TURBO®
BEARINGS

The Symbol Of Excellence

Factory

Unit-2

Unit-1

About Us :

The company was established in 1988 in Rajkot - India, to manufacture antifriction bearings. The company always held its conviction of manufacturing high quality bearings and gives value addition to all its customers. TURBO currently manufactures various types of bearings such as:

- Tapered Roller Bearings.
- Cylindrical Roller Bearings.
- Needle Roller Bearings.
- Deep Groove Ball Bearings.
- Angular Contact Ball Bearings.
- Four Point Contact Ball Bearings.
- Thrust Ball and Roller Bearings.
- Clutch Release Bearings.
- Spherical Roller Bearings.

Manufacturing Range :-
ID :- 15 mm Minimum
OD :- 200 mm Maximum

TURBO bearings have excellent acceptability of performance in India as well as in International markets. We maintain the best quality of our products by using prime material and adopting latest manufacturing technology with sophisticated CNC machines. We improve our product quality, by continuous research and development activities in our plant.

Our bearings are well approved by various O.E. manufacturers of HCVs, LCVs, Tractors, Cars, Three wheelers & General engineering products.

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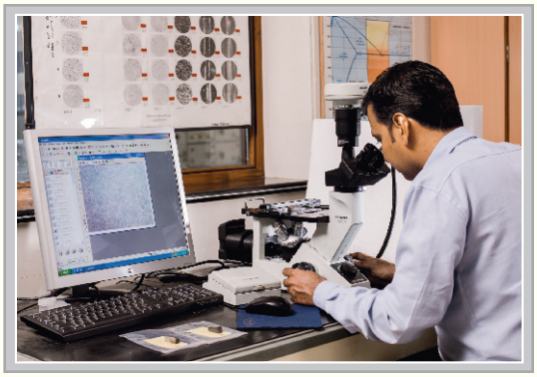
ISO / TS 16949 CERTIFIED COMPANY

The company is certified for ISO/TS 16949 by TUV SUD Management Service GmbH. It recognized the quality management system of **TURBO** and its quality vision and well maintained quality standards. The company's focus on quality is reflected in its manufacturing philosophy, which continuously upgrades process and procedures effectively at each stage of production, to ensure enhanced bearing performance.

Quality Control

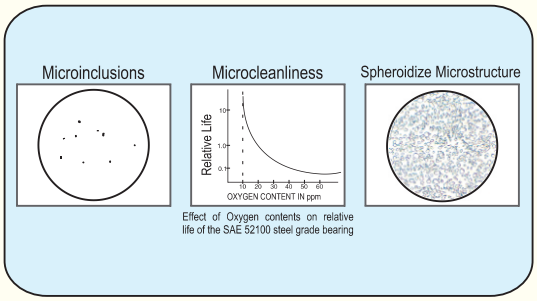
Metallurgical Microscope:



We have latest version of Metallurgical Microscope - Olympus (Japan make), with image analyzer software, used for checking the microstructure of bearing components. We maintain consistent quality of micro structure as per standard norms, in prime raw material as well as in heat treated rings, rollers & balls with reference to STAHL-ELSEN-PRUFBLATT 1520, (SEP-1520) German chart, for following:

- Spheroidized structure
- Amount of perlite
- Inclusion Rating
- Carbide network
- Carbide streak (bandings)

Micro Structure :



The grade of steel used is SAE-52100 / 100 Cr6 (modified) bearing steel of international acceptability.

Bearing steel is used only after ensuring macro (for non metallic inclusion rating/cleanliness) and microstructure, as per standard specifications to ensure the long life of bearings.

Profile Projector :

We have profile projector, which is used for checking/controlling the profiles of grooves, butting radius, etc., at turning stage.

Standards Room :

Our Standards Room has all the facilities of quality appraisal equipment, such as TALYROND - Roundness Testing machine, FORM TALYSURF - profile and surface finish testing machine etc; imported from world renowned make - Taylor Hobson, U.K.

We also have other inspection facilities, such as Bearing Eccentricity tester, Dial Calibration Instrument and Residual Magnetism Tester etc.

Metrology Lab - Universal Measuring Machine :

TURBO has installed a Universal measuring machine from TRIMOS - Switzerland. This machine gives absolute value of internal dimensions, external dimensions and angles of rings and rollers, measured as per international standards. This machine is used to calibrate the bearing components as per designed dimensions.

Talyrond :

Talyrond - Taylor Hobson Ltd. (U.K.) make: This world renowned quality appraisal equipment is used for checking the roundness, squareness, concentricity, cylindricity, flatness and coaxiality of bearing components, which ensures running accuracy for longevity life of **TURBO** bearings.

Form Talysurf :

We have latest version of Form Talysurf (Form and Surface Finish Measuring machine) from world famous Taylor Hobson Ltd. (U.K.). This machine is used for checking Micro geometry. It evaluates parameters like Form geometry and surface finish of components. This control helps for improving the quality and product performance in the field. Our R& D continuously makes improvements in these accuracy parameters of races & rollers, to enhance field performance of **TURBO** bearings.

Quality Control

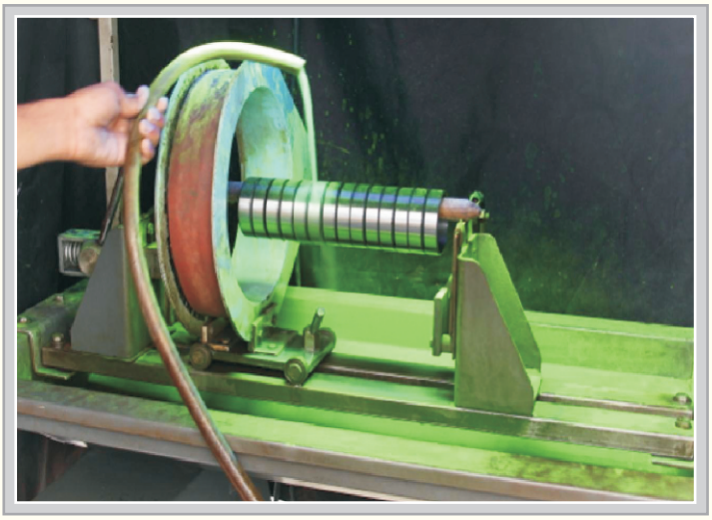
Roller Grouping Machine :

We have imported automatic roller grouping machines for Tapered rollers. These machines have facility to group the rollers within 1 micron grading. The close grading gives uniform load distribution in the bearings for longer life.

Bearing Noise Level & Vibration Tester :

We have imported noise level testing machines, which are used for checking the noise & vibration of ball and roller bearings. These equipments have low band, medium band and high band vibration measuring facility, which enables to identify the control of quality parameters of various bearing components. They help in upgrading the bearing performance.

Magnetic Crack Detection :



We have Magnetic Particle Inspection (MPI Testing) Machine, which is widely used for non-destructive testing of the bearing components, to identify the surface cracks. The test is performed by spreading fine Ferrous-oxide particles with high magnetic permeability (mixed with a liquid media), over the surface of the test part & simultaneously magnetising the component with a strong magnetic field, created by passing an electric current through a coil. The Ferrous oxide particles are attracted to the leakage field (crack), which can be visually detected under the Ultra Violet lighting. This test is fast and reliable process, where indication of surface defects is visible directly on the test piece surface.

Research & Devlopments

Design & Development Department :

TURBO has well established Design and Development Department for designing of product and tooling.

TURBO has Design experts, with long and rich experience.

Design & Development activities are carried out by using latest softwares.

The R&D department of the company is with collaborative & flexible approach & always responds to customer needs innovatively. We offer optimum lead time to new and customised products.

Bearing Endurance & Life Testing Machine :

We have imported Bearing Endurance (Life) Testing Machines. These machines are suitable for testing Radial Bearings & Tapered Roller Bearings. These machines are equipped with programmable controls & monitoring systems to monitor vibration level, temperatures & speed of Bearings under test.

These machines test the bearings under aggravated loads & speeds, in line with the life requirements in the field application.

With these machines, we ensure that actual life of **TURBO** bearings is higher than designed rated life of the bearings.

Duplex - Face Grinding Mc - Gardner (USA) Make :

The face grinding is the first process in the PFC of bearing parts. The ground face generated after this process is the reference for all subsequent grinding processes & stands as a reference for achieving the accuracies at every stage. We control a close accuracy of Face flatness & parallelism between two side faces, using the world renowned machine for this process, Gardner USA. This machine is fitted with through feed system with high productivity and very high accuracy

OD Centerless Grinding Mc - WMW Microsa (Germany) Make :

The OD grinding process is carried out using imported machine of reputed make, Microsa- Germany. The OD is the reference diameter for the next stage of track grinding, where the grinding is done with shoe centerless system. So the OD accuracy helps in building a good accuracy on track also.

Automatic, Fully Inter-Connected, Versatile Grinding Line
TOYO (Japan) CNC Grinding & Thielenhaus (Germany) Super Finishing Machines :

Turbo has installed automatic manufacturing line for TRB and CRB with the grinding machines from world renowned machine manufacturing company TOYO (Japan) and super-finishing machines from world famous Thielenhaus Technologies (Germany).

The grinding machines have CNC program to achieve logarithmic profile for Inner ring raceway and crowned profile for Inner ring Lip and Outer ring raceway.

The super-finishing machines have program for super-finishing of Outer Ring raceway with crowning, Inner Ring Lip with crowning and Inner ring raceway for logarithmic profile.

Automatic, Fully Inter-Connected Tapered Roller Bearing Grinding & Super-Finishing Line :

Automatic, Fully Inter-Connected Ball Bearing Grinding & Super-Finishing Line :

Turbo has installed fully automatic, inter-connected manufacturing lines with CNC grinding as well as CNC superfinishing machines, for Tapered Roller Bearings, Cylindrical Roller Bearings as well as for Ball bearings. The lines are equipped with In-process gauges as well as post process gauge for consistent quality. Size and geometrical tolerances are achieved with high accuracies.

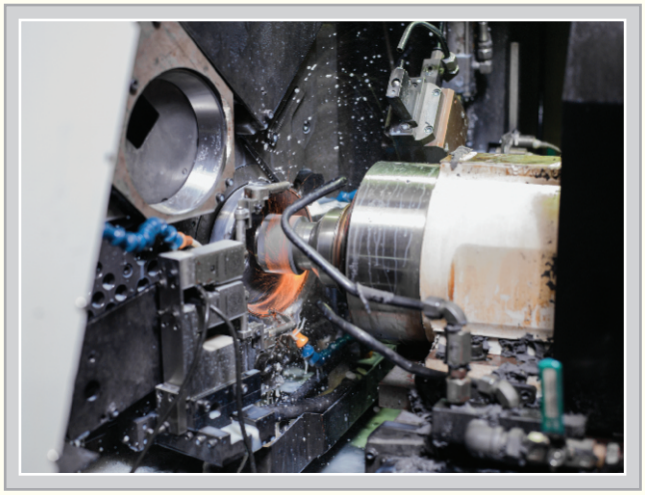
Thielenhaus (Germany)
Make Ring Super-Finishing Machines :

TURBO has excellent superfinishing machines of THIELENHAUS (German Technology), to achieve high degree of surface-finish accuracy of raceways and lip. These machines are equipped with special cycle to generate logarithmic profile.

SUPFINA (Germany)
Make Roller Super-Finishing Machines :

TURBO has world renowned super finishing machines of Supfina-Germany make for super finishing of rollers, which gives improved surface finish on roller, along with cambered profile - a unique feature with supfina machines.

Each Machine Has An On-Line Marposs (Italy) Gauge Controls :



Each one of our CNC machines are equipped with controls of an In-process gauge (IPG) of reputed make of "Marposs-Italy" . The part is continuously measured during the grinding process by Marposs IPG system, which ensures perfect size control in extremely small dimensional tolerances, in the middle of the tolerance zone and thus helps in achieving zero defect target.

Post Process Marposs (Italy) Gauge Controls :

Each of our CNC Automatic manufacturing lines are equipped with Marposs (Italy make) post process gauging equipments. This is automatic inspection machine, which prevents acceptance of any defective part and prevents them passing on to the next operation. Hence, it ensures zero defect supplies to customer.

These machines have computerised facility to store and analyze the inspection results for monitoring the process by statistical quality control (SQC). The screen shows X-BAR and R-Charts (mean and range charts). Through continuous observations of Cp and Cpk values, we ensure that process is stable and quality is controlled within very close tolerance range.

This equipment has facility to provide on-line feedback to the In-process gauges of the grinding machines, based on the actual and continuous observations of the parts manufactured (Feedback Loop). This feedback helps control of subsequent components within specified limit. Thus this equipment, not only monitors the process (SQC), but also improves the process (SPC).

Automatic, Fully Inter-Connected Tapered Roller Bearing Assembly Line :

Our fully automatic assembly line includes demagnetising, washing, inspection for dimensional as well as visual parameters (roller missing), Vibration Testing, Laser Marking, drying and oiling. All these operations are fully automatic and inter-connected. The dimensional inspection is carried out by PULCOM (Japan make) gauges. Our assembly operations are carried out in a complete enclosure and dust-free environment.

Bearing Laser Marking Machine - IPG (Germany) Make :

TURBO has Laser markeing machines (IPG - German Make), which apart from marking the bearing number, also used for marking the Batch code (month and year code) on the bearings. This ensures the traceability of **TURBO** bearings up to field life.

Features

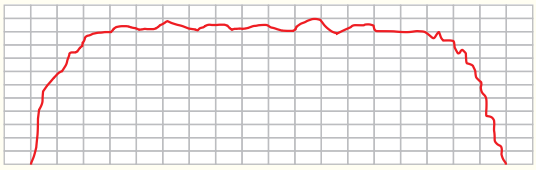
TURBO - Profile type Tapered roller bearings :

Tapered Roller Bearings with **TURBO** Profile (similar to logarithmic profile) are specially designed for automotive application, considering road, operating and environment conditions. We are always focusing on the parameters which increase the performance/life of bearings. We have carried out several improvements in material, design and manufacturing processes, including geometrical accuracies and profile of raceways. The logarithmic type profile results in avoiding edge loading in the raceways.

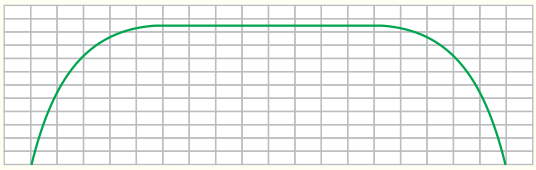
TURBO - Profile type bearings having inimitable feature & benefits.

- Improved load carrying capacity.
- Reduced friction and initial torque.
- Reduced preload problem.
- Reduced wear and maintenance.
- Reduced failure in misalignment.
- Increased bearing service life.
- Improved operating reliability.

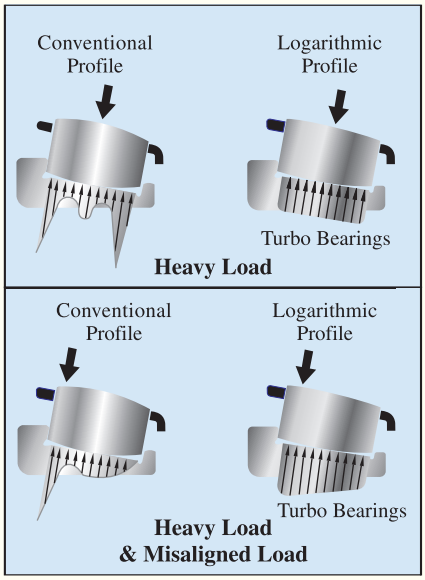
NON-OPTIMISED RACEWAY SURFACE



LOGARITHMIC TRACK ON TAPER ROLLER BEARING INNER RACEWAY SURFACE

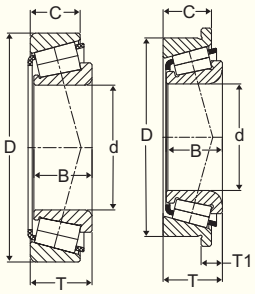


TURBO - Profile Type Tapered Roller Bearings, LOAD DISTRIBUTION -



Benefits of Turbo Bearings - Logarithmic profile :

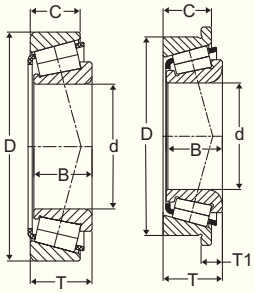
- This profile is superior to conventional profile.
- Results in uniform stress distribution.
- Reduced peak stress during shock load.
- Better performance under critical operating conditions where heavy load and considerable misalignment pertain.
- Improved load carrying capacity.
- Reduced edge stress at raceways.



