	1.60
UCT 207-23	1 7/16	4	5 1/16	3 1/16	1.60
UCT 208 - 24	1 1/2	4 1/2	5 11/16	3 15/32	2.50
UCT 208 - 25	1 9/16	4 1/2	5 11/16	3 15/32	2.50
UCT 209 - 26	1 5/8	4 5/8	5 11/16	3 7/16	2.40
UCT 209 - 27	1 11/16	4 5/8	5 11/16	3 7/16	2.40
UCT 209 - 28	1 3/4	4 5/8	5 11/16	3 7/16	2.40
UCT 210-30	1 7/8	4 5/8	5 7/8	3 17/32	2.60
UCT 210-31	1 15/16	4 5/8	5 7/8	3 17/32	2.60
UCT 211-32	2	5 3/4	6 3/4	4 3/16	4.00
UCT 211-34	2 1/8	5 3/4	6 3/4	4 3/16	4.00
UCT 211-35	2 3/16	5 3/4	6 3/4	4 3/16	4.00
UCT 212-36	2 1/4	5 3/4	7 5/8	4 11/16	4.90
UCT 212-37	2 3/8	5 3/4	7 5/8	4 11/16	4.90
UCT 212-38	2 7/16	5 3/4	7 5/8	4 11/16	4.90
UCT 213-40	2 1/2	6 9/16	8 13/16	5 13/32	6.90
UCT 214-44	2 3/4	6 9/16	8 13/16	5 13/32	7.00
UCT 215-48	3	6 9/16	9 1/8	5 1/2	7.30
UCT 216-50	3 1/8	7 1/4	9 1/4	5 1/2	8.20
UCT 217-52	3 1/4	7 13/16	10 1/4	6 3/8	11.00

Pillow Block Units



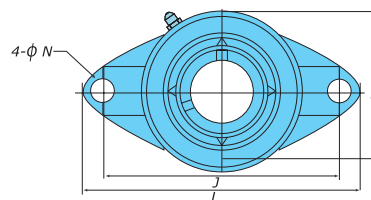
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM.	h	a	e	
UCP 305		25	45	175	132	1.60
UCP 306		30	50	180	140	1.90
UCP 307		35	56	210	160	2.70
UCP 308		40	60	220	170	3.30
UCP 309		45	67	245	190	4.50
UCP 310		50	75	275	212	6.20
UCP 311		55	80	310	236	7.70
UCP 312		60	85	330	250	9.30
UCP 313		65	90	340	260	9.80
UCP 314		70	95	360	280	11.40
UCP 315		75	100	380	290	13.60
UCP 316		80	106	400	300	16.40
UCP 317		85	112	420	320	18.60
UCP 318		90	118	430	330	20.90
UCP 319		95	125	470	360	26.50
UCP 320		100	140	490	380	34.30

Square Flange Units



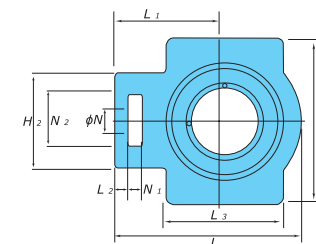
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.		WEIGHT Kg.
		MM.	a	e	
UCF 305		25	110	80	1.20
UCF 306		30	125	95	1.70
UCF 307		35	135	100	2.10
UCF 308		40	150	112	2.90
UCF 309		45	160	125	3.60
UCF 310		50	175	132	4.70
UCF 311		55	185	140	5.70
UCF 312		60	195	150	6.80
UCF 313		65	208	166	7.80
UCF 314		70	226	178	9.60
UCF 315		75	236	184	11.70
UCF 316		80	250	196	13.70
UCF 317		85	260	204	15.20
UCF 318		90	280	216	18.80
UCF 319		95	290	228	20.70
UCF 320		100	310	242	24.80

Two Bolt Flange Units



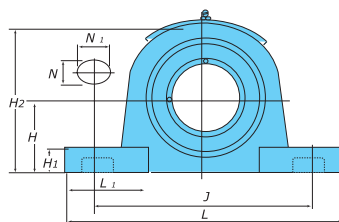
BEARING NUMBER	ГОТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM.	a	e	b	
UCFL 305		25	150	113	80	1.10
UCFL 306		30	180	134	90	1.50
UCFL 307		35	185	141	100	1.80
UCFL 308		40	200	158	112	2.40
UCFL 309		45	230	177	125	3.40
UCFL 310		50	240	187	140	4.30
UCFL 311		55	250	198	150	5.10
UCFL 312		60	270	212	160	6.20
UCFL 313		65	295	240	175	7.40
UCFL 314		70	315	250	185	9.00
UCFL 315		75	320	260	195	10.00
UCFL 316		80	355	285	210	12.60
UCFL 317		85	370	300	220	14.50
UCFL 318		90	385	315	235	17.10
UCFL 319		95	405	330	250	21.80
UCFL 320		100	440	360	270	26.50

