SDVV Bearing Corporation of Germany

IMMENHOFER Street, 1632 Barak Building, Stuttgart, Germany

SDVV Lager GmbH Deutschland
Immenhofer Straße 1632, Barak-Gebäude, Stuttgart, Deutschland

SDVV Bearing Corporation of Hong Kong

Room 36, Central, 1 East Queen's Road, 29th Floor, Pacific Place 3, Hong Kong

SDDV Lagergesellschaft Hongkong
Zimmer 36, 29. Stock, Pacific 3, 1 East Queen's Road, Central, Hongkong

BALL AND ROLLER BEARINGS



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Printed in GERMANY 12/2009

CATALOG A-1000-XI

SDVV®



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Company Profile

Firmenprofil

SDVV BEARING GROUP LIMITED.owned manufacturing company founded in 1986. The fifth generation of the family are now working in the business. The business is now focused on provision of a total supply bearings all over the world.

The modern business employs best in class manufacturing techniques including CNC machining, Fibre laser technology and Robotics. This ensures highest quality, consistent and competitive product. Our people are at the heart of our Kingdom, constantly driving the business forward whilst showing commitment and dedication to make us the success we are.

Our Vision

Grow in the business of bearings and other allied engineering products and services

To deliver superior value to our customers, suppliers, shareholders, employees and society at large

Pursue excellence through Total Quality Management

Our Mission

To become a preferred bearings supplier in domestic market and focus on select export markets.

To enhance our presence in allied engineering products & services

SDVV BEARING GROUP LIMITED.im Besitz von Produktionsunternehmen gegründet im Jahr 1986. Die fünfte Generation der Familie arbeitet jetzt im Unternehmen. Das Geschäft konzentriert sich jetzt auf die Bereitstellung einer Gesamtversorgungslager auf der ganzen Welt.

Das moderne Geschäft verwendet beste Fertigungstechniken seiner Klasse, einschließlich CNC-Bearbeitung, Faserlasertechnologie und Robotik. Dies gewährleistet höchste Qualität, konsistente und wettbewerbsfähige Produkte. Unsere Mitarbeiter stehen im Herzen unseres Königreichs und treiben das Geschäft ständig voran und zeigen gleichzeitig Engagement und Hingabe, um uns zum Erfolg zu machen, den wir sind.

Unsere Vision

Wachstum im Geschäft mit Lagern und anderen verbundenen Ingenieurprodukten und Dienstleistungen

Um unseren Kunden, Lieferanten, Aktionären, Mitarbeitern und der Gesellschaft im Allgemeinen einen überlegenen Wert zu bieten

Streben Sie nach Exzellenz durch Total Quality Management

Unsere Mission

Um ein bevorzugter Lagerlieferant im Inlandsmarkt zu werden und sich auf ausgewählte Exportmärkte zu konzentrieren.

Um unsere Präsenz in alliierten Engineering-Produkten und -Dienstleistungen zu stärken

Manufacturing Equipments

FERTIGUNGSANLAGEN













Forging/Schmieden

Manufacturing range: inner diameter 10 mm - outer diameter 6.3 mm, manual processing capacity 100,000 tons, heat treatment equipment suitable for different materials (bearing steel, carburizing steel and alloy tool steel)

Herstellbereich: Innendurchmesser 10 mm – Außendurchmesser 6,3 m, manuelle Bearbeitungskapazität 100.000 Tonnen, Wärmebehandlungsanlage für verschiedene Materialien geeignet (Lagerstahl, Zählerstahl und Werkzeuglegierungsstahl)







Manufacturing Equipments

FERTIGUNGSANLAGEN



- Wind power / industrial slewing bearing manufacturing workshop
- Maximum production outer diameter 6.3 meters

·Produktionswerkstatt für Windenergie- / Industriewendlager

·Maximaler Produktionsaußendurchmesser 6,3 Meter

- Main bearing for wind power. Ultra-large mill bearing production workshop
- Maximum manufacturing outer diameter 2.5 meters

·Hauptlager für Windenergie. Produktionswerkstatt für ultragroße Walzwerkslager

·Maximaler Herstellungsaußendurchmesser 2,5 Meter





- Precision gearbox bearing and precision rolling mill bearing workshop
- Maximum manufacturing outer diameter 850 mm

·Werkstatt für Präzisionsgetriebelager und Präzisionswalzwerkslager

·Maximaler Herstellungsaußendurchmesser 850 mm



- Cylindrical roller bearing manufacturing workshop for motors