TURBO® BEARINGS

Tapered Roller Bearings - Metric Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
1	**30302**	15.000	42.000	13.000	11.000	14.250	-	0.103
2	**31303**	17.000	47.000	14.000	10.500	15.250	-	0.130
3	**12303-T**	18.000	47.000	14.500	12.000	15.250	-	0.145
4	**32004X**	20.000	42.000	15.000	12.000	15.000	-	0.100
5	**30204**	20.000	47.000	14.000	12.000	15.250	-	0.133
6	**32204**	20.000	47.000	18.000	15.000	19.250	-	0.160
7	**30304**	20.000	52.000	15.000	13.000	16.250	-	0.170
8	**32005X**	25.000	47.000	15.000	11.500	15.000	-	0.110
9	**32005V**	25.000	47.000	15.000	11.500	15.000	-	0.103
10	**30205**	25.000	52.000	15.000	13.000	16.250	-	0.160
11	**33205**	25.000	52.000	22.000	18.000	22.000	-	0.217
12	**TT 25541 (NTN=ETA CRA22STPX1, FERSA=F15196)**	25.000	54.000	15.000	15.500	18.750	9.250	0.210
13	**TT 25551 (FERSA=F15315)**	25.000	55.000	13.600	9.700	13.750	-	0.145
14	**TT 25621 (FERSA=F15313)**	25.000	62.000	16.000	14.000	17.250	-	0.260
15	**30305**	25.000	62.000	17.000	15.000	18.250	-	0.275
16	**32305**	25.000	62.000	24.000	20.000	25.250	-	0.370
17	**TT 25661 (FERSA=F15316)**	25.000	66.000	22.000	17.000	22.050	-	0.400
18	**TT 27621 (FERSA=F15312)**	27.000	62.000	22.500	14.000	17.250	6.700	0.290
19	**TT 30551 (FERSA=F15311)**	30.000	55.000	17.000	13.000	17.000	7.000	0.175
20	**30206**	30.000	62.000	16.000	14.000	17.250	-	0.230
21	**TT 30621 (FERSA=F15309)**	30.000	62.000	20.000	14.000	20.000	-	0.290
22	**32206**	30.000	62.000	20.000	17.000	21.250	-	0.282
23	**32206B**	30.000	62.000	20.000	17.000	21.225	-	0.293
24	**33206**	30.000	62.000	25.000	19.500	25.000	-	0.350
25	**31306 (30306D)**	30.000	72.000	19.000	14.000	20.750	-	0.395
26	**30306**	30.000	72.000	19.000	16.000	20.750	-	0.402
27	**32306**	30.000	72.000	27.000	23.000	28.750	-	0.583
28	**BT1B 329154/QCL7C (FERSA=F15213)**	32.000	-	33.000	-	-	-	0.418
29	**320/32X**	32.000	58.000	17.000	13.000	17.000	-	0.180



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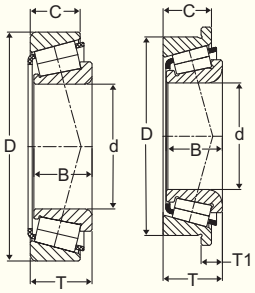
30	**32007X**	35.000	62.000	18.000	14.000	18.000	-	0.224
31	**30207**	35.000	72.000	17.000	15.000	18.250	-	0.320
32	**32207C**	35.000	72.000	23.000	18.000	24.250	-	0.440
33	**32207**	35.000	72.000	23.000	19.000	24.250	-	0.450
34	**TT 3572 (FERSA=F15197) (TIMKEN=NP 353549/ NP 673396)**	35.000	72.000	23.500	19.000	24.000	-	0.445
35	**33207**	35.000	72.000	28.000	22.000	28.000	-	0.535
36	**30307**	35.000	80.000	21.000	18.000	22.750	-	0.530
37	**32307**	35.000	80.000	31.000	25.000	32.750	-	0.797
38	**CR-08A19PXI/CR-08A75PXI**	38.000	80.000	22.000	16.000	24.000	-	0.515
39	**32308B/38.1 (FAG=Z-543805, FERSA=F15157)**	38.100	90.000	33.000	27.000	35.250	-	1.077
40	**TT 40001 (SKF=BT1B328915, FAG=576503, FERSA=F15150 A)**	40.000	-	38.000	-	-	-	0.675
41	**32008X**	40.000	68.000	19.000	14.500	19.000	-	0.280
42	**TT 40681 (FERSA=F15310)**	40.000	68.000	19.000	14.500	19.000	8.000	0.290
43	**30208**	40.000	80.000	18.000	16.000	19.750	-	0.454
44	**32208**	40.000	80.000	23.000	19.000	24.750	-	0.530
45	**33208**	40.000	80.000	32.000	25.000	32.000	-	0.717
46	**31308 (30308D)**	40.000	90.000	23.000	17.000	25.250	-	0.730
47	**30308**	40.000	90.000	23.000	20.000	25.250	-	0.720
48	**32308**	40.000	90.000	33.000	27.000	35.250	-	1.070
49	**32308B**	40.000	90.000	33.000	27.000	35.250	-	1.070
50	**TT 40901 (SKF=BT 1-0097 C, FERSA=F15117)**	40.000	90.000	39.000	22.500	28.750	-	0.969
51	**331257**	40.000	95.000	25.000	19.000	27.300	-	0.930
52	**32009X**	45.000	75.000	20.000	15.500	20.000	-	0.340
53	**30209**	45.000	85.000	19.000	16.000	20.750	-	0.465



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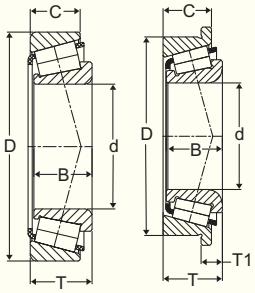
54	**32209**	45.000	85.000	23.000	19.000	24.750	-	0.580
55	**33209**	45.000	85.000	32.000	25.000	32.000	-	0.820
56	**JXC18439 CA/JXC18439 DA**	45.000	85.000	32.000	25.000	32.000	-	0.761
57	**TT 45881 (FERSA=F15314)**	45.000	88.000	17.500	12.900	16.750	-	0.470
58	**32210/45**	45.000	90.000	23.000	19.000	24.750	-	0.737
59	**31309 (30309D)**	45.000	100.000	25.000	18.000	27.250	-	0.960
60	**30309**	45.000	100.000	25.000	22.000	27.250	-	0.990
61	**32309**	45.000	100.000	36.000	30.000	38.250	-	1.350
62	**Tt451101 (TIMKEN=JXC 25690 C/ JXC 25690DC, FERSA=F15161)**	45.000	110.000	27.000	23.000	29.250	12.000	1.385
63	**ETA-CIR-1006.1**	50.000	-	41.000	-	-	-	0.730
64	**ETA-CIR-1010.1**	50.000	-	41.300	-	-	-	1.200
65	**32010X**	50.000	80.000	20.000	15.500	20.000	-	0.375
66	**33010**	50.000	80.000	24.000	19.000	24.000	-	0.450
67	**30210**	50.000	90.000	20.000	17.000	21.750	-	0.540
68	**32210**	50.000	90.000	23.000	19.000	24.750	-	0.672
69	**33210**	50.000	90.000	32.000	24.500	32.000	-	0.870
70	**31310**	50.000	110.000	27.000	19.000	29.250	-	1.200
71	**31310 M**	50.000	110.000	27.000	19.000	29.250	15.250	1.233
72	**30310**	50.000	110.000	27.000	23.000	29.250	-	1.225
73	**32310**	50.000	110.000	40.000	33.000	42.250	-	1.800
74	**33211/50.8 (SKF=331305, FAG=522380, FERSA=F15047)**	50.800	100.000	35.000	27.000	35.000	-	1.237
75	**ETA-CIR-1012**	52.000	-	24.000	-	-	-	0.665
76	**ETA-CIR-1104**	55.000	-	29.750	-	-	-	0.720
77	**TT 55001 (FERSA=F15269, NTN=ETA-CIR-1106)**	55.000	-	29.800	-	-	-	0.760
78	**32011X**	55.000	90.000	23.000	17.500	23.000	-	0.563



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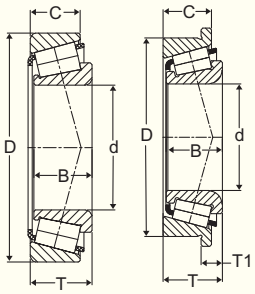
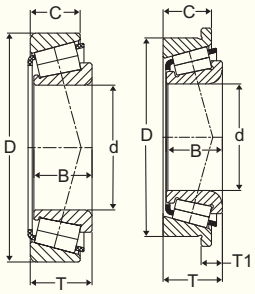
		d	D	B	C	T	T1	
79	**33011**	55.000	90.000	27.000	21.000	27.000	-	0.680
80	**33111**	55.000	95.000	30.000	23.000	30.000	-	0.897
81	**30211**	55.000	100.000	21.000	18.000	22.750	-	0.675
82	**32211**	55.000	100.000	25.000	21.000	26.750	-	0.830
83	**33211**	55.000	100.000	35.000	27.000	35.000	-	1.200
84	**ECO 33212.1/ECO CR-1187.1**	55.000	110.000	38.000	29.000	38.000	16.000	1.750
85	**ECO CR11A12.1/ ECO CR-1187.1**	55.000	110.000	40.000	29.000	40.000	18.000	1.815
86	**32310/55**	55.000	110.000	40.000	33.000	42.250	-	1.700
87	**31311(30311D)**	55.000	120.000	29.000	21.000	31.500	-	1.550
88	**30311**	55.000	120.000	29.000	25.000	31.500	-	1.660
89	**30215/55**	55.000	130.000	25.000	22.000	27.250	-	1.770
90	**TT 551401 (FERSA=F15256, FAG=805097)**	55.000	140.000	45.000	32.000	45.000	-	3.689
91	**30216/57.150 (TIMKEN=NP 988748/ NP 247732, FERSA=15133)**	57.165	140.000	26.150	22.000	28.250	-	1.651
92	**TT 601302 (FAG=F-563007)**	60.000	-	51.000	-	-	-	1.885
93	**32012X**	60.000	95.000	23.000	17.500	23.000	-	0.600
94	**CR 1252L**	60.000	95.000	26.000	21.000	26.000	-	0.692
95	**33012**	60.000	95.000	27.000	21.000	27.000	-	0.680
96	**30212**	60.000	110.000	22.000	19.000	23.750	-	0.950
97	**32212**	60.000	110.000	28.000	24.000	29.750	-	1.180
98	**X32212**	60.000	110.000	28.000	24.000	29.750	-	1.186
99	**F-580794.TR1**	60.000	110.000	28.000	24.000	29.750	-	1.162
100	**ECO CR-12A17.1**	60.000	110.000	34.000	26.500	34.000	-	1.400
101	**33212**	60.000	110.000	38.000	29.000	38.000	-	1.523
102	**T5ED060 (FERSA=F15273, FAG=581541)**	60.000	115.000	38.000	31.000	39.000	-	1.800



TURBO BEARINGS

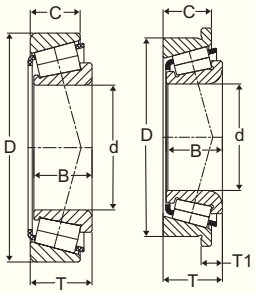
Tapered Roller Bearings - Metric Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
103	**F-558841.01**	60.000	115.000	38.000	31.000	40.000	-	1.795
104	**31312F**	60.000	130.000	31.000	22.000	33.500	-	1.900
105	**30312**	60.000	130.000	31.000	26.000	33.500	-	2.030
106	**30312R**	60.000	130.000	31.000	26.000	33.500	-	1.940
107	**ECO CR-12A06.1**	60.000	130.000	31.000	26.250	33.800	-	1.985
108	**TT 601303 (FERSA=F15245)**	60.000	130.000	31.000	26.250	33.800	-	1.990
109	**XFA 32215/ YSA 32215 R**	60.000	130.000	31.000	27.000	33.250	12.250	2.150
110	**32312**	60.000	130.000	46.000	37.000	48.500	-	2.970
111	**32312B**	60.000	130.000	46.000	37.000	48.500	-	3.040
112	**TT 601301 (FAG=805046/801464, FERSA=F15192)**	60.000	130.000	49.000	27.000	33.250	12.250	2.371
113	**31312L**	60.000	135.000	31.000	22.000	33.500	-	2.120
114	**TT 65001 (FERSA=15134, TIMKEN=JXC 19089 DA)**	65.000	-	31.000	-	-	-	1.415
115	**33113**	65.000	110.000	34.000	26.500	34.000	-	1.280
116	**30213**	65.000	120.000	23.000	20.000	24.750	-	1.160
117	**32213**	65.000	120.000	31.000	27.000	32.750	-	1.600
118	**32213UXI**	65.000	120.000	31.000	27.000	32.750	-	1.600
119	**33213**	65.000	120.000	41.000	32.000	41.000	-	2.010
120	**31313 (30313D)**	65.000	140.000	33.000	23.000	36.000	-	2.350
121	**30313**	65.000	140.000	33.000	28.000	36.000	-	2.600
122	**NP 881387/NP 304907**	65.000	140.000	33.000	28.000	36.000	13.500	2.460
123	**32313**	65.000	140.000	48.000	39.000	51.000	-	3.530
124	**77213L**	65.000	145.000	36.500	26.500	39.500	-	2.850
125	**30314/65 (SKF=BT1B 328406A/ 30314/QVB0, FERSA=F15119)**	65.000	150.000	35.000	30.000	38.000	-	3.120
126	**TT 651521 (FERSA=F15253, FAG=801794 B)**	65.000	152.000	45.500	35.000	48.000	-	4.448



Tapered Roller Bearings - Metric Series

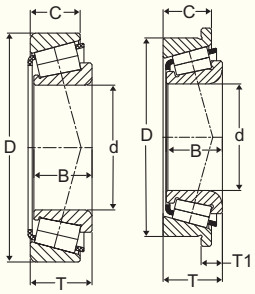
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
127	**31313/165 (FAG=540669, FERSA=F15183)**	65.000	165.000	33.000	23.000	36.000	-	3.373
128	**TT 65165 (MAR BRAZIL-575725, FAG=575725.F51, FERSA=F15159)**	65.000	165.000	36.650	25.500	40.000	-	3.850
129	**32014X**	70.000	110.000	25.000	19.000	25.000	-	0.825
130	**30214**	70.000	125.000	24.000	21.000	26.250	-	1.225
131	**32214**	70.000	125.000	31.000	27.000	33.250	-	1.680
132	**33214**	70.000	125.000	41.000	32.000	41.000	-	2.120
133	**TT701301R (SKF=331933, FAG=528983, FERSA=F15051R)**	70.000	130.000	56.000	35.000	57.000	-	2.820
134	**TT701301C (SKF=332330 B, FAG=534565, FERSA=F15051C)**	70.000	130.000	56.000	35.000	57.000	-	2.820
135	**31314**	70.000	150.000	35.000	25.000	38.000	-	2.850
136	**30314**	70.000	150.000	35.000	30.000	38.000	-	2.922
137	**TT 701501 (SKF=BT1B329012, FERSA=F15116)**	70.000	150.000	40.000	31.700	39.800	-	3.125
138	**32314**	70.000	150.000	51.000	42.000	54.000	-	4.320
139	**32314 B**	70.000	150.000	51.000	42.000	54.000	-	4.500
140	**32015 XR**	75.000	115.000	25.000	19.000	25.000	-	0.890
141	**33115**	75.000	125.000	37.000	29.000	37.000	-	1.800
142	**30215**	75.000	130.000	25.000	22.000	27.250	-	1.330
143	**32215**	75.000	130.000	31.000	27.000	33.250	-	1.740
144	**33215**	75.000	130.000	41.000	31.000	41.000	-	2.130
145	**TT 751401 (FAG=Z-580616, FERSA=F15190)**	75.000	140.000	32.000	28.000	34.250	-	2.280