Take-up Units



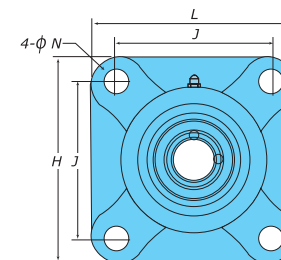
BEARING NUMBER	ГОТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM.	a	w	h	
UCT 305		25	89	122	76	1.40
UCT 306		30	100	137	85	1.80
UCT 307		35	111	150	94	2.40
UCT 308		40	124	162	100	3.00
UCT 309		45	138	178	110	4.10
UCT 310		50	151	191	117	5.20
UCT 311		55	163	207.0	127	6.40
UCT 312		60	178	220	135	7.60
UCT 313		65	190	238	146	9.20
UCT 314		70	202	252	155	11.20
UCT 315		75	216	262	160	13.00
UCT 316		80	230	282	174	15.60
UCT 317		85	240	298	183	19.30
UCT 318		90	225	312	192	21.20
UCT 319		95	270	322	197	24.40
UCT 320		100	290	345	210	30.60

Pillow Block Units



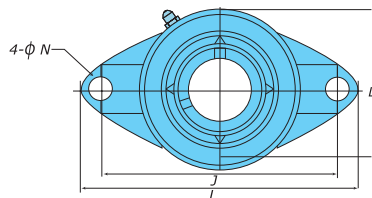
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		INCH d	H	L	J	
UCP 305 -14		7/8	1 49/64	6 7/8	5 1/4	1.60
UCP 305 -16		1	1 49/64	6 7/8	5 1/4	1.60
UCP 306 -18		1 1/8	1 31/32	7 1/16	5 1/2	1.90
UCP 307 -20		1 1/4	2 13/64	8 1/4	6 1/4	2.70
UCP 307 -22		1 3/8	2 13/64	8 1/4	6 1/4	2.70
UCP 308 -24		1 1/2	2 23/64	8 11/16	6 3/4	3.30
UCP 309 -26		1 5/8	2 41/64	9 5/8	7 1/2	4.50
UCP 309 -28		1 3/4	2 41/64	9 5/8	7 1/2	4.50
UCP 310 -30		1 7/8	2 61/64	10 13/16	8 3/8	6.20
UCP 311 -32		2	3 5/32	12 3/16	9 1/4	7.70
UCP 311 -34		2 1/8	3 5/32	12 3/16	9 1/4	7.70
UCP 312 -36		2 1/4	3 11/32	13	9 7/8	9.30
UCP 312 -38		2 3/8	3 11/32	13	9 7/8	9.30
UCP 313 -40		2 1/2	3 35/64	13 3/8	10 1/4	9.80
UCP 314 -44		2 3/4	3 47/64	4 3/16	11	11.40
UCP 315 -48		3	3 15/16	15	11 3/8	13.60
UCP 316 -50		3 1/8	4 11/64	15 3/4	11 3/4	16.40
UCP 317 -52		3 1/4	4 13/32	16 9/16	12 5/8	18.00
UCP 318 -56		3 1/2	4 41/64	16 15/16	13	20.90
UCP 319 -60		3 3/4	4 59/64	18 1/2	14 1/8	26.50
UCP 320 -64		4	5 33/64	19 5/16	15	34.30

Square Flange Units



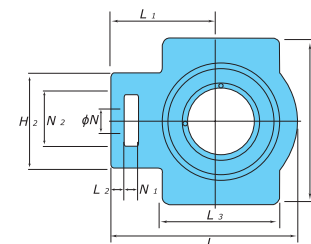
BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - INCH.		WEIGHT Kg.
		INCH. (d)	L	J	
UCF 305 -14		7/8	4 5/16	3 5/32	1.20
UCF 305 -16		1	4 5/16	3 5/32	1.20
UCF 306 -18		1 1/8	4 15/16	3 47/64	1.56
UCF 307 -20		1 1/4	5 5/16	3 15/16	2.10
UCF 307 -22		1 3/8	5 5/16	3 15/16	2.10
UCF 308 -24		1 1/2	5 7/8	4 13/32	2.90
UCF 309 -26		1 5/8	6 5/16	4 59/64	3.60
UCF 309 -28		1 3/4	6 5/16	4 59/64	3.60
UCF 310 -30		1 7/8	6 7/8	5 13/64	4.70
UCF 311 -32		2	7 5/16	5 33/64	5.70
UCF 311 -34		2 1/8	7 5/16	5 33/64	5.70
UCF 312 -36		2 1/4	7 11/16	5 29/32	6.80
UCF 312 -38		2 3/8	7 11/16	5 29/32	6.80
UCF 313 -40		2 1/2	8 3/16	6 17/32	7.80
UCF 314 -44		2 3/4	8 7/8	7 1/64	9.60
UCF 315 -48		3	9 5/16	7 1/4	11.70
UCF 316 -50		3 1/8	9 11/16	7 23/32	13.70
UCF 317 -52		3 1/4	10 1/4	8 1/32	15.20
UCF 318 -56		3 1/2	11	8 1/2	18.80
UCF 319 -60		3 3/4	11 7/16	8 31/32	20.70
UCF 320 -64		4	12 3/16	9 17/32	24.80