TURBO BEARINGS

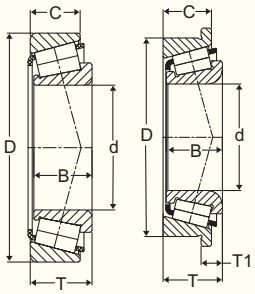
Tapered Roller Bearings - Metric Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
146	**30217R/75**	75.000	150.000	28.000	24.000	30.500	-	2.330
147	**31315 (30315D)**	75.000	160.000	37.000	26.000	40.000	-	3.500
148	**BT1B 243414/BT1B 243150**	75.000	160.000	55.000	40.000	58.000	-	5.320
149	**543562 (FERSA=F15048)**	75.000	180.000	60.000	45.000	63.500	-	7.730
150	**32016 X**	80.000	125.000	29.000	22.000	29.000	-	1.270
151	**33116**	80.000	130.000	37.000	29.000	37.000	-	1.818
152	**30216**	80.000	140.000	26.000	22.000	28.250	-	1.610
153	**32216**	80.000	140.000	33.000	28.000	35.250	-	2.050
154	**TT 801401 (FAG=804358, FERSA=F15156)**	80.000	140.000	39.250	32.000	39.250	-	2.560
155	**30316**	80.000	170.000	39.000	33.000	42.500	-	4.410
156	**32017X**	85.000	130.000	29.000	22.000	29.000	-	1.330
157	**33017**	85.000	130.000	36.000	29.500	36.000	-	1.750
158	**33117**	85.000	140.000	41.000	32.000	41.000	-	2.450
159	**30217R**	85.000	150.000	28.000	24.000	30.500	-	2.025
160	**30217R/BT-1010**	85.000	150.000	28.000	24.000	30.500	-	2.030
161	**30217**	85.000	150.000	28.000	24.000	30.500	-	2.100
162	**32217**	85.000	150.000	36.000	30.000	38.500	-	2.600
163	**32217K**	85.000	150.000	36.000	30.000	38.500	-	2.750
164	**F-805576.04**	85.000	150.000	36.000	30.000	38.500	-	2.682
165	**33217**	85.000	150.000	49.000	37.000	49.000	-	3.700
166	**31317 (30317D)**	85.000	180.000	41.000	28.000	44.500	-	4.600
167	**32018X**	90.000	140.000	32.000	24.000	32.000	-	1.707
168	**33018**	90.000	140.000	39.000	32.500	39.000	-	2.200
169	**33118**	90.000	150.000	45.000	35.000	45.000	-	3.084
170	**30218**	90.000	160.000	30.000	26.000	32.500	-	2.550
171	**32218**	90.000	160.000	40.000	34.000	42.500	-	3.510
172	**31318**	90.000	190.000	43.000	30.000	46.500	-	5.350
173	**32019X**	95.000	145.000	32.000	24.000	32.000	-	1.890
174	**33019**	95.000	145.000	39.000	32.500	39.000	-	2.315
175	**32219**	95.000	170.000	43.000	37.000	45.500	-	4.050
176	**31319 (30319D)**	95.000	200.000	45.000	32.000	49.500	-	6.950



Tapered Roller Bearings - Metric Series

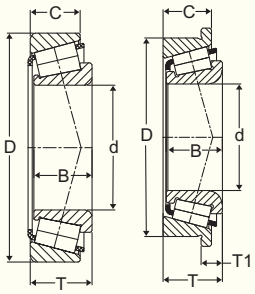
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
177	**32020L**	100.000	150.000	29.000	25.000	32.000	-	1.810
178	**32020X**	100.000	150.000	32.000	24.000	32.000	-	1.880
179	**33020**	100.000	150.000	39.000	32.500	39.000	-	2.400
180	**33020R (FERSA=33020 F.561694)**	100.000	150.000	39.000	32.500	39.000	-	2.400
181	**TT 1001601 (FERSA=F15200, FAG=T5ED100.576376)**	100.000	160.000	40.000	34.000	42.000	-	3.130
182	**32220**	100.000	180.000	46.000	39.000	49.000	-	4.920
183	**33021**	105.000	160.000	43.000	34.000	43.000	-	3.050
184	**32022X/105 (FAG=528946, SKF=331126Q, FERSA=F15076)**	105.000	170.000	38.000	29.000	38.000	-	3.320
185	**32022X**	110.000	170.000	38.000	29.000	38.000	-	3.070
186	**33022**	110.000	170.000	47.000	37.000	47.000	-	3.850
187	**32222**	110.000	200.000	53.000	46.000	56.000	-	7.140
188	**32024X**	120.000	180.000	38.000	29.000	38.000	-	3.228



TURBO BEARINGS

Tapered Roller Bearings - Inch Series

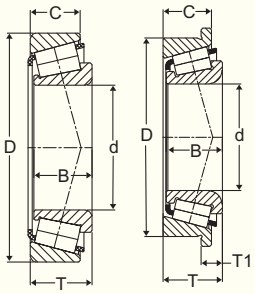
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
1	**11590/11520**	15.875	42.862	14.288	9.525	14.288	-	0.101
2	**HM 81649/HM 81610**	15.987	46.975	21.000	16.000	21.000	-	0.190
3	**LM 11949/LM 11910**	19.050	45.237	16.637	12.065	15.494	-	0.132
4	**09067/09195**	19.050	49.225	19.050	14.288	18.034	-	0.180
5	**21075/21212**	19.050	53.975	21.839	15.875	22.225	-	0.246
6	**M12649hg/M12610hg**	21.430	50.005	17.788	13.470	17.026	-	0.170
7	**M 12649/M 12610**	21.430	50.005	18.288	13.970	17.526	-	0.170
8	**3659 CONE**	23.812	-	30.416	-	-	-	0.290
9	**3659/3620**	23.812	61.912	30.416	23.812	28.575	-	0.440
10	**TT 24001 Assy Cone (FERSA=F15084)**	24.000	-	28.500	-	-	-	0.225
11	**L 44643/L 44610**	25.400	50.292	14.732	10.668	14.224	-	0.130
12	**15100-S/15250X**	25.400	63.500	20.638	15.875	20.638	-	0.317
13	**12435**	25.987	59.800	17.500	13.500	17.750	-	0.235
14	**L 44649/L 44610**	26.988	50.292	14.732	10.668	14.224	-	0.110
15	**TT 27501 (FERSA=F15308)**	26.988	50.292	14.732	10.668	14.224	-	0.120
16	**TT 28001 (TIMKEN=JXC 6839 CD, FERSA=F15101)**	28.000	90.975	32.000	26.500	32.000	-	1.015
17	**1985/1930**	28.575	56.896	19.355	15.875	19.845	-	0.220
18	**15590/15520**	28.575	57.150	17.462	13.495	17.462	-	0.192
19	**1988/1922**	28.575	57.150	19.355	15.875	19.845	-	0.220
20	**02872/02820**	28.575	73.025	22.225	17.462	22.225	-	0.480
21	**14118/14283**	30.000	72.085	19.202	18.415	22.385	-	0.437
22	**M 88043/M 88010 B**	30.162	68.262	22.225	17.462	22.225	8.730	0.430
23	**14116/14283**	30.226	72.085	19.583	18.415	22.385	-	0.440
24	**LM 67048/LM 67010**	31.750	59.131	16.764	11.811	15.875	-	0.180
25	**LM 67048/LM 67010 BCE**	31.750	59.131	16.764	16.891	20.166	6.375	0.249
26	**15125/15243**	31.750	61.912	20.638	14.288	19.050	-	0.240
27	**15123/15245**	31.750	62.000	19.050	14.288	18.161	-	0.245
28	**TT 32621 (TIMKEN=NP 390444/ NP 750997, FERSA=F15198)**	31.750	62.000	19.050	14.732	18.661	7.938	0.250
29	**2580/2520**	31.750	66.421	25.357	20.638	25.400	-	0.400



TURBO® BEARINGS

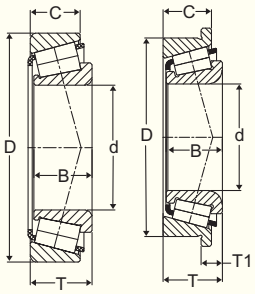
Tapered Roller Bearings - Inch Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
30	**3188-S/3120**	31.750	72.626	29.997	23.812	30.162	-	0.565
31	**TT 32001 (TIMKEN=JXC 25662 C, NP 586296, FERSA=F15110)**	32.000	-	29.500	-	-	-	0.411
32	**2585/2523**	33.338	69.850	25.357	19.050	23.812	-	0.430
33	**LM 48548/LM 48510**	34.925	65.088	18.288	13.970	18.034	-	0.270
34	**25877/25820**	34.925	73.025	24.608	19.050	23.812	-	0.460
35	**25877/25821**	34.925	73.025	24.608	19.050	23.812	-	0.470
36	**23690/23620**	34.925	73.025	26.975	22.225	26.988	-	0.508
37	**2796/2729**	34.925	76.200	25.654	19.050	23.775	-	0.540
38	**31593/31520**	34.925	76.200	28.575	23.812	29.370	-	0.628
39	**31594/31520**	34.925	76.200	28.575	23.812	29.370	-	0.628
40	**L 68149/L 68110**	34.988	59.131	16.764	11.938	15.875	-	0.170
41	**46143/46368**	36.512	93.662	31.750	26.195	31.750	-	1.350
42	**JL 69349A/JL 69310**	38.000	63.000	17.000	13.500	17.000	-	0.200
43	**JL 69349/JL 69310**	38.000	63.000	17.000	13.500	17.000	-	0.200
44	**13687/13621**	38.100	69.012	19.050	15.083	19.050	-	0.290
45	**13686/13620**	38.100	69.012	26.195	15.083	26.195	-	0.350
46	**3490/3420**	38.100	79.375	29.771	23.812	29.370	-	0.670
47	**HM 801346/ HM 801310**	38.100	82.550	28.575	23.020	29.370	-	0.755
48	**25572/25520**	38.100	82.931	25.400	19.050	23.813	-	0.640
49	**418/414**	38.100	88.500	29.083	22.225	26.988	-	0.835
50	**TT 38001 (FERSA=F15131, TIMKEN=NP 457202)**	38.100	-	29.771	-	-	-	0.280
51	**2789/2729**	39.688	76.200	25.654	19.050	23.775	-	0.470
52	**3382/3320**	39.688	80.167	30.391	23.812	29.370	-	0.642
53	**3382 Assy Cone (NTN=ECO 3382)**	39.688	-	30.391	-	-	-	0.445
54	**ECO CIR-0805.2**	39.688	-	40.386	-	-	-	0.702
55	**TT 40002 (FERSA=F15249)**	39.688	-	40.386	-	-	-	0.700



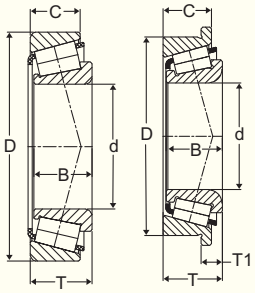
Tapered Roller Bearings - Inch Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
56	**4367/4335**	39.688	90.488	40.386	33.338	39.688	-	1.280
57	**ECO CIR-0810.1 (FERSA=F15298)**	39.688	-	43.050	-	-	-	0.980
58	**HM 204043/HM 204010**	39.987	90.975	32.000	26.500	32.000	-	0.940
59	**344/332**	40.000	80.000	22.403	17.826	21.000	-	0.470
60	**JF 4049/JF 4010**	40.000	85.000	32.500	28.000	33.000	-	0.882
61	**3879/3820**	40.000	85.725	30.162	23.812	30.162	-	0.850
62	**JF 4549 (40 mm)**	40.000	-	35.000	-	-	-	0.890
63	**LM 501349/LM 501310**	41.275	73.431	19.812	14.732	19.558	-	0.340
64	**24780/24720**	41.275	76.200	23.020	17.462	22.225	-	0.430
65	**24780/24721**	41.275	76.200	23.020	20.638	25.400	-	0.470
66	**3877/3820**	41.275	85.725	30.162	23.812	30.162	-	0.792
67	**3585/3525**	41.275	87.312	30.866	23.812	30.162	-	0.780
68	**4388/4335**	41.275	90.488	40.386	33.338	39.688	-	1.265
69	**HM 903245/HM 903210**	41.275	95.250	28.575	22.225	30.958	-	1.050
70	**J 28573/28521 (FERSA=F15278, KOYO=57508 L2/28521)**	42.000	92.075	25.400	19.845	24.607	-	0.830
71	**4395/4335**	42.070	90.488	40.386	33.338	39.688	-	1.245
72	**25577/25523**	42.875	82.931	25.400	22.225	26.988	-	0.610
73	**3578/3520**	44.450	84.138	30.866	23.812	30.163	-	0.690
74	**HM 803149/HM 803110**	44.450	88.900	29.370	23.020	30.162	-	0.840
75	**355X/352**	44.450	90.119	21.692	21.808	23.000	-	0.680
76	**HM 803149/HM 803112**	44.450	92.075	29.370	23.020	30.162	-	0.920
77	**3782/3720**	44.450	93.264	30.302	23.812	30.162	-	0.950
78	**33885/33821**	44.450	95.250	28.575	22.225	27.783	-	0.960
79	**33885/33822**	44.450	95.250	28.575	22.225	27.783	-	0.960
80	**HM 903249/HM 903210**	44.450	95.250	28.575	22.225	30.958	-	1.012
81	**527/522**	44.450	101.600	36.068	26.988	34.925	-	1.350
82	**535/532A**	44.450	111.125	36.957	30.162	38.100	-	1.885
83	**TT 451131 (FAG=518713, SKF=331264, FERSA=F15280)**	44.983	112.712	33.800	25.400	34.512	-	1.600



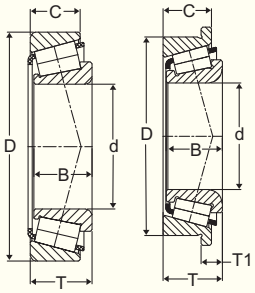
Tapered Roller Bearings - Inch Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
84	**U 497/U 460L**	44.987	79.975	26.000	22.000	24.000	-	0.475
85	**HM 905843/HM 905810**	44.987	104.986	31.750	23.368	32.512	-	1.370
86	**TT 45001 (TIMKEN=NP 057427, FERSA=F15132)**	45.000	-	30.045	-	-	-	0.950
87	**JW 4549/JW 4510**	45.000	95.000	26.500	20.000	29.000	-	0.893
88	**JF 4549/JF 4510 (SKF=T2ED045/Q)**	45.000	95.000	35.000	30.000	36.000	-	1.200
89	**LM 102949/LM 102910**	45.242	73.431	19.812	15.748	19.558	-	0.307
90	**LM 603049/LM 603011**	45.242	77.788	19.842	15.080	19.842	-	0.370
91	**25590/25520**	45.618	82.931	25.400	19.050	23.813	-	0.530
92	**HM 204049/HM 204010**	45.987	90.975	32.000	26.500	32.000	-	0.940
93	**NP837197**	45.987	-	18.000	-	-	-	0.200
94	**18690/18620**	46.038	79.375	17.462	13.495	17.462	-	0.330
95	**359-S/354X**	46.038	85.000	21.692	17.462	20.635	-	0.490
96	**369-S/362A**	47.625	88.900	22.225	16.513	20.638	-	0.550
97	**HM 804846/HM 804810**	47.625	95.250	29.370	23.020	30.162	-	0.980
98	**528/522**	47.625	101.600	36.068	26.988	34.925	-	1.290
99	**536/532X**	47.625	107.950	36.957	28.575	36.512	-	1.590
100	**5395/5335 (FAG=F-809306.TR1)**	49.212	103.188	44.475	36.512	43.657	-	1.680
101	**JM 205149A/JM 205110**	50.000	90.000	28.000	23.000	28.000	-	0.740
102	**CK50K/3720**	50.000	93.264	30.302	23.812	30.162	-	0.870
103	**JF 5049/JF 5010**	50.000	100.000	35.000	30.000	36.000	-	1.300
104	**JW 5049/JW 5010**	50.000	105.000	29.000	22.000	32.000	-	1.230
105	**370A/362A**	50.800	88.900	22.225	16.513	20.638	-	0.510
106	**28580/28520**	50.800	89.980	25.400	19.987	24.750	-	0.660
107	**28580/28521**	50.800	92.075	25.400	19.845	24.607	-	0.700
108	**3775/3720**	50.800	93.264	30.302	23.812	30.162	-	0.850
109	**3780/3720**	50.800	93.264	30.302	23.812	30.162	-	0.840
110	**33889/33822**	50.800	95.250	28.575	22.225	27.783	-	0.880
111	**33889/33821**	50.800	95.250	28.575	22.225	27.783	-	0.850
112	**28580/28527 RB**	50.800	99.995	25.400	19.845	24.607	-	0.890
113	**ECO 529X.1/ECO 520X.1**	50.800	100.000	36.088	26.988	34.925		1.170



Tapered Roller Bearings - Inch Series

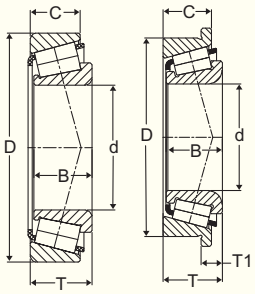
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
114	**529/522**	50.800	101.600	36.068	26.988	34.925	-	1.240
115	**45285A/45221**	50.800	104.775	30.958	23.812	30.162	-	1.210
116	**45285A/CR-1091 (FERSA=F15212)**	50.800	104.775	30.958	23.812	30.162	12.000	1.290
117	**HM 807046/HM 807010**	50.800	104.775	36.512	28.575	36.512	-	1.445
118	**HM 807046/HM 807010 BT**	50.800	104.775	36.512	28.575	36.512	12.000	1.640
119	**4580/4535**	50.800	104.775	40.157	33.338	39.688	-	1.620
120	**455/452**	50.800	107.950	29.317	27.000	32.557	-	1.340
121	**537/532X**	50.800	107.950	36.957	28.575	36.512	-	1.520
122	**55200C/55437**	50.800	111.125	26.909	20.638	30.163	-	1.330
123	**72200C/72487**	50.800	123.825	32.791	25.400	36.512	-	2.142
124	**28584/28521**	52.388	92.075	25.400	19.845	24.607	-	0.670
125	**28584/28523**	52.388	92.075	25.400	23.017	27.780	-	0.730
126	**3767/3720**	52.388	93.264	30.302	23.812	30.162	-	0.810
127	**55206C/55437**	52.388	111.125	26.909	20.638	30.163	-	1.270
128	**539/532X**	53.975	107.950	36.957	28.575	36.512	-	1.500
129	**539/532A**	53.975	111.125	36.957	30.162	38.100	-	1.700
130	**72212/72487**	53.975	123.825	32.791	25.400	36.512	-	2.030
131	**72212C/72487**	53.975	123.825	32.791	25.400	36.512	-	2.130
132	**78215C/78551**	53.975	140.030	33.236	23.520	36.513	-	2.750
133	**HM 807048/HM 807010**	54.488	104.775	36.512	28.575	36.512	-	1.410
134	**JLM 506849A/JLM 506811**	55.000	90.000	23.000	20.500	25.000	-	0.542
135	**JM 207049/JM 207010**	55.000	95.000	29.000	23.500	29.000	-	0.540
136	**JW 5549/JW 5510**	55.000	115.000	31.000	23.500	34.000	-	1.558
137	**387/382**	57.150	98.425	21.945	17.825	21.000	-	0.630
138	**462/453X**	57.150	104.775	29.317	24.605	30.162	-	1.030
139	**462A/453X**	57.150	104.775	29.317	24.605	30.162	-	1.050
140	**45289/45220**	57.150	104.775	30.958	23.812	30.162	-	1.100
141	**3979/3925**	57.150	112.712	30.048	23.812	30.163	-	1.380
142	**39580/39520**	57.150	112.712	30.162	23.812	30.162	-	1.440
143	**39581/39520**	57.150	112.712	30.162	23.812	30.162	-	1.400
144	**39580/39528**	57.150	119.985	30.162	26.949	32.751	-	1.730
145	**555-S/552A**	57.150	123.825	36.678	30.162	38.100	-	2.150



TURBO BEARINGS

Tapered Roller Bearings - Inch Series

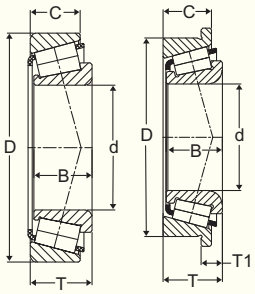
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
146	**78225C/78551**	57.150	140.030	33.236	23.520	36.513	-	2.690
147	**JF 6049/JF 6010 (SKF=T2EE060/Q)**	60.000	115.000	39.000	33.000	40.000	-	1.850
148	**476/472**	60.000	120.000	29.007	24.237	29.795	-	1.550
149	**JW 6049/JW 6010**	60.000	125.000	33.500	26.000	37.000	-	2.020
150	**JW 6049R/JW 6010R (FAG=805050, FERSA=F15270)**	60.000	125.000	33.500	26.000	37.000	-	2.000
151	**28985/28920**	60.325	101.600	25.400	19.845	25.400	-	0.786
152	**28985/28921**	60.325	100.000	25.400	19.845	25.400	-	0.750
153	**65237/65500B**	60.325	127.000	44.450	34.925	44.450	16.670	2.570
154	**65237/65500**	60.325	127.000	44.450	34.925	44.450	-	2.590
155	**HM 911245/HM 911210**	60.325	130.175	33.338	23.812	36.513	-	2.070
156	**H 913842/H 913810**	61.912	146.050	39.688	25.400	41.275	-	3.110
157	**392/394A**	61.913	111.000	21.996	18.824	22.000	-	0.870
158	**L 910349/L 910310**	63.485	94.975	15.500	12.000	17.000	-	0.375
159	**395/394A**	63.500	110.000	21.996	18.824	22.000	-	0.810
160	**3982X/3927XSXI**	63.500	110.000	30.048	23.020	29.370	-	1.100
161	**3982/3927X**	63.500	110.000	30.048	23.812	30.162	-	1.131
162	**3982/3920**	63.500	112.712	30.048	23.812	30.162	-	1.225
163	**39585/39520**	63.500	112.712	30.162	23.812	30.162	-	1.240
164	**HM 212047/HM 212010**	63.500	122.238	38.354	29.718	38.100	-	1.936
165	**559 / 552A**	63.500	123.825	36.678	30.162	38.100	-	1.979
166	**565/562**	63.500	129.985	34.000	28.000	37.000	-	2.060
167	**JLM 710949C/JLM 710910**	65.000	105.000	23.000	18.500	24.000	-	0.736
168	**JM 511945/JM 511910**	65.000	110.000	30.000	22.500	28.000	-	1.070
169	**JD 6549/JD 6510**	65.000	110.000	31.000	25.000	31.000	-	1.250
170	**JM 511945/3920**	65.000	112.712	30.000	23.812	29.020	-	1.175
171	**6379/6320**	65.088	135.755	56.007	44.450	53.975	-	3.662
172	**H 212749/H 212710**	65.987	123.975	41.500	34.000	41.500	-	2.200
173	**395A/394A**	66.675	110.000	21.996	18.824	22.000	-	0.790
174	**395-S/394A**	66.675	110.000	21.996	18.824	22.000	-	0.780
175	**3994/3920**	66.675	112.712	30.048	23.812	30.162	-	1.140
176	**3984/3920**	66.675	112.712	30.048	23.812	30.162	-	1.187



TURBO BEARINGS

Tapered Roller Bearings - Inch Series

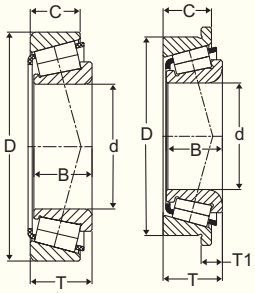
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
177	**39590/39520**	66.675	112.712	30.162	23.812	30.162	-	1.170
178	**641/633**	66.675	130.175	41.275	31.750	41.275	-	2.369
179	**641/632**	66.675	136.525	41.275	31.750	41.275	-	2.730
180	**H 414242/H 414210**	66.675	136.525	41.275	31.750	41.275	-	2.725
181	**399A/394A**	68.262	110.000	21.996	18.824	22.000	-	0.765
182	**L 713049/L 713010**	69.850	101.600	19.050	15.083	19.050	-	0.500
183	**29675/29620**	69.850	112.712	25.400	19.050	25.400	-	0.960
184	**33275/33462**	69.850	117.475	30.163	23.813	30.163	-	1.248
185	**482/472**	69.850	120.000	29.007	24.237	29.795	-	1.330
186	**47487/47420X**	69.850	120.000	32.545	26.195	32.545	-	1.500
187	**566/563**	69.850	127.000	36.170	28.575	36.512	-	1.945
188	**643/632**	69.850	136.525	41.275	31.750	41.275	-	2.670
189	**H 913849/H913810**	69.850	146.050	39.688	25.400	41.275		2.914
190	**JW 7049/JW 7010**	70.000	140.000	35.500	27.000	39.000	-	2.650
191	**47490/47420**	71.438	120.000	32.545	26.195	32.545	-	1.420
192	**29685/29620**	73.025	112.712	25.400	19.050	25.400	-	0.890
193	**567/563**	73.025	127.000	36.170	28.575	36.512	-	1.790
194	**576/572**	73.025	139.992	36.098	28.575	36.512	-	2.470
195	**HM 215249/HM 215210**	75.987	131.975	39.000	32.000	39.000	-	2.110
196	**34300/34478B**	76.200	121.442	23.012	17.463	24.607	11.907	1.000
197	**34300/34478**	76.200	121.442	23.012	17.463	24.608	-	0.954
198	**495A/492A**	76.200	133.350	29.769	22.225	30.163	-	1.670
199	**575/572X**	76.200	139.700	36.098	28.575	36.512	-	2.360
200	**575/572XR**	76.200	139.700	36.098	28.575	36.512	-	2.370
201	**575/572**	76.200	139.992	36.098	28.575	36.512	-	2.450
202	**659/653**	76.200	146.050	41.275	31.750	41.275	-	3.000
203	**6461/6420**	76.200	149.225	54.229	44.450	53.975	-	4.185
204	**4277 (FAG=575194, FERSA=F15246)**	80.000	130.000	36.000	29.500	36.000	12.000	1.960
205	**TT 801402 (FAG=568742 A, FERSA=F15191)**	80.000	139.992	36.098	28.575	36.513	14.288	2.380



TURBO® BEARINGS

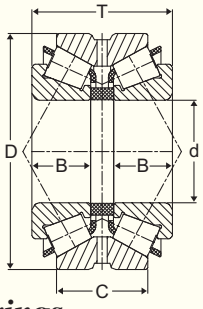
Tapered Roller Bearings - Inch Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
206	**TT 821402 (FERSA=F15252, SKF=BT1 0163, TIMKEN=NP 569484/ NP 644537)**	82.000	140.000	36.100	28.575	36.500	-	2.100
207	**27687/27620**	82.550	125.412	25.400	19.845	25.400	-	1.100
208	**HM 516449/HM 516410**	82.550	133.350	39.688	32.545	39.688	-	2.130
219	**495/493A**	82.550	134.976	29.769	22.225	30.162	-	1.550
210	**580/572**	82.550	139.992	36.098	28.575	36.512	-	2.200
211	**498/492A**	84.138	133.350	29.769	22.225	30.163	-	1.450
212	**JM 716649/JM 716610**	85.000	130.000	29.000	24.000	30.000	-	1.350
213	**JHM 516849/JHM 516810**	85.000	140.000	38.000	31.500	39.000	-	2.700
214	**749/742**	85.026	150.089	46.672	36.512	44.450	-	3.240
215	**LL 217849/LL 217810**	88.900	121.442	15.083	11.112	15.083	-	0.470
216	**HM 218248/HM 218210**	89.974	146.975	40.000	32.500	40.000	-	2.560
217	**JM 718149/JM 718110**	90.000	145.000	34.000	27.000	35.000	-	2.140
218	**JM 718149A/JM 718110**	90.000	145.000	34.000	27.000	35.000	-	2.130
229	**47890/47820**	92.075	146.050	34.925	26.195	33.338	-	2.570
220	**42362/42584**	92.075	148.430	28.971	21.433	28.575	-	1.760
221	**598A/593X**	92.075	150.000	36.322	27.000	35.992	-	2.370
222	**598A/592A**	92.075	152.400	36.322	30.162	39.688	-	2.650
223	**598/592A**	92.075	152.400	36.322	30.162	39.688	-	2.690
224	**JL 819349/JL 819310**	95.000	135.000	20.000	14.000	20.000	-	0.825
225	**JM 719149/JM 719113**	95.000	150.000	34.000	27.000	35.000	-	2.170
226	**JF 9549/JF 9510**	95.000	160.000	46.000	38.000	46.000	-	3.700
227	**LL 319349/LL 319310**	95.250	128.587	15.083	11.908	15.875	-	0.530
228	**L 319249/L 319210**	95.250	130.175	21.433	16.670	20.638	-	0.789
229	**594/593X**	95.250	150.000	36.322	27.000	35.992	-	2.200
230	**594A/593X**	95.250	150.000	36.322	27.000	35.992	-	2.260
231	**594/592A**	95.250	152.400	36.322	30.162	39.688	-	2.550
232	**594A/592A**	95.250	152.400	36.322	30.162	39.688	-	2.540
233	**594/592**	95.250	152.400	36.322	33.338	39.688	-	2.610
234	**683/672**	95.250	168.275	41.275	30.162	41.275	-	3.720
235	**HM 220149/HM 220110**	99.974	156.975	42.000	34.000	42.000	-	2.900
236	**JP 10049/JP 10010**	100.000	145.000	22.500	17.500	24.000	-	1.155



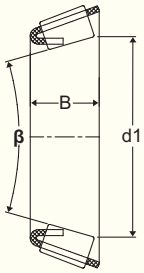
Tapered Roller Bearings - Inch Series

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)						MASS (~Kg.)
		d	D	B	C	T	T1	
237	**JM 720249 / JM 720210**	100.000	155.000	35.000	28.000	36.000	-	2.370
238	**JHM 720249/JHM 720210**	100.000	160.000	40.000	32.000	41.000	-	3.000
239	**JF 10049/JF 10010**	100.000	165.000	46.000	39.000	47.000	-	3.830
240	**687/672**	101.600	168.275	41.275	30.162	41.275	-	3.405
241	**L 521949/L 521910**	107.950	146.050	21.433	16.670	21.433	-	0.970
242	**37425/37625**	107.950	158.750	21.438	15.875	23.020	-	1.400
243	**56425/56650**	107.950	165.100	36.512	26.988	36.512	-	2.600
244	**37431/37625**	109.538	158.750	21.438	15.875	23.020	-	1.373
245	**37431A/37625**	109.538	158.750	21.438	15.875	23.020	-	1.371
246	**JHM 522649/JHM 522610**	110.000	180.000	46.000	38.000	47.000	-	4.540
247	**L 623149/L 623110**	114.300	152.400	21.433	16.670	21.432	-	1.036
248	**JP 12049/JP 12010**	120.000	170.000	25.000	19.500	27.000	-	1.700
259	**JP 12049A/JP 12010**	120.000	170.000	25.000	19.500	27.000	-	1.680
250	**LL 225749/LL 225710**	127.000	165.895	17.462	13.495	18.258	-	0.920
251	**JP 13049 / JP 13010**	130.000	185.000	27.000	21.000	29.000	-	2.243
252	**67391/67322**	133.350	196.850	46.038	38.100	46.038	-	4.520
253	**LM 330448/LM 330410**	152.400	203.200	41.275	34.925	41.275	-	3.470
254	**L 432348/L 432310**	158.750	205.582	23.812	18.258	23.812	-	1.860