Two Bolt Flange Units



BEARING NUMBER	ГОТ	SHAFT DIA	DIMENSIONS IN - INCH.			WEIGHT Kg.
		INCH. (d)	H	J	L	
UCFL 305 -14		7/8	5 7/8	4 29/64	3 1/8	1.10
UCFL 305 -16		1	5 7/8	4 29/64	3 1/8	1.10
UCFL 306 -18		1 1/8	7 1/16	5 9/32	3 9/16	1.50
UCFL 307 -20		1 1/4	7 5/16	5 35/64	3 15/16	1.80
UCFL 307 -22		1 3/8	7 5/16	5 35/64	3 15/16	1.80
UCFL 308 -24		1 1/2	7 7/8	6 7/32	4 7/16	2.40
UCFL 309 -26		1 5/8	9 1/16	6 31/32	4 15/16	3.40
UCFL 309 -28		1 3/4	9 1/16	6 31/32	4 15/16	3.40
UCFL 310 -30		1 7/8	9 7/16	7 23/64	5 1/2	4.30
UCFL 311 -32		2	9 13/16	7 51/64	5 7/8	5.10
UCFL 311 -34		2 1/8	9 13/16	7 51/64	5 7/8	5.10
UCFL 312 -36		2 1/4	10 5/8	8 11/32	6 5/16	6.20
UCFL 312 -38		2 3/8	10 5/8	8 11/32	6 5/16	6.20
UCFL 313 -40		2 1/2	11 5/8	2 29/64	6 7/8	7.40
UCFL 314 -44		2 3/4	12 3/8	9 27/32	7 5/16	9.00
UCFL 315 -48		3	12 5/8	10 15/64	7 11/16	10.00
UCFL 316 -50		3 1/8	14	11 3/16	8 1/4	12.60
UCFL 317 -52		3 1/4	14 9/16	11 13/16	8 11/16	14.50
UCFL 318 -56		3 1/2	15 3/16	12 13/32	9 1/4	17.10
UCFL 319 -60		3 3/4	15 15/16	12 63/64	9 13/16	21.80
UCFL 320 -64		4	17 5/16	14 11/64	10 5/8	26.50

Take - Up Units Inch Dimensions



BEARING NUMBER	ГОТ	SHAFT DIA	DIMENSIONS IN - INCH.			Wt. Kg.
		INCH (d)	H	L	L1	
UCT 305 -14		7/8	3 1/2	4 13/16	3	1.40
UCT 305 -16		1	3 1/2	4 13/16	3	1.40
UCT 306 -18		1 1/8	4	5 3/8	3 11/32	1.80
UCT 307 -20		1 1/4	4 3/8	5 7/8	3 11/16	2.40
UCT 307 -22		1 3/8	4 3/8	5 7/8	3 11/16	2.40
UCT 308 -24		1 1/2	4 7/8	6 3/8	3 15/16	3.00
UCT 309 -26		1 5/8	5 7/16	7	4 11/32	4.10
UCT 309 -28		1 3/4	5 7/16	7	4 11/32	4.10
UCT 310 -30		1 7/8	5 15/16	7 1/2	4 19/32	5.20
UCT 311 -32		2	6 7/16	8 1/8	5	6.40
UCT 311 -34		2 1/8	6 7/16	8 1/8	5	6.40
UCT 312 -36		2 1/4	7	8 11/16	5 5/16	7.60
UCT 312 -38		2 3/8	7	8 11/16	5 5/16	7.60
UCT 313 -40		2 1/2	7 1/2	9 3/8	5 3/4	9.20
UCT 314 -44		2 3/4	7 15/16	9 15/16	6 3/32	11.20
UCT 315 -48		3	8 1/2	10 5/16	6 5/16	13.00
UCT 316 -50		3 1/8	9 1/16	11 1/8	6 27/32	15.60
UCT 317 -52		3 1/4	9 7/16	11 3/4	7 7/32	19.30
UCT 318 -56		3 1/2	10 1/16	12 5/16	7 9/16	21.20
UCT 319 -60		3 3/4	10 5/8	12 11/16	7 3/4	24.40
UCT 320 -64		4	11 7/16	13 9/16	8 9/32	30.60

Plummer Blocks

Plummer Blocks

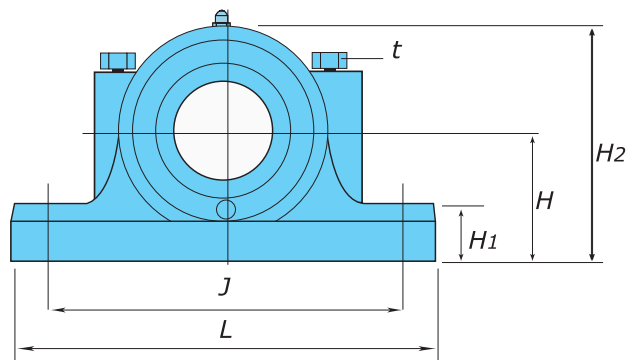
These consist of self-aligning ball bearings or spherical roller bearings and a housing in which the bearings are installed. The housing varies in shape. Having a large load carrying capacity and being easy to handle they are used in wide variety of industrial machines.