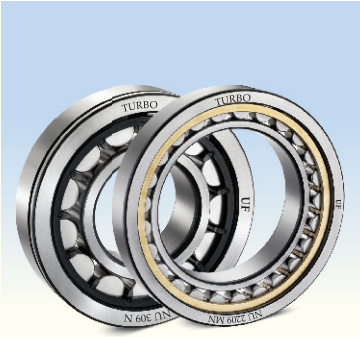
Double Row Tapered Roller Bearings

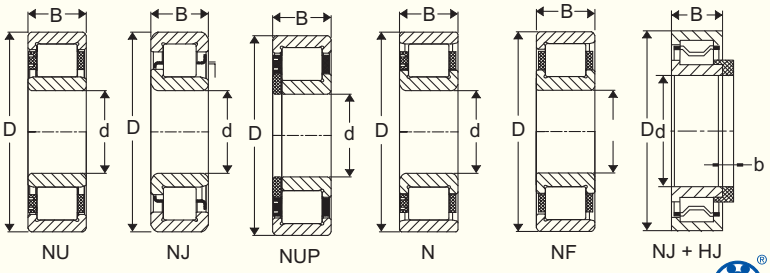
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	B	C	T	
1	**46T101107RC3**	49.987	114.981	28.468	44.450	68.260	3.100
2	**TT 681271 (SKF=BT1B 0018 A, FAG=201037,571762.01H195, FERSA=F15097)**	68.000	127.000	57.500	115.000	115.000	6.150
3	**TT 821401 (SKF=BTH 0055,VKBA5412, FAG=805003 A.H195, FERSA=F15100)**	82.000	140.000	57.500	115.000	115.000	7.710



Tapered Roller Steering Bearings

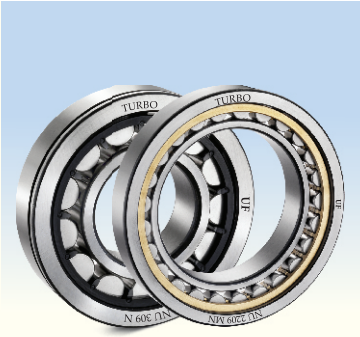
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d1	B	ß	
1	**35 BC**	43.650	15.000	31°52"	0.063

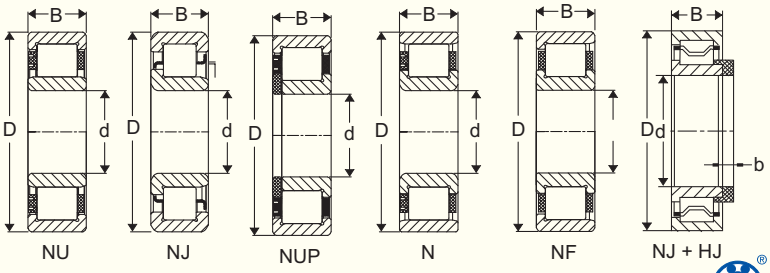




Cylindrical Roller Bearings - Standard

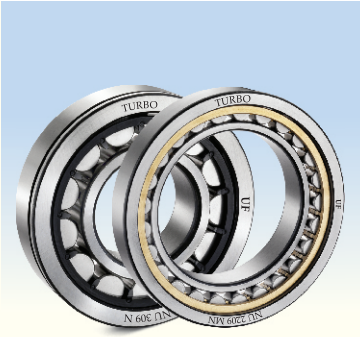
SR. NO.	BEARING NO.	BOUNDARY DIMENSION (in m.m.)				MASS (~Kg.)
		d	D	B	b	
1	**NU 202 EM**	15.000	35.000	11.000	-	0.055
2	**NF 302 M**	15.000	42.000	13.000	-	0.090
3	**N 204**	20.000	47.000	14.000	-	0.120
4	**NJ 204 ETN**	20.000	47.000	14.000	-	0.110
5	**NUP 304 EM C3**	20.000	52.000	15.000	-	0.180
6	**NU 205 M**	25.000	52.000	15.000	-	0.150
7	**NJ 2205 M**	25.000	52.000	18.000	-	0.165
8	**NUP 2205 EM**	25.000	52.000	18.000	-	0.170
9	**N 2205 EM**	25.000	52.000	18.000	-	0.178
10	**NU 305**	25.000	62.000	17.000	-	0.240
11	**NJ 305 EC**	25.000	62.000	17.000	-	0.246
12	**N 305 EM**	25.000	62.000	17.000	-	0.280
13	**NJ 405 M**	25.000	80.000	21.000	-	0.580
14	**NU 206 E**	30.000	62.000	16.000	-	0.220
15	**NUP 206 E**	30.000	62.000	16.000	-	0.230
16	**N 206 EM**	30.000	62.000	16.000	-	0.220
17	**N 2206 M**	30.000	62.000	20.000	-	0.285
18	**NJ 306 E**	30.000	72.000	19.000	-	0.400
19	**NU 2306 EM C3**	30.000	72.000	27.000	-	0.580
20	**NJ 406**	30.000	90.000	23.000	-	0.785
21	**NU 1007 M**	35.000	62.000	14.000	-	0.171
22	**NU 2207 EM**	35.000	72.000	23.000	-	0.460
23	**N 2207 EMN**	35.000	72.000	23.000	-	0.445
24	**NU 307 MN**	35.000	80.000	23.000	-	0.585
25	**NUP 307 EP**	35.000	80.000	21.000	-	0.560
26	**N 307 E**	35.000	80.000	21.000	-	0.525
27	**NU 2307 EM C3**	35.000	80.000	31.000	-	0.780
28	**NU 1008 M**	40.000	68.000	15.000	-	0.220
29	**NU 208 EMN C3**	40.000	80.000	18.000	-	0.426
30	**NJ 208 EP**	40.000	80.000	18.000	-	0.435
31	**NUP 208 EM**	40.000	80.000	18.000	-	0.440
32	**NF 208 EM**	40.000	80.000	18.000	-	0.425
33	**NJ 2208E C5**	40.000	80.000	23.000	-	0.518 (ST)
34	**N 2208 EMN**	40.000	80.000	23.000	-	0.520
35	**NU 308 EM**	40.000	90.000	23.000	-	0.650
36	**NJ 308 EM**	40.000	90.000	23.000	-	0.670

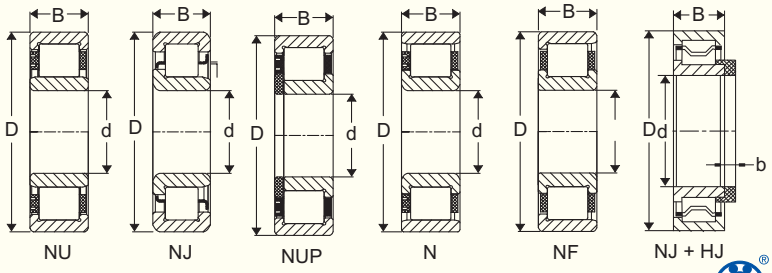




Cylindrical Roller Bearings - Standard

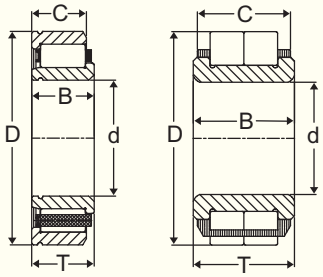
SR. NO.	BEARING NO.	BOUNDARY DIMENSION (in m.m.)				MASS (~Kg.)
		d	D	B	b	
37	**NUP 308 EM**	40.000	90.000	23.000	-	0.680
38	**NUP 308 EP**	40.000	90.000	23.000	-	0.675
39	**NU 1009 M**	45.000	75.000	16.000	-	0.270
40	**NUP 1009 M**	45.000	75.000	16.000	-	0.290
41	**NUP 1009 FP**	45.000	75.000	16.000	-	0.280
42	**NU 209 EMN**	45.000	85.000	19.000	-	0.482
43	**NJ 209 EM**	45.000	85.000	19.000	-	0.490
44	**NUP 209 EM**	45.000	85.000	19.000	-	0.500
45	**NF 209 EM**	45.000	85.000	19.000	-	0.480
46	**NU 2209 EMN**	45.000	85.000	23.000	-	0.520
47	**NU 309 EMN**	45.000	100.000	25.000	-	0.855
48	**NJ 309 E**	45.000	100.000	25.000	-	0.965
49	**NUP 309 E**	45.000	100.000	25.000	-	0.980
50	**NUP 309 EP**	45.000	100.000	25.000	-	0.950
51	**NJ 210 EM**	50.000	90.000	20.000	-	0.490
52	**NUP 210 EM**	50.000	90.000	20.000	-	0.520
53	**N 210**	50.000	90.000	20.000	-	0.480
54	**NJ 2210E C5**	50.000	90.000	23.000	-	0.580
55	**NUP 2210 E**	50.000	90.000	23.000	-	0.600
56	**NJ 2210E + HJ 210E**	50.000	90.000	23.000	5.000	0.645
57	**NU 310 EM**	50.000	110.000	27.000	-	1.140
58	**NJ 310 EM**	50.000	110.000	27.000	-	1.200
59	**NUP 310 EM C3**	50.000	110.000	27.000	-	1.220
60	**NUP 310 EP**	50.000	110.000	27.000	-	1.175
61	**NU 1011**	55.000	90.000	18.000	-	0.440
62	**NJ 211 E**	55.000	100.000	21.000	-	0.720
63	**NUP 211 EM C3**	55.000	100.000	21.000	-	0.730
64	**N 211 EMNR C4**	55.000	100.000	21.000	-	0.700
65	**NF 211 M**	55.000	100.000	21.000	-	0.740
66	**NU 311 EM**	55.000	120.000	29.000	-	1.450
67	**NUP 311 EMNR C3**	55.000	120.000	29.000	-	1.550
68	**NUP 212 EM**	60.000	110.000	22.000	-	0.900
69	**NF 212 M**	60.000	110.000	22.000	-	0.920
70	**NU 2212 ECP C3**	60.000	110.000	28.000	-	1.110
71	**NUP 2212 EM C3**	60.000	110.000	28.000	-	1.215





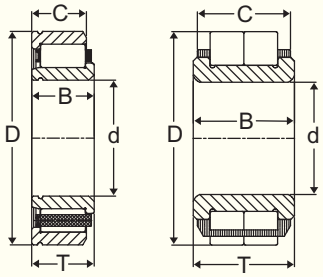
Cylindrical Roller Bearings - Standard

SR. NO.	BEARING NO.	BOUNDARY DIMENSION (in m.m.)				MASS (~Kg.)
		d	D	B	b	
72	**NUP 2212 EMNR C3**	60.000	110.000	28.000	-	1.235
73	**NUP 2212 EP**	60.000	110.000	28.000	-	1.130
74	**NUP 312 MNR C3**	60.000	130.000	31.000	-	2.100
75	**NUP 213 EPNR**	65.000	120.000	23.000	-	1.098
76	**NJ 1014**	70.000	110.000	20.000	-	0.700
77	**NU 214 M C3**	70.000	125.000	24.000	-	1.150
78	**NUP 314 EMNR C3**	70.000	150.000	35.000	-	3.100
79	**NJ 215 E**	75.000	130.000	25.000	-	1.265
80	**N 215**	75.000	130.000	25.000	-	1.195
81	**NU 2215 E**	75.000	130.000	31.000	-	1.550
82	**NF 216 M**	80.000	140.000	26.000	-	1.680
83	**NU 2216 E**	80.000	140.000	33.000	-	2.050
84	**NU 1017 M**	85.000	130.000	22.000	-	1.000
85	**NJ 1024**	120.000	180.000	28.000	-	2.480
86	**RNU 1024**	(135.000)	180.000	28.000	-	1.800



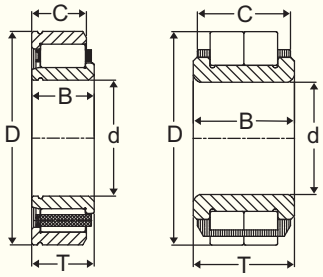
Cylindrical Roller Bearings - Special

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	B	C	T	
1	**CRL-6**	19.050	47.625	14.285	14.285	14.285	0.130
2	**JC 8037**	22.000	58.000	17.000	16.000	17.000	0.236
3	**60742058**	25.000	(46.500)	15.000	-	-	0.156
4	**JC-8005**	25.000	62.000	20.000	29.500	29.500	0.395
5	**LO-64**	25.400	(53.975)	28.575	-	-	0.079
6	**2300-6872-10CS**	28.000	80.000	21.000	21.000	21.000	0.582
7	**TC 3000 (INA / FAG =87486, FERSA=F19075)**	30.000	(60.000)	23.000	-	-	0.301
8	**512533 (FERSA=F19019,252 PINA = 31173, 315145 SKF =315145)**	30.000	(60.000)	26.000	-	-	0.325
9	**06 NU 0624 (411919)**	30.000	62.000	24.000	24.000	24.000	0.343
10	**NU 2306/28**	30.000	72.000	29.200	27.000	29.200	0.520
11	**CFM-10**	31.750	79.375	22.225	22.250	22.225	0.541
12	**TC 35802 (FAG=510148B, FERSA=F19043)**	34.993	80.000	23.000	23.000	23.000	0.520
13	**JC 8015**	(35.000)	57.000	-	15.000	-	0.125
14	**NKZ 35X56X27**	35.000	(56.000)	27.000	-	-	0.500
15	**TC 35621 (INA=F 43710.1, FERSA=F19066)**	35.000	62.100	19.000	16.700	19.000	0.210
16	**UV35-5**	35.000	(65.000)	27.000	-	-	0.338
17	**TC 35001 (INA/FAG=F88545B, FERSA=F19037)**	35.000	(68.000)	25.000	-	-	0.370
18	**TC 3572231 (FAG= 510848)**	35.000	72.000	23.000	23.000	23.000	0.445
19	**TC 3580 (SJF=316790, FAG=510148A, FERSA=F19012)**	35.000	80.000	23.000	23.000	23.000	0.580



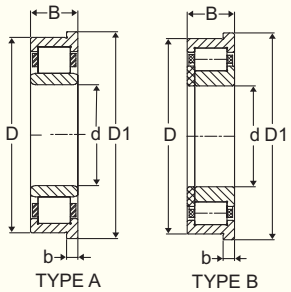
Cylindrical Roller Bearings - Special

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	B	C	T	
20	**TC 00621 (BOWER USA=M 1206 E, FERSA=F19068)**	(38.000)	62.000	-	16.000	-	0.176
21	**TC 38831 (LBC CHNIA=BS 500052V FERSA=F19067)**	38.000	83.000	25.400	25.400	25.400	0.620
22	**TC 40001 (SKF=BC1B 246037 A, FERSA=F19065)**	40.000	(74.000)	29.000	-	-	0.490
23	**403635**	(45.000)	90.000	-	23.000	-	0.570
24	**NS 1909 L (SKF=314984 , INA=F45814, FAG=505563A, FERSA=F19015)**	45.000	95.000	32.000	28.000	32.000	1.070
25	**TC 451004 (FAG=508204E.TVP, FERSA=F19044)**	45.000	100.000	25.000	25.000	25.000	0.865
26	**TC 451005 (SKF=BC1B 320308 A, FERSA=F19063)**	45.000	100.000	31.000	31.000	31.000	1.175
27	**191584**	46.000	80.000	23.500	23.000	23.500	0.500
28	**TC 00801 (INA=F 237594, FERSA=F19069)**	(47.500)	80.000	26.500	-	-	0.442
29	**TC 501101 (SKF=BC1 0058, FERSA=F19070)**	50.000	110.000	32.300	27.000	32.300	1.375
30	**TC 501102 (SKF=BC1 0125, FERSA=F19071)**	50.000	110.000	32.300	27.000	32.300	1.288
31	**TC 551041 (INA=F-221302.1)**	55.000	104.000	27.000	27.000	27.000	0.950



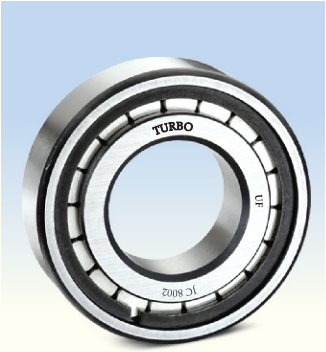
Cylindrical Roller Bearings - Special

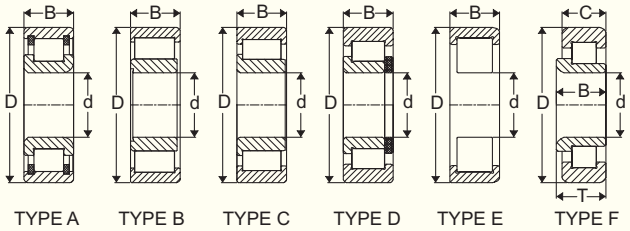
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	B	C	T	
32	**TC 601102 (FAG=804339, FERSA=F19042)**	60.000	110.000	28.000	28.000	28.000	1.110
33	**TC 63001 (INA=F90836.1A, FERSA=F19016)**	63.000	(97.500)	34.800	-	-	0.720
34	**TC 63002 (INA=F888162.2, FERSA=F19038)**	63.000	(97.500)	37.500	-	-	0.760
35	**TC 671011 (INA=F 211413.2, FERSA=F19061)**	67.000	(101.000)	32.000	-	-	0.665
36	**TC 671012 (INA=F 211408.5, FERSA=F19062)**	67.000	(101.000)	38.000	-	-	0.720



Cylindrical Roller Bearings - With Flanged Outer

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)	Type
		d	D	D1	B	b		
1	**TC 501001 (SKF=BC1B 322467/HB3, FERSA=F19046)**	50.000	100.000	106.000	25.000	6.000	1.030	B
2	**TC 601101 (SKF=315070B, FAG=512099 TVP2, FERSA=F19011)**	60.000	110.000	116.000	22.000	8.000	0.970	A
3	**TC 601161 (SKF=BC1B 322172A, FERSA=F19047)**	60.000	110.000	116.000	28.000	23.000	1.410	B
4	**TC 601301 (SKF=635245, FAG=540106, FERSA=F19009)**	60.000	130.000	136.850	31.000	5.000	0.079	B
5	**TC 651402 (SKF=BC1B 319546C/VB017, FERSA= F19064)**	65.000	140.000	146.000	33.000	8.000	2.420	B
6	**TC 651401 (FAG=805449, FERSA=F19010)**	65.000	140.000	147.750	33.350	5.000	2.700	B
7	**TC 801401 (SKF=BC1B-312219, FAG=805450, FERSA=F19039)**	80.000	140.000	147.000	33.500	5.100	2.340	B
8	**TC 801501 (SKF=BC1B 322161, BC1B 319552, FAG=566616 B, ZF=0750 118 131 ZF FERSA=F19008)**	80.000	150.000	157.022	27.500	5.000	2.430	B
9	**TC 851501 (FAG=NUP 524213 M, FERSA=F19022)**	84.980	150.000	157.022	27.500	5.000	2.300	B
10	**TC 851502 (FAG=524213, FERSA=F19018)**	84.980	150.000	157.022	28.000	5.000	2.300	B

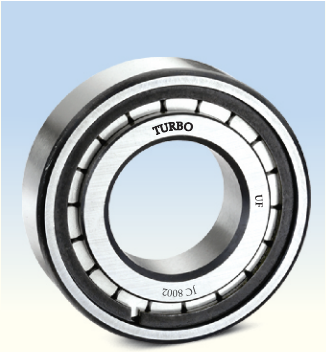


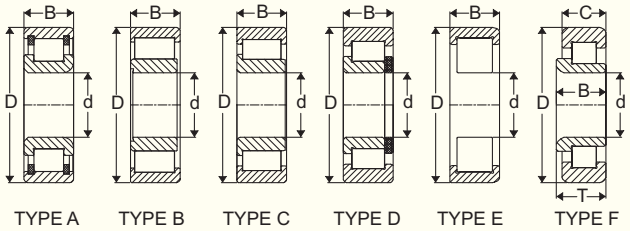


TURBO BEARINGS®

Single Row Cylindrical Roller Bearings - Full Compliment

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)	Type
		d	D	D1	B	b		
1	**TC 24001 (Torrington=544740 B, FERSA=F19032)**	24.000	(38.700)	17.000	-	-	0.070	A
2	**NK30.5x50x17-1 Px1R Z24x34x19PX1**	24.000	50.000	19.000	17.000	19.000	0.170	F
3	**TC 25522 (NACHI=NUPK 2205 S1 NR, FERSA=F19023)**	25.000	52.000	18.000	18.000	18.000	0.180	D
4	**TC 25521 (NACHI=NUPK 2205 S13, FERSA=F19004)**	25.000	52.000	20.600	18.000	20.600	0.190	D
5	**NU 2305 VH**	25.000	62.000	24.000	24.000	24.000	0.350	B
6	**TC 30621 (FERSA=F19031)**	30.000	61.935	19.050	-	-	0.280	A
7	**JC 8002 (CBK 238)**	30.000	62.000	19.050	19.050	19.050	0.280	A
8	**TC 30801 (Torrington=MUS 1307 TM, FERSA=F19078)**	30.000	80.000	21.000	21.000	21.000	0.550	A
9	**TC 00551 (Torrington=TJ-600-167, FERSA=F19005)**	(30.500)	54.600	-	22.000	-	0.240	E
10	**TC 00552 (NACHI=31RUKSS2N C3 R, FERSA=F19079)**	(31.100)	55.000	-	20.000	-	0.190	E
11	**BC1-0013A (SNR=N.12680.S04.H100)**	31.990	62.000	18.000	18.000	18.000	0.232	A
12	**TC 35622 (INA=F 84874-10)**	34.990	62.000	40.000	20.000	40.000	0.285	B
13	**TC 35721 (FERSA=F19035, NRB=JC 8018A)**	35.000	72.000	20.650	20.650	20.650	0.380	A
14	**TC 35804 (BOWER=MU1307TH, FERSA=F19077)**	35.000	80.000	21.000	21.000	21.000	0.500	A

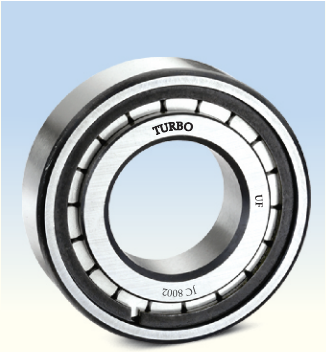


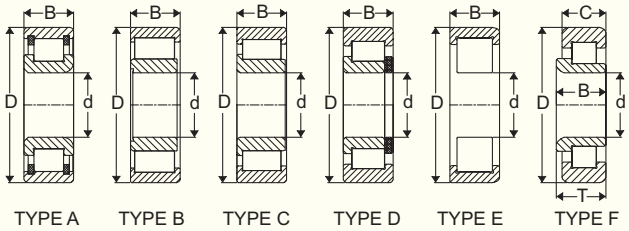


TURBO BEARINGS®

Single Row Cylindrical Roller Bearings - Full Compliment

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)	Type
		d	D	D1	B	b		
15	**TC 35803 (INA=F-45864.1, FERSA=F19020)**	35.000	80.000	22.000	22.000	22.000	0.530	D
16	**SC070902JV**	35.000	90.000	23.000	23.000	23.000	0.156	A
17	**TC 36001 (INA=F 93666.2, FERSA=F19048)**	36.000	(56.300)	-	20.000	-	0.168	A
18	**TC 38901 (SKF=B1CB 246747, FERSA=F19014)**	38.000	90.000	22.000	23.000	23.000	0.750	C
19	**TC 38941 (FAG=580989, FERSA=F19076)**	38.000	94.000	31.500	33.000	33.000	1.169	C
20	**TC 40901 (SKF=Torrington=NJ 308 VH.NR.C4, FERSA=F19006)**	40.000	90.000	23.000	23.000	23.000	0.690	C
21	**TC 40904 (Torrington=MU 1308 UM, FERSA=F19034)**	40.000	90.000	23.000	23.000	23.000	0.714	A
22	**TC 40903 (Torrington=RU 9008 UM, FERSA=F19033)**	40.000	90.000	25.000	25.000	25.000	0.740	A
23	**TC 40902 (INA=F-210540, FERSA=F19013)**	40.000	90.000	24.900	27.000	27.000	0.810	B
24	**TC 40941 (FERSA=F19089)**	40.000	94.000	(96.600)	30.000	30.000	30.000	C
25	**NS1909 B (NRB=JC 8025, FAG=805641)**	45.000	95.000	32.000	31.000	32.000	1.086	C
26	**TC 451002 (SKF=Torrington=NJ 309 VH.NR.C4, FERSA=F19002)**	45.000	100.000	25.000	25.000	25.000	0.960	C

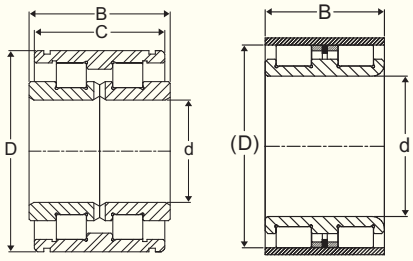




TURBO BEARINGS®

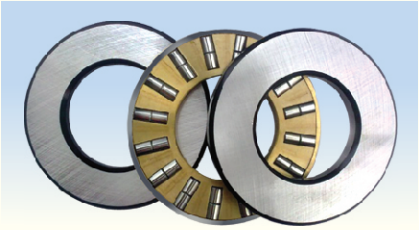
Single Row Cylindrical Roller Bearings - Full Compliment

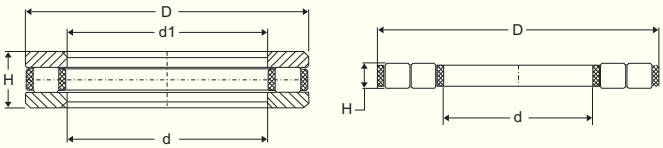
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)	Type
		d	D	D1	B	b		
27	**TC 451003 (SKF=Torrington= NUP 309 VH.NR.C4, FERSA=F19003)**	45.000	100.000	25.000	25.000	25.000	0.990	D
28	**NUPK 309 NR**	45.000	100.000	25.000	25.000	25.000	1.008	D
29	**TC 451008 (FERSA=F19081)**	45.000	100.000	31.000	31.000	31.000	1.200	C
30	**TC 451001 (FAG=805262, FERSA=F19001)**	45.000	100.000	36.000	36.000	36.000	1.360	C
31	**TC 451006 (FERSA=F19080, P12028)**	45.000	100.000	36.000	36.000	36.000	1.360	C
32	**TC 451007 (SKF=NJG2309NRVH/ 2309NVH)**	45.000	100.000	36.000	36.000	36.000	1.415	C
33	**TC 50801 (FERSA=F19030)**	49.930	80.000	15.000	-	-	0.270	A
34	**JC 8007**	(50.000)	80.000	-	18.500	-	0.345	
35	**NUPK 310 NR**	50.000	110.000	27.000	27.000	27.000	1.300	D
36	**NUPK 311 NR**	55.000	120.000	29.000	29.000	29.000	1.640	D
37	**NUPK 312 NR**	60.000	130.000	31.000	31.000	31.000	2.040	D



Double Row Cylindrical Roller Bearings - Full Compliment

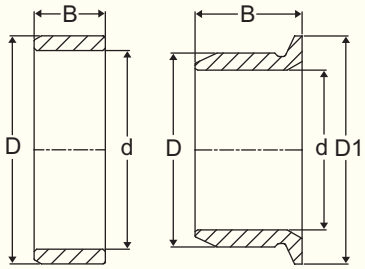
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	B	C	
1	**F-210408**	22.000	(38.750)	22.500	-	0.105
2	**F-208098**	35.000	(52.100)	26.500	-	0.190
3	**F-208099**	40.000	(57.800)	34.000	-	0.290
4	**SL04 5008N/NNF 5008 ADA-2LSV**	40.000	68.000	38.000	37.000	0.500
5	**50x59x40**	50.000	-	40.000	-	0.140
6	**SL04 5010N/NNF 5010 ADA-2LSV**	50.000	80.000	40.000	39.000	0.690
7	**SL04 5013N/NNF 5013 ADA-2LSV**	65.000	100.000	46.000	45.000	1.210
8	**SL04 5014N/NNF 5014 ADA-2LSV**	70.000	110.000	54.000	53.000	1.810
9	**SL04 5016N/NNF 5016 ADA-2LSV**	80.000	125.000	60.000	58.700	2.600





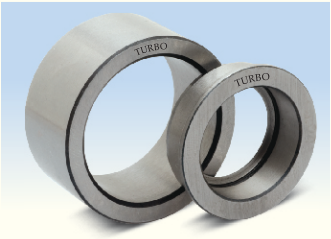
Cylindrical Roller Thrust Bearings / Cage Assembly

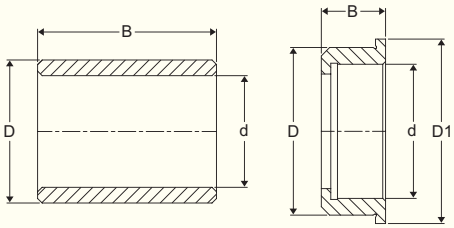
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**TH 43831 (Cage Assy.)**	43.300	-	82.300	7.000	0.090
2	**TH 60841**	60.000	60.000	84.700	17.000	0.273
3	**TH 631061 (Cage Assy.)**	63.600	-	106.000	8.000	0.270



Automotive Parts - Ground Sleeves

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	D1	B	
1	**RING 100x105x24.5 (Elring=04760700EZ0050, O.E. No.=442.031.0627 tb)**	100.000	105.000	-	24.500	0.150
2	**RING 100x105/110x19 (Elring=08342700EZ0050, O.E. No.=51.02130.0012 tb)**	100.000	105.000	110.000	19.000	0.125
3	**RING 110x145x32 (Elring=01216500EZ9999, O.E.No.=355.356.125tb)**	110.000	145.000	-	32.000	1.675
4	**RING 115x120x21 (Elring=08342890EZ0050, O.E.No.=403.032.0309 tb)**	115.000	120.000	-	21.000	0.155
5	**RING 115x145x32 (Elring=03808400EZ9999, O.E.No.=346.356.1415 tb)**	115.000	145.000	-	32.000	1.460
6	**RING 119x145x26 (Elring=01216600EZ9999, O.E.No.=946.356.0015 tb)**	119.000	145.000	-	26.000	1.020

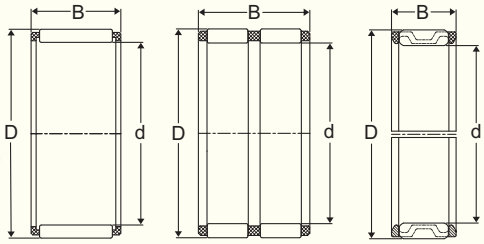




Automotive Parts - Ground Bushes

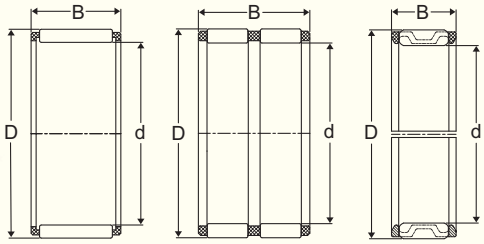
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	D1	B	
1	**Bush for Cluster Gear (TW)**	22.000	28.000	-	12.000	0.020
2	**Bush for Lay Shaft (TW)**	24.000	30.000	33.000	10.000	0.021
3	**External Ring (TR)**	27.000	33.000	-	16.100	0.033
4	**Bush for Diff. Pinion (TW)**	31.000	40.000	-	19.000	0.072