DPI®



Plummer Block Housings

Series : SN 2

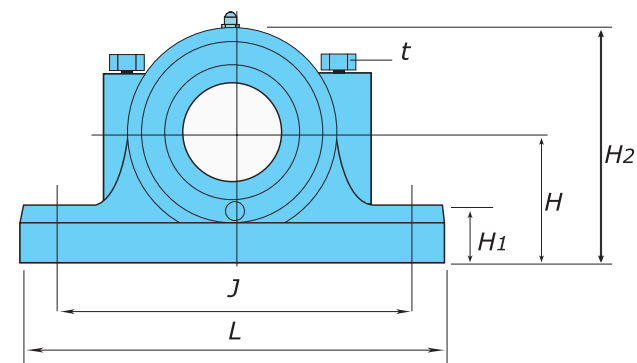


BEARING NUMBER	SHAFT DIA MM.	DIMENSIONS IN - MM.				WEIGHT Kg.
		L	H	H2		
SN 205	25	165	40	75		1.10
SN 206	30	185	50	90		1.70
SN 207	35	185	50	95		1.90
SN 208	40	205	60	110		2.60
SN 209	45	205	60	112		2.80
SN 210	50	205	60	115		3.00
SN 211	55	255	70	130		4.50
SN 212	60	255	70	135		5.00
SN 213	65	275	80	150		5.60
SN 214	70	275	80	155		6.20
SN 215	75	280	80	155		7.00
SN 216	80	315	95	175		9.00
SN 217	85	320	95	185		10.00
SN 218	90	345	100	195		13.00
SN 219	95	345	112	210		15.00
SN 220	100	380	112	223		19.00
SN 222	110	410	125	245		20.00
SN 224	120	410	140	270		25.00
SN 226	130	445	150	290		30.00
SN 228	140	500	150	305		38.00
SN 230	150	530	160	325		46.00

Plummer Block Housings

Metric Dimensions

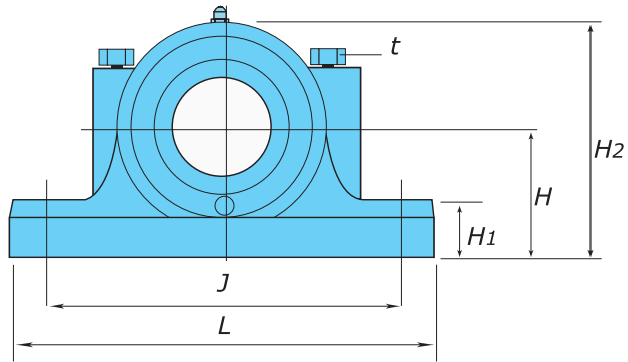
series : SN 5



BEARING NUMBER	SHAFT DIA MM	DIMENSIONS IN - MM			WEIGHT Kg
		L	H	H2	
SN 505	20	165	40	75	1.200
SN 506	25	185	50	90	1.700
SN 507	30	185	50	95	2.000
SN 508	35	205	60	110	2.700
SN 509	40	205	60	112	2.900
SN 510	45	205	60	115	3.200
SN 511	50	255	70	130	4.200
SN 512	55	255	70	135	4.800
SN 513	60	275	80	150	5.600
SN 515	65	280	80	155	6.900
SN 516	70	315	95	175	8.800
SN 517	75	320	95	185	9.500
SN 518	80	345	100	195	13.000
SN 519	85	345	112	210	15.000
SN 520	90	380	112	223	19.000
SN 522	100	410	125	245	20.200
SN 524	110	410	140	270	23.200
SN 526	115	445	150	290	29.000
SN 528	125	500	150	305	36.500
SN 530	135	530	160	325	43.600

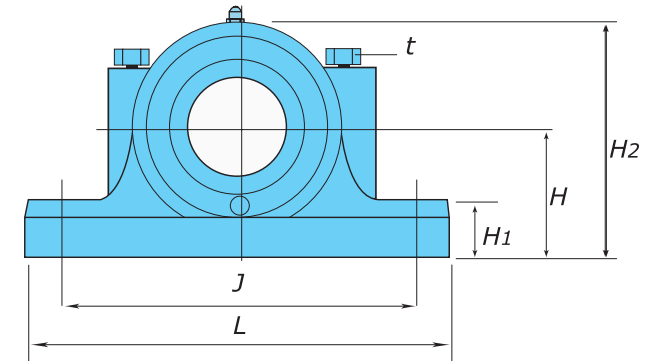
Plummer Block Housings

Series : SN 6



BEARING NUMBER	ГОСТ	SHAFT DIA	DIMENSIONS IN - MM.			WEIGHT Kg.
		MM.	L	H	H2	
SN 605		20	185	50	90	1.6
SN 606		25	185	50	95	1.8
SN 607		30	205	60	110	2.6
SN 608		35	205	60	115	2.9
SN 609		40	255	70	130	4.1
SN 610		45	255	70	135	4.7
SN 611		50	275	80	150	5.8
SN 612		55	280	80	155	6.5
SN 613		60	315	95	175	8.7
SN 615		65	345	100	195	11.3
SN 616		70	345	112	212	12.6
SN 617		75	380	112	223	15.0
SN 618		80	380	112	230	22.0
SN 619		85	410	125	250	26.3
SN 620		90	410	140	270	31.5
SN 622		100	450	150	300	42.0
SN 624		110	530	160	320	60.0
SN 626		115	550	170	340	63.2
SN 628		125	610	180	365	94.5
SN 630		135	650	190	385	105.0

Radial Insert Ball Bearings With Eccentric Locking Collar

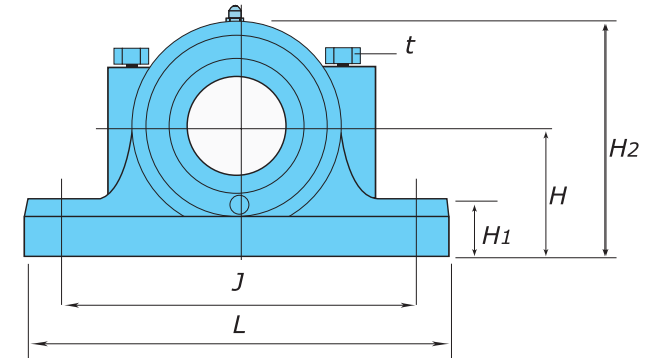


Bearing No.	Nominal Dimension (mm)											Load Rating (kN)		Weight KG
	d	Be	D	B1	n	m	Bi	K	H	G	h	Dynamic C	Static Co	
SA 201	12	12	40	19.1	6	13	29	28.6	13.5	5	3.6	960	480	0.13
SA 202	15	12	40	19.1	6	13	29	28.6	13.5	5	3.6	960	480	0.13
SA 203	17	12	40	19.1	6	13	29	28.6	13.5	5	3.6	960	480	0.13
SA 204	20	14	47	21.5	7	15	31	33.3	13.5	5	3.9	1000	630	0.15
SA 205	25	15	52	21.5	7.5	14	31	38.1	13.5	5	3.9	1100	710	0.22
SA 206	30	16	62	23.8	8	16	36	44.5	15.9	6	5	1520	1020	0.3
SA 207	35	17	72	25.4	8.5	17	39	55.6	17.5	6.5	5.5	2010	1390	0.5
SA 208	40	18	80	30.2	9	21	44	60.3	18.3	6.5	6	2560	1810	0.67
SA 209	45	19	85	30.2	9.5	21	44	63.5	18.3	6.5	6.3	3300	2100	0.73
SA 210	50	20	90	30.2	10	20	44	69.9	18.3	6.5	6.5	3500	2300	0.83
SA 211	55	24	100	32.4	12	20	48	76.2	20.7	8	7.2	4400	3000	0.87
SA 212	60	24	110	33.4	12	21	53	84.2	22.3	8	8	4850	2960	1.3

Spherical O.D. With Set Screws

Bearing No.	Nominal Dimensions (mm)								Load Rating (kN)		Weight KG
	(mm)	Be	D	Bi	n	m	G	h	Dynamic C	Static Co	
SB 201	12	12	40	22	6.0	16.0	4.5	3.6	760	450	0.10
SB 202	15	12	40	22	6.0	16.0	4.5	3.6	760	450	0.10
SB 203	17	12	40	22	6.0	16.0	4.5	3.6	760	450	0.10
SB 204	20	14	47	25	7.0	18.0	4.5	3.9	1000	630	0.15
SB 205	25	15	52	27	7.5	19.5	5.5	3.9	1100	710	0.18
SB 206	30	16	62	30	8.0	22.0	5.5	5.0	1520	1020	0.27
SB 207	35	17	72	32	8.5	23.5	6.5	5.5	2010	1390	0.42
SB 208	40	18	80	34	9.0	25.0	7.0	6.0	2560	1810	0.60
SB 209	45	19	85	41.2	9.5	31.7	8.2	6.3	3260	2450	0.80
SB 210	50	20	90	41.6	10.0	31.6	9.2	6.5	3580	2300	0.83
SB 211	55	23	100	45.3	11.8	33.5	9.8	7.2	4400	2960	1.1
SB 212	60	24	110	53.7	14.9	38.8	9.8	8	4850	3300	1.3

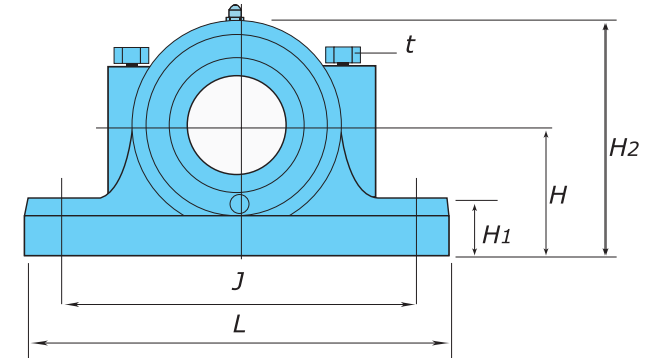
Spherical Radial Ball Bearings



Bearing No.	Nominal Dimensions (mm)				Load Rating (kN)		Weight KG
	d	D	B	r	Dynamic C	Static Co	
CS201	12	32	10	0.6	6800	3050	0.039
CS202	15	35	11	0.6	7650	3720	0.039
CS203	17	40	12	0.6	9580	4780	0.050
CS204	20	47	14	1	12800	6650	0.095
CS205	25	52	15	1	14000	7880	0.11
CS305		62	17	1.1	22200	11500	0.20
CS206	30	62	16	1	19500	11500	0.18
CS306		72	19	1.1	27000	15200	0.30
CS207	35	72	17	1.1	25500	15200	0.25
CS307		80	21	1.5	33200	19200	0.40
CS208	40	80	18	1.1	29500	18000	0.32
CS308		90	23	1.5	40800	24000	0.55
CS209	45	85	19	1.1	31500	20800	0.37
CS309		100	25	1.5	52800	31500	0.73
CS209	50	90	20	1.1	35000	23200	0.41
CS309		100	27	2	61800	38000	0.95