TW = Three Wheeler, TR=Tractor Part



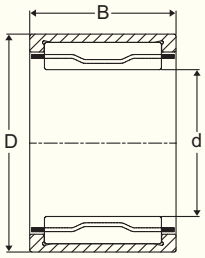
Needle Roller Bearings

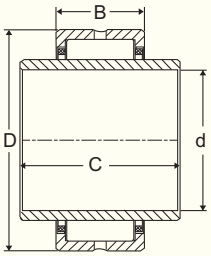
SR. NO.	BEARING NO.	BOUNDARY DIMENSION (in m.m.)			MASS (~Kg.)	Type
		d	D	B		
1	**15 x 21 x 15**	15.000	21.000	15.000	0.013	A
2	**B 16 x 22 x 12**	16.000	22.000	12.000	0.005	A
3	**16 x 22 x 16**	16.000	22.000	16.000	0.014	A
4	**18 x 24 x 12**	18.000	24.000	12.000	0.010	A
5	**22 x 30 x 15**	22.000	30.000	15.000	0.023	A
6	**25 x 31 x 17**	25.000	31.000	17.000	0.020	A
7	**25 x 32 x 16**	25.000	32.000	16.000	0.029	A
8	**25R3324B-1**	25.000	33.000	24.000	0.052	A
9	**253524**	25.000	35.000	24.000	0.062	A
10	**WA 2025**	25.000	35.000	30.000	0.080	A
11	**25UR3525A**	25.500	35.000	24.500	0.056	A
12	**WA 2028**	26.000	40.000	26.000	0.098	A
13	**284424**	28.000	44.000	24.000	0.118	A
14	**7050**	28.000	48.000	24.000	0.158	A
15	**7050 Poly cage (25mm)**	28.000	48.000	30.800	0.165	A
16	**29 x 34 x 17**	29.000	34.000	17.000	0.019	A
17	**29 x 34 x 24**	29.000	34.000	24.000	0.028	A
18	**485P (SILVER PLATED - 2PIECE)**	30.000	39.000	20.700	0.047	C
19	**30 x 37 x 16**	30.000	37.000	16.000	0.027	A
20	**30x37x20**	30.000	37.000	20.000	0.034	A
21	**WA 2030**	30.000	42.000	30.000	0.108	A
22	**32 x 42 x 18**	32.000	42.000	18.000	0.049	A
23	**32 x 52 x 31**	32.000	52.000	31.000	0.210	A
24	**486P (SILVER PLATED - 2PIECE)**	36.000	46.000	20.700	0.065	C
25	**42 x 47 x 27**	42.000	47.000	27.000	0.044	A
26	**42 x 52 x 36**	42.000	52.000	36.000	0.100	B
27	**45 x 52 x 36**	45.000	52.000	36.000	0.110	A
28	**47 x 52 x 27**	47.000	52.000	27.000	0.052	A
29	**48 x 53 x 17**	48.000	53.000	17.000	0.035	A
30	**49 x 65 x 38**	49.000	65.000	38.000	0.070	A
31	**50 x 55 x 17**	50.000	55.000	17.000	0.034	A
32	**50 x 55 x 20**	50.000	55.000	20.000	0.040	A
33	**9885-50109**	50.000	55.000	28.000	0.060	A
34	**K NU 2308 - AJP1**	52.000	80.060	26.000	0.375	A
35	**50 x 55 x 30**	55.000	55.000	30.000	0.060	A
36	**9885-58103**	58.000	63.000	33.000	0.085	A



Needle Roller Bearings

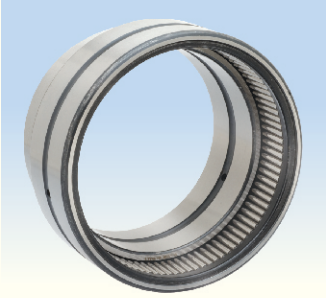
SR. NO.	BEARING NO.	BOUNDARY DIMENSION (in m.m.)			MASS (~Kg.)	Type
		d	D	B		
37	**9810 ST**	58.570	66.570	30.000	0.108	A
38	**9810 AL**	58.570	66.570	30.000	0.093	A
39	**90-9009**	60.000	66.000	23.000	0.065	A
40	**60x66x54**	60.000	66.000	54.000	0.155	B
41	**9883-40107**	60.000	68.000	25.000	0.095	A
42	**60x68x53.8**	60.000	68.000	53.800	0.205	B
43	**62 x 68 x 21**	62.000	68.000	21.000	0.055	A
44	**80006**	62.000	68.000	42.000	0.125	B
45	**62 x 68 x 42**	62.000	68.000	42.000	0.060	B
46	**62 x 70 x 40**	62.000	70.000	40.000	0.150	B
47	**63.6 x 71.6 x 19.5**	63.600	71.600	19.500	0.065	A
48	**80005**	63.600	71.600	38.500	0.115	B
49	**65x73x30**	65.000	73.000	30.000	0.115	A
50	**67x75x36.7**	67.000	75.000	36.700	0.175	B
51	**70 x 76 x 40**	70.000	76.000	40.000	0.135	B
52	**70 x 78 x 19.8**	70.000	78.000	19.800	0.082	A
53	**70 x 78 x 37**	70.000	78.000	37.000	0.150	B
54	**70 x 78 x 39**	70.000	78.000	39.000	0.050	B
55	**70 x 78 x 40**	70.000	78.000	40.000	0.167	B
56	**70 x 78 x 46**	70.000	78.000	46.000	0.196	B
57	**72 x 80 x 40**	72.000	80.000	40.000	0.180	B
58	**75x83x23**	75.000	83.000	23.000	0.100	A
59	**75 x 83 x 35**	75.000	83.000	35.000	0.160	B
60	**75x83x48**	75.000	83.000	48.000	0.235	B
61	**75x83x54.5**	75.000	83.000	54.500	0.290	B
62	**TN 771011 (FERSA=F19087)**	77.000	101.000	28.500	0.400	A
63	**78x86x32.5**	78.000	86.000	32.500	0.182	B
64	**78x86x34.8**	78.000	86.000	34.800	0.188	B
65	**80 x 88 x 40**	80.000	88.000	40.000	0.190	B
66	**80x88x55**	80.000	88.000	55.000	0.320	B
67	**85x93x45.5**	85.000	93.000	45.500	0.270	B
68	**85 x 93 x 63**	85.000	93.000	63.000	0.377	B
69	**90x98x40**	90.000	98.000	40.000	0.265	B
70	**90 x 98 x 46**	90.000	98.000	46.000	0.288	B
71	**90x98x49.8**	90.000	98.000	49.800	0.325	B
72	**90x98x54.5**	90.000	98.000	54.500	0.345	B
73	**95 x 103 x60**	95.000	103.000	60.000	0.400	B
74	**96x104x55**	96.000	104.000	55.000	0.375	B

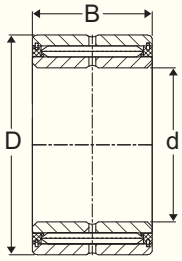




Needle Roller Bearings :- NK Type

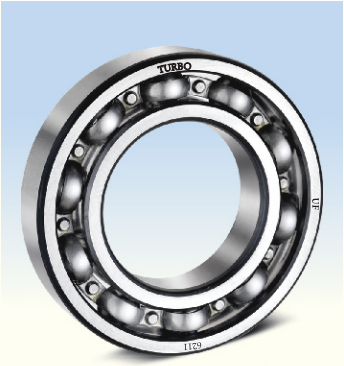
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	B	C	
1	**SJ-74882**	28.580	46.040	31.800	-	0.185
2	**NK 34 x 50 x 35**	34.000	50.000	35.000	-	0.195
3	**SJ-74884**	34.700	49.220	38.160	-	0.265
4	**NKS40**	34.990	55.000	22.000	40.000	0.230
5	**NK 44 x 65 x 40**	44.000	65.000	40.000	-	0.397
6	**NK 45 x 65 x 40**	45.000	65.000	40.000	-	0.369

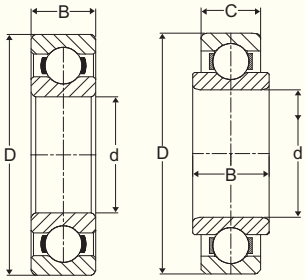




Needle Roller Bearings :- Full Compliment Type

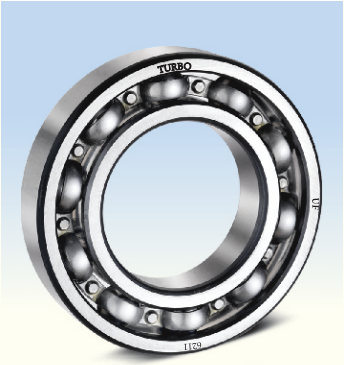
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d	D	B	
1	**111.125 x 104.9 x 38.30**	88.900	111.125	38.300	0.920
2	**117.50 x 109.8 x 38.30**	95.250	117.475	38.300	0.900
3	**B7220 (Torrington=I-708265,NAAS 3296)**	114.300	152.400	51.050	2.700

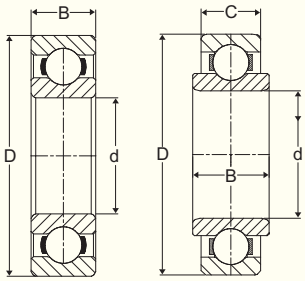




Deep Groove Ball Bearings

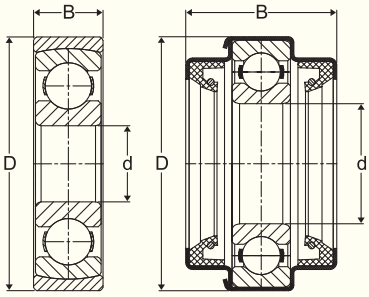
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	B	C	
1	**LS 8**	19.050	47.625	14.287	-	0.120
2	**6004**	20.000	42.000	12.000	-	0.070
3	**6204**	20.000	47.000	14.000	-	0.117
4	**6304**	20.000	52.000	15.000	-	0.151
5	**6005**	25.000	47.000	12.000	-	0.080
6	**6205**	25.000	52.000	15.000	-	0.132
7	**6305**	25.000	62.000	17.000	-	0.248
8	**62305-2RS**	25.000	62.000	22.000	24.000	0.325
9	**TB 25751 (SNR=AB 40559)**	25.000	75.000	17.000	-	0.340
10	**6405**	25.000	80.000	21.000	-	0.530
11	**62/28**	28.000	58.000	16.000	-	0.171
12	**6006**	30.000	55.000	13.000	-	0.116
13	**6206**	30.000	62.000	16.000	-	0.197
14	**6306**	30.000	72.000	19.000	-	0.373
15	**6406**	30.000	90.000	23.000	-	0.740
16	**MS 12**	31.750	79.375	22.225	-	0.484
17	**6007**	35.000	62.000	14.000	-	0.156
18	**6207**	35.000	72.000	17.000	-	0.295
19	**88507 (JB 1030 W)**	35.000	72.000	23.000	17.000	0.342
20	**6307**	35.000	80.000	21.000	-	0.472
21	**6008**	40.000	68.000	15.000	-	0.190
22	**BL 208**	40.000	80.000	18.000	-	0.400
23	**6208**	40.000	80.000	18.000	-	0.402
24	**6308**	40.000	90.000	23.000	-	0.627
25	**6209/C3**	45.000	85.000	19.000	-	0.410
26	**88509**	45.000	85.000	27.000	21.000	0.500
27	**6309**	45.000	100.000	25.000	-	0.820
28	**6010**	50.000	80.000	16.000	-	0.293
29	**6210**	50.000	90.000	20.000	-	0.470
30	**6310**	50.000	110.000	27.000	-	1.078
31	**6211**	55.000	100.000	21.000	-	0.625
32	**88511**	55.000	100.000	36.000	21.000	0.750
33	**BB1-3357**	55.000	116.000	28.000	-	1.165
34	**6311**	55.000	120.000	29.000	-	1.353
35	**6012**	60.000	95.000	18.000	-	0.410





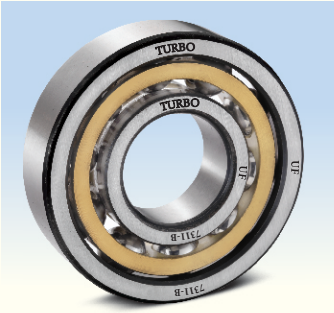
Deep Groove Ball Bearings

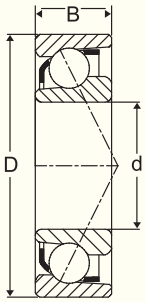
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	B	C	
36	**6212**	60.000	110.000	22.000	-	0.760
37	**HTF 60TM01-G-3E C3**	60.000	116.000	28.000	-	1.065
38	**6312**	60.000	130.000	31.000	-	1.700
39	**6013**	65.000	100.000	18.000	-	0.444
40	**6213**	65.000	120.000	23.000	-	0.990
41	**6313**	65.000	140.000	33.000	-	2.035
42	**16014**	70.000	110.000	13.000	-	0.430
43	**6214**	70.000	125.000	24.000	-	1.040
44	**BB1-3076 AB**	70.000	140.000	26.000	-	1.690
45	**6015**	75.000	115.000	20.000	-	0.640
46	**6215**	75.000	130.000	25.000	-	1.160
47	**6315**	75.000	160.000	37.000	-	3.000
48	**TB 801181**	80.000	118.000	44.000	20.000	0.830
49	**BB1-3346 B**	80.000	140.000	26.000	-	1.440
50	**805045**	80.000	150.000	28.000	-	2.220
51	**602416**	80.250	122.000	50.000	22.000	0.825
52	**16017/90**	90.000	130.000	14.000	-	0.555
53	**539244B**	90.000	160.000	30.000	-	1.890



Ball Bearings - Special

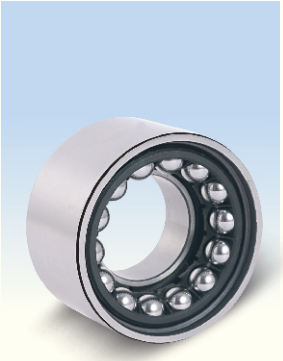
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d	D	B	
1	**6207 WOS**	35.000	74.000	44.000	0.440
2	**88507 WOS**	35.000	127.000	51.000	0.682
3	**6208 WOS**	40.000	82.000	47.300	0.550
4	**MSN 14**	44.450	117.475	28.575	1.450
5	**88509A**	45.000	87.000	46.000	0.600
6	**88509 WOS**	45.000	150.000	55.000	1.030
7	**6211 WOS**	55.000	145.000	51.000	1.680
8	**6211 WOS (MOD)**	55.000	148.000	55.000	1.150
9	**88511A**	55.000	102.000	49.700	0.900
10	**88511 WOS**	55.000	150.000	55.000	1.300

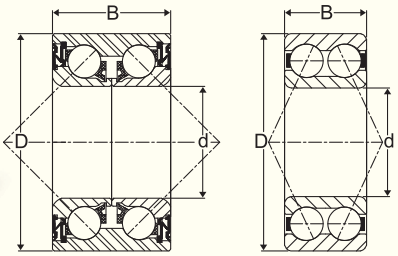




Angular Contact Ball Bearings

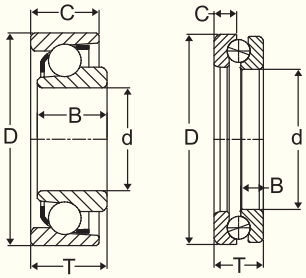
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d	D	B	
1	**M 25**	25.000	62.000	17.000	0.240
2	**7206B**	30.000	62.000	16.000	0.197
3	**7210B**	50.000	90.000	20.000	0.540
4	**7311-B**	55.000	120.000	29.000	1.375
5	**7314-B**	70.000	150.000	35.000	2.645
6	**7015A**	75.000	115.000	20.000	0.735
7	**307536A**	110.000	170.000	21.000	1.810