Radial Spherical plain Bearings

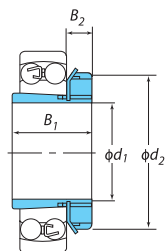
Radial Spherical plain Bearings



Bearing Numbers	Nominal Dimensions (mm)					Load Rating (kN)		Weight KG
						Dynamic	Static	
	d	D	B	C	dk	C	Co	
GE12ES	12	22	10	7	18	10.8	54.0	0.016
GE15ES	15	26	12	9	22	17.0	85.0	0.025
GE17ES	17	30	14	10	25	21.2	106	0.041
GE20ES	20	35	16	12	29	30	146	0.061
GE25ES	25	42	20	16	35.5	48	240	0.11
GE30ES	30	47	22	18	40.7	62	310	0.14
GE35ES	35	55	25	20	47	80	400	0.22
GE40ES	40	62	28	22	53	100	500	0.30
GE45ES	45	68	32	25	60	127	640	0.40
GE50ES	50	75	35	28	66	156	780	0.54
GE60ES	60	90	44	36	80	245	1220	1.0
GE70ES	70	105	49	40	92	315	1560	1.5
GE80ES	80	120	55	45	105	400	2000	2.2
GE90ES	90	130	60	50	115	490	2450	2.7
GE100ES	100	150	70	55	130	610	3050	4.3
GE110ES	110	160	70	55	140	655	3250	4.7
GE120ES	120	180	85	70	160	950	4750	8.0
GE140ES	140	210	90	70	180	1080	5400	11.0
GE160ES	160	230	105	80	200	1370	6800	13.5

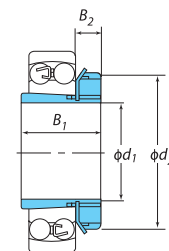
BEARING NO	Nominal Dimensions (mm)					Load Rating (kN)		Weight
						Dynamic	Static	
	d	D	B	C	dk	C	Co	
GEG12ES	12	26.0	15	9	22	17.0	85.0	0.034
GEG15ES	15	30	16	10	25	21.2	106	0.046
GEG17ES	17	35	20	12	29	30.0	146.0	0.078
GEG20ES	20	42	25	16	35.5	48	240	0.015
GEG25ES	25	47	28	18	40.7	62	310	0.19
GEG30ES	30	55	32	20	47	80	400	0.29
GEG35ES	35	62	35	22	53	100	500	0.39
GEG40ES	40	68	40	25	60	127	640	0.52
GEG45ES	45	75	43	28	66	156	780	0.68
GEG50ES	50	90	56	36	80	245	1220	1.4
GEG60ES	60	105	63	40	92	315	1560	2.0
GEG70ES	70	120	70	45	105	400	2000	2.9
GEG80ES	80	130	75	50	115	490	2450	3.5
GEG90ES	90	150	85	55	130	610	3050	5.4
GEG100ES	100	160	85	55	140	655	3250	5.9
GEG110ES	110	180	100	70	160	950	4750	9.7
GEG120ES	120	210	115	70	180	1080	5400	15
GEG140ES	140	230	130	80	200	1370	6800	18.5

Adapter assemblies for self-aligning Ball Bearings



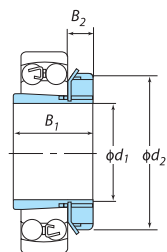
ADAPTER NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				BEARING BORE d	BEARING	WEIGHT KG
		d _i	B _i	d _e	B _e			
H204	H204	17	24	32	7	20	1204K	0.041
H205	H205	20	26	38	8	25	1205K	0.070
H206	H206	25	27	45	8	30	1206K	0.099
H207	H207	30	29	52	9	35	1207K	0.125
H208	H208	35	31	58	10	40	1208K	0.174
H209	H209	40	33	65	11	45	1209K	0.227
H210	H210	45	35	70	12	50	1210K	0.274
H211	H211	50	37	75	12	55	1211K	0.308
H212	H212	55	38	80	13	60	1212K	0.346
H213	H213	60	40	85	14	65	1213K	0.401
H214	H214	60	41	92	14	70	1214K	0.593
H215	H215	65	43	98	15	75	1215K	0.707
H216	H216	70	46	105	17	80	1216K	0.882
H217	H217	75	50	110	18	85	1217K	1.020
H218	H218	80	52	120	18	90	1218K	1.190
H219	H219	85	55	125	19	95	1219K	1.370
H220	H220	90	58	130	20	100	1220K	1.490

Adapter assemblies for self-aligning Ball Bearings



ADAPTER NUMBER	ГОСТ	NOMINAL DIMENSIONS [mm]				BEARING BORE d	BEARING		WEIGHT KG
		d _i	B _i	d _e	B _e				
H304	H304	17	28	32	7	20	2204K	1304K	0.045
H305	H305	20	29	38	8	25	2205K	1305K	0.075
H306	H306	25	31	45	8	30	2206K	1306K	0.109
H307	H307	30	35	52	9	35	2207K	1307K	0.142
H308	H308	35	36	58	10	40	2208K	1308K	0.189
H309	H309	40	39	65	11	45	2209K	1309K	0.248
H310	H310	45	42	70	12	50	2210K	1310K	0.303
H311	H311	50	45	75	12	55	2211K	1311K	0.345
H312	H312	55	47	80	13	60	2212K	1312K	0.394
H313	H313	60	50	85	14	65	2213K	1313K	0.458
H314	H314	60	52	92	14	70	2214K	1313K	0.723
H315	H315	65	55	98	15	75	2215K	1315K	0.831
H316	H316	70	59	105	17	80	2216K	1316K	1.030
H317	H317	75	63	110	18	85	2217K	1317K	1.180
H318	H318	80	65	120	18	90	2218K	1318K	1.370
H319	H319	85	68	125	19	95	2219K	1319K	1.560
H320	H320	90	71	130	20	100	2220K	1320K	1.690

Adapter Sleeves



Sleeves Designation	ГОСТ	Dimensions					
		d ₀	d	dZ	D	L	a
H2305		20	25	M25*1.5	38	35	8
H2306		25	30	M30*1.5	45	38	8
H2307		30	35	M35*1.5	52	43	9
H2308		35	40	M40*1.5	58	46	10
H2309		40	45	M45*1.5	65	50	11
H2310		45	50	M50*1.5	70	55	12
H2311		50	55	M55*2	75	59	12
H2312		55	60	M60*2	80	62	13
H2313		60	65	M65*2	85	65	14
H2315		65	75	M75*2	98	73	15
H2316		70	80	M80*2	105	78	17
H2317		75	85	M85*2	110	82	18

Accessories

Metric Dimensions For Connecting Rod Bearings (Small End)

CAGE NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC	WEIGHT KG
		d	D	H		
10 KV 1412.5		10	14	12.5	500 470	5.0
10 KV 14 13		10	14	12.8	760 830	5.5
10 KV 14 14		10	14	13.8	660 680	6.0
12 KV 15 15		12	15	14.8	660 870	5.0
12 KV 16 13		12	16	12.8	740 840	5.0
12 KV 16 16		16	16	15.8	820 940	7.5
14 KV 18 13		14	18	12.8	730 850	6.0
14 KV 18 16.5		14	18	16.3	920 1140	8.0
14 KV 18 17.5		14	18	17.3	970 1230	10.0
14 KV 18 20		14	18	19.8	970 1230	12.0
14 KV 19 17.3		14	19	17.1	1110 1260	12.0
15 KV 19 20		15	19	19.8	1080 1430	13.0
16 KV 20 19.5		16	20	21.2	1020 1350	13.0
16 KV 20 21.5		16	20	21.2	1330 1560	13.5
16 KV 20 22.5		16	20	22.3	1330 1560	14.0

Metric Dimensions For Connecting Rod Bearing(Big End)

CAGE NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS		WEIGHT
		d	D	H	DYNAMIC & STATIC		KG
12 KT 17 10		12	17	9.8	620	575	5.1
16 KT 21 10		16	21	9.8	760	810	7.0
16 KT 21 10 C		16	21	9.8	760	810	7.0
16 KT 21 12 C		16	21	11.8	900	1000	8.0
16 KT 22 12		16	22	11.8	1030	1060	10.0
16 KT 22 12 C		16	22	11.8	1030	1060	10.0
18 KT 24 12		18	24	11.8	1170	1290	11.0
18 KT 24 12 C		18	24	11.8	1170	1290	11.0
18 KT 24 13.5 C		18	24	13.3	1360	1560	12.0
20 KT 26 17 C		20	27	16.8	1460	1760	14.0
22 KT 28 14 C		22	28	13.8	1390	1690	14.0
22 KT 28 15 C		22	28	14.8	1480	1830	15.5
22 KT 28 16 C		22	28	15.8	1460	1830	16.0
22 KT 29 14 C		22	29	13.8	1600	1940	18.0
22 KT 29 15 .6		22	29	15.4	1700	2000	20.0
25 KT 30 14 S		25	30	13.8	1430	2080	14.0
28 KT 33 14 S		28	33	13.8	1640	2570	18.0
28 KT 36 16 S		28	36	15.8	2430	3090	30.0
29 KT 39 16 C		29	39	15.8	2420	2670	40.0
30 KT 38 16 C		30	38	15.8	2420	3130	32.00

Metric Dimentions For Gear Box Applications

CAGE NUMBER	ГОСТ	DIMENSIONS IN MM			BASIC LOAD RATINGS		WEIGHT
		d	D	H	DYNAMIC & STATIC		KG
16 NV 21 22		16	21	21.7	1430	1800	16.0
18 NV 22 17		18	22	16.8	1100	1550	11.0
20 NT 28 20		20	28	19.8	2110	2360	29.0
25 NT 30 20		25	30	19.8	1935	3060	21.0
25 NT 30 24		25	30	23.8	2150	3490	24.0
28 NT 35 20		28	35	19.8	2230	3010	32.0
30 NT 35 20		30	35	19.8	2020	3420	37.0
35 DV 39 34		35	39	33.8	2560	5700	42.0
40 DV 44 34.6		40	44	34.4	2750	6560	50.0