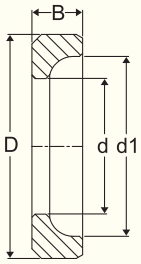
Double Raw Angular Contact Ball Bearings / Hub Bearings

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d	D	B	
1	**527352**	20.000	52.000	22.500	0.320
2	**510478B**	20.000	52.000	22.200	0.270
3	**803374**	35.000	68.000	37.000	0.540
4	**5207**	35.000	72.000	27.000	0.430
5	**5307**	35.000	80.000	34.900	0.735
6	**3208**	40.000	80.000	30.200	0.580
7	**TA 48931**	48.000	93.000	37.000	1.010



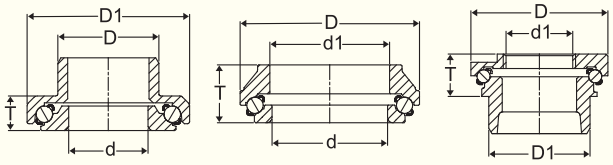
Angular Contact Ball Bearings - Special

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	B	C	T	
1	**ACS0405J-4MG**	19.500	47.000	9.000	13.500	13.000	0.080
2	**JB-1003**	19.600	51.000	10.000	8.500	14.500	0.112
3	**ACS0405I4**	20.000	47.000	14.250	11.100	14.350	0.095
4	**18313a (Thrust)**	26.600	43.035	5.500	5.500	12.500	0.075
5	**1871z155 (Thrust)**	26.650	43.035	5.550	5.550	12.500	0.075
6	**074151 (Thrust)**	30.000	48.000	5.500	5.500	11.900	0.079
7	**BT30-5A [STG (T) 72]**	30.000	72.000	19.000	21.250	20.700	0.390
8	**200185 (Thrust)**	34.000	51.000	5.500	5.500	12.000	0.080



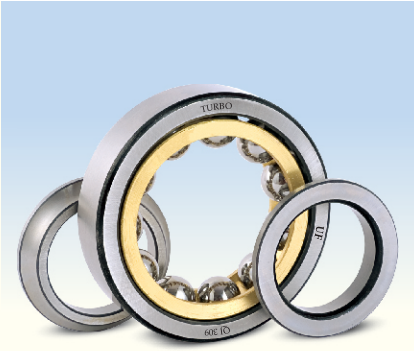
Angular Contact Steering Bearings

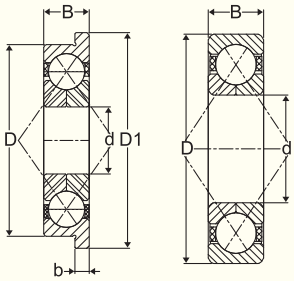
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	B	
1	**PY 1.20**	21.100	28.000	34.885	7.900	0.028
2	**FS 1.20**	30.000	41.050	49.200	11.000	0.105
3	**EB 37.20**	30.000	41.050	52.000	13.700	0.160



Steering Bearings / Components For Three Wheelers

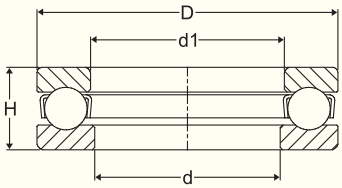
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	d1	D	D1	T	
1	**Adjuster Ring/Ball Race**	-	M35x1.5	66.500	49.000	20.550	0.370
2	**L03078/L03178**	32.000	-	49.500	55.000	13.350	0.110
3	**Upper Cone/Lower Cone**	40.000	-	49.000	69.000	17.000	0.320
4	**L02878/L02378**	56.000	-	60.000	88.000	17.350	0.345
5	**Upper Cone30°/Lower Cone30°**	56.000	58.000	87.000	-	28.000	0.430





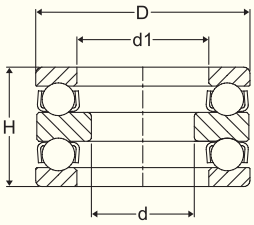
Four Point Contact Ball Bearings

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	D1	B	b	
1	**SB 3512**	22.000	48.000	-	36.000	-	0.350
2	**509732**	25.000	68.000	72.900	19.000	7.000	0.380
3	**517204**	25.000	68.000	72.900	19.000	7.000	0.380
4	**508461 B**	28.000	80.000	90.000	19.000	6.000	0.630
5	**QJ 207 MPA**	35.000	72.000	-	17.000	-	0.350
6	**QJ 307**	35.000	80.000	-	21.000	-	0.560
7	**QJ 208 MPA**	40.000	80.000	-	18.000	-	0.079
8	**QJ 308**	40.000	90.000	-	23.000	-	0.670
9	**QAJ 209 MPA**	45.000	85.000	-	19.000	-	0.520
10	**QJ 309 MPA**	45.000	100.000	-	25.000	-	1.050
11	**QJ 309 (St. Cage)**	45.000	100.000	-	25.000	-	0.940



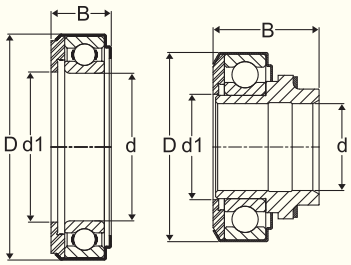
Thrust Ball Bearings - Single Direction

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**51206**	30.000	32.000	52.000	16.000	0.140
2	**51107**	35.000	37.000	52.000	12.000	0.085
3	**51207**	35.000	37.000	62.000	18.000	0.220
4	**51108**	40.000	42.000	60.000	13.000	0.125
5	**51208**	40.000	42.000	68.000	19.000	0.275
6	**2546**	44.450	45.360	74.612	22.225	0.375
7	**51109**	45.000	47.000	65.000	14.000	0.140
8	**51209**	45.000	47.000	73.000	20.000	0.300
9	**2547**	55.562	56.480	84.137	22.225	0.430
10	**2548**	66.675	68.000	104.775	28.575	0.895
11	**51216**	80.000	82.000	115.000	28.000	0.995



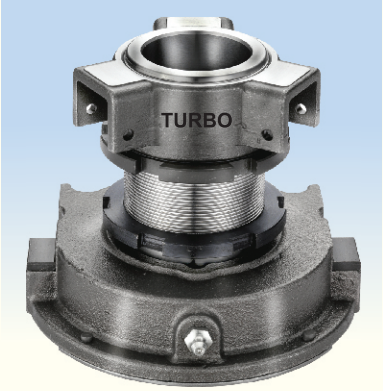
Thrust Ball Bearings - Double Direction

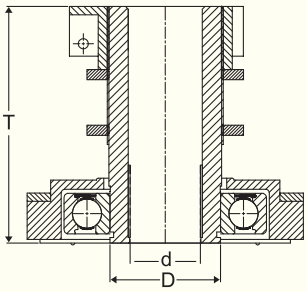
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**52206**	25.000	32.000	52.000	29.000	0.250



Clutch Release Bearings :- Type A

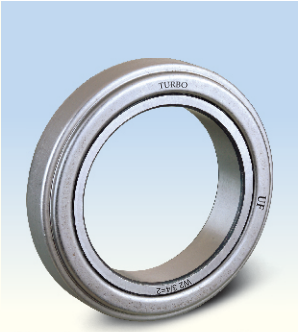
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**1888451**	45.000	46.000	86.600	27.700	0.630
2	**306445C**	50.000	51.000	81.600	25.000	0.450
3	**1888180**	50.000	51.000	91.600	28.700	0.705
4	**1888180 WH**	50.000	51.000	91.600	51.300	1.160
5	**414292B**	58.737	66.000	101.600	40.500	0.930
6	**TCL 6212 (FERSA=F15005)**	60.000	60.800	112.000	33.000	1.195
7	**6013CLUTCH**	65.000	70.000	102.000	27.000	0.654
8	**TCL 6015 (FERSA=F15070)**	75.000	70.800	117.000	33.000	0.950

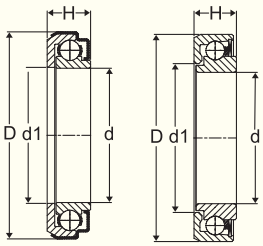




Clutch Release Bearings :- Type B

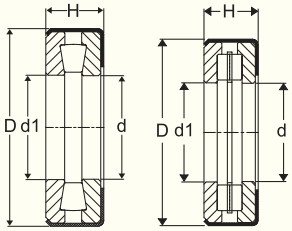
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d	D	T	
1	**TB-GB-50 (1.5") [TATA-GB-50(1.5")]**	38.100	60.000	125.000	4.620
2	**TB-GB-60 (1.75") [TATA-GB-60(1.75")]**	44.450	60.000	125.000	4.230





Clutch Release Bearings :- Type C

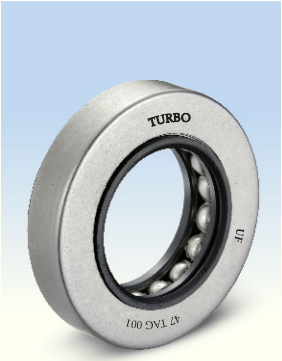
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**J 12**	38.100	39.100	68.600	16.050	0.230
2	**75580**	52.400	57.550	88.000	19.700	0.400
3	**CT55BLI**	55.000	60.200	87.900	19.500	0.370
4	**CT 5586**	55.000	60.700	85.600	19.600	0.370
5	**CT 1310**	63.500	64.250	103.380	22.100	0.610
6	**CT 1310 ARSE**	63.500	71.400	102.000	20.500	0.600
7	**65TNK20 (SKF=VKC3527)**	65.000	65.800	101.900	22.000	0.530
8	**TB 4576 C (GB 75 - Self Centering)**	57.150	-	104.000	67.500	2.175
9	**TB 4576 (GB 75)**	57.150	-	101.900	62.000	2.055
10	**W2 3/4=2**	69.840	77.680	103.380	22.098	0.490
11	**CT70B (TK70)**	70.000	70.850	117.000	27.000	0.980

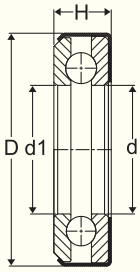


King Pin Bearings :- Type A

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**T-101/TR**	25.000	25.300	50.500	15.800	0.130
2	**T 126/SR**	32.004	32.004	55.700	16.000	0.150
3	**T-138/SR**	35.225	35.525	66.800	19.446	0.320
4	**T-138/TR**	35.225	35.525	66.800	19.446	0.320
5	**TK-35/TR**	35.400	35.400	65.000	16.200	0.240
6	**T-144/TR**	36.754	36.754	66.675	19.446	0.300
7	**T-151/SR**	38.354	38.754	72.619	21.433	0.375
8	**T-151/TR**	38.354	38.754	72.619	21.433	0.375
9	**T 4072 Rs/SR**	40.300	40.800	74.500	19.800	0.360
10	**353056B/46**	46.000	46.500	78.000	22.000	0.420
11	**47 TAG 001/SR**	47.000	47.800	78.000	23.000	0.420
12	**353056B (FAG=528548B)**	50.000	50.400	78.000	22.000	0.380

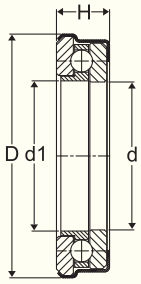
*OVERSIZE AVAILABLE





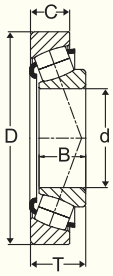
King Pin Bearings :- Type B

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**30 TAG 001**	30.000	30.700	51.600	17.000	0.130
2	**TK 51207**	35.000	37.000	62.000	18.000	0.215
3	**TK-35**	35.400	35.400	65.000	16.200	0.250
4	**Y-38**	38.200	38.550	66.000	19.430	0.250
5	**T 4072 Rs**	40.000	40.700	74.500	20.800	0.360
6	**TH 42661(FERSA=F15004)**	41.500	41.600	66.000	16.000	0.185
7	**TH 42721 (T&H SPAIN =TH-106, FERSA=F15064)**	41.530	41.630	72.200	21.400	0.340
8	**47 TAG 001**	47.000	47.800	78.000	23.000	0.400
9	**50 TAG 001**	50.000	50.200	80.000	18.800	0.315
10	**T 5082 Rs**	50.000	50.500	84.500	21.000	0.365
11	**51216 CLUTCH**	80.000	80.200	117.000	29.000	1.012



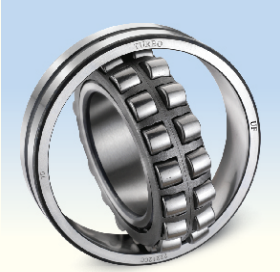
King Pin Bearings :- Type C

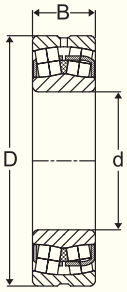
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	d1	D	H	
1	**J2 (JP 1054)**	38.100	38.350	71.800	17.100	0.255
2	**TH 52891 (TH-1000, FERSA=F15057)**	52.400	52.700	89.000	20.300	0.370
3	**TH 52901 (INA=F 200284.1, FERSA=F15031)**	52.400	52.800	90.200	20.550	0.450
4	**TH 641051 (FAG=513982, FERSA=F15058)**	63.500	64.700	105.000	23.000	0.610
5	**TH 651141 (FERSA=F15060)**	65.000	66.000	113.600	22.100	0.650
6	**TH 701141 (FERSA=F15059)**	69.840	70.800	113.600	22.100	0.640



Spherical Roller Thrust Bearings

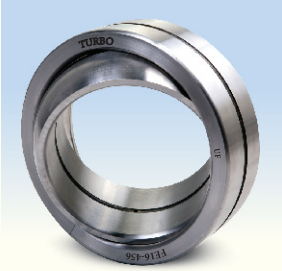
SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)					MASS (~Kg.)
		d	D	B	C	T	
1	**392209**	26.500	55.000	12.500	10.500	14.800	0.150
2	**509043**	26.500	57.000	12.500	10.500	14.800	0.150

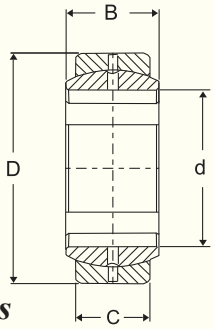




Spherical Roller Bearings

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)			MASS (~Kg.)
		d	D	B	
1	**22212 CC**	60.000	110.000	28.000	1.100





Spherical Plain Bearings

SR. NO.	BEARING NO.	BOUNDARY DIMENSIONS (in m.m.)				MASS (~Kg.)
		d	D	B	C	
1	FE16-456	42.000	62.000	25.000	20.000	0.255

Note : There may be increase in load ratings due to improvement in Design of bearings in all types. Check with factory details for latest Static & Dynamic load ratings.

Marketing Network

As per our business plans,we have categorized marketing network in following segments

1. Indian Market

A. Original Equipment Manufacturers (O.E.M.) Like

- Vehicle Manufacturers - H.C.V., L.C.V., Cars
- Three wheeler & Tractor manufacturers.
- Diesel engine manufacturers.
- Machine tools manufacturers.
- Transmission gear box manufacturers.
- Agriculture equipment manufacturers.

B. Replacement market through well organised distributor channel.

2. International Market

We are exporting our bearings and components to following countries.

- ARGENTINA
- BANGLADESH
- BRAZIL
- FRANCE
- GERMANY
- HUNGARY
- IRAN
- KOREA
- PAKISTAN
- ROMANIA
- SPAIN
- SRILANKA
- TURKEY
- U.A.E.
- U.S.A. and many other countries.

TURBO®
BEARINGS

ISO / TS 16949
CERTIFIED COMPANY

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