Metric Dimentions Full Complement Type

BUSH NUMBER	ГОСТ	DIMENTIONS IN MM			BASIC LOAD RATINGS		WEIGHT
		d	D	H	DYNAMIC & STATIC		KG
		GREASE RETAINED					
10 HGM 15 10		10.000	15.000	9.350	620	860	6.0
12 HGM 18 10		12.000	18.000	10.000	870	1110	14.0
12 HGM 20 12		12.000	20.000	12.000	1240	1430	8.0
13 HGM 19 12		13.000	19.000	12.000	1040	1500	12.0
		FULL COMPLEMENT NEEDLE BUSH : TYPE H, HM					
28 HM 36 20		28.000	36.000	20.000	3075	3090	45.0
35 HM 43 20		35.000	43.000	20.000	3450	7000	58.0
H 24 16		38.100	47.625	25.400	4880	9970	98.0
H 24 20		38.100	47.625	31.750	6130	13370	124.0

Metric Dimentions Cage Guided

BUSH NUMBER	ГОСТ	DIMENTIONS IN MM			BASIC LOAD RATINGS		WEIGHT
		d	D	H	DYNAMIC & STATIC		KG
8 HR 12 10		8	12	10	340	240	3.5
9 HR 13 10		9	13	10	380	280	4.0
9 HR 13 12		9	13	12	470	370	4.5
9 HR 16 12		9	16	12	490	405	8.0
10 HR 14 10		10	14	10	390	290	4.0
10 HR 14 12		10	14	12	490	390	4.5
10 HR 14 15		10	14	15	600	500	5.5
12 HR 16 10		12	16	10	440	350	5.0
12 HR 18 12		12	18	12	580	420	9.0
13 HR 19 12		13	19	12	600	450	10.0
14 HR 20 12		14	20	12	680	520	10.0
14 HR 20 16		14	20	16	960	820	10.0
15 HR 21 12		15	21	12	700	550	11.0
15 HR 21 16		15	21	16	930	820	15.0
15 HR 21 22		15	21	22	1180	1110	20.0
16 HR 22 12		16	22	12	680	550	16.0
16 HR 22 16		16	22	16	970	860	16.0
16 HR 22 22		16	22	22	1160	1090	22.0
17 HR 23 12		17	23	12	700	580	12.0
17 HR 25 18 RS		17	25	18	1200	900	22.0
18 HR 24 12		18	24	12	720	610	13.0
18 HR 24 16		18	24	16	1030	960	17.0
20 HR 26 12		20	26	12	765	670	19.0
20 HR 26 16		20	26	16	1130	1100	24.0
20 HR 26 20		20	26	20	1390	1440	24.0
25 HR 32 12		25	32	12	970	830	21.0
25 HR 32 16		25	32	16	1380	1310	27.0
25 HR 32 20		25	32	20	1770	1800	34.0
25 HR 32 26		25	32	26	2260	2470	45.0
28 HR 35 16		28	35	16	1440	1430	30.0
28 HR 35 20		28	35	20	1660	1770	37.0

Metric Dimentionions Cage Guided

BUSH NUMBER	ГОСТ	DIMENTIONIONS IN MM			BASIC LOAD RATINGS DYNAMIC & STATIC		WEIGHT KG
		d	D	H			
30 HR 37 12		30.000	37.000	12.00	1010	940	24.0
30 HR 37 16		30.000	37.000	16.00	1450	1480	32.0
30 HR 37 20		30.000	37.000	20.00	1850	2020	40.0
30 HR 37 26		30.000	37.000	26.00	2350	2750	52.0
35 HR 42 12		35.000	42.000	12.00	1100	1080	28.0
35 HR 42 16		35.000	42.000	16.00	1570	1710	37.0
35 HR 42 20		35.000	42.000	20.00	2000	2330	46.0
40 HR 47 12		40.000	47.000	12.00	1180	1230	32.0
40 HR 47 16		40.000	47.000	16.00	1685	1940	42.0
40 HR 47 20		40.000	47.000	20.00	2150	2660	52.0
40 HR 52 16		40.000	52.000	16.00	1780	2170	47.0
40 HR 52 20		40.000	52.000	20.00	2280	2950	57.0
16 02 38		11.113	17.463	16.67	1360	680	11.0

DPI - Automotive Bearings and Non standard Bearings

DPI has developed a large range of bearings used for automotive applications such as:

- 1) DAC type double row BB for wheels
- 2) Hub Unit for wheel (1st, 2nd and 3 rd generation
- 3) Water pump bearings
- 4) clutch release bearings
- 5) Bearing Units for tensioners
- 6) Air conditioning Bearings
- 7) Steering Bearings

DPI has developed a comprehensive automotive catalog for the purpose of automotive bearings. You may inquire with your us or your distributor if you require the same.

DPI has also developed many non-standard sizes which are available on request and develop any other non-standard bearing depending on the production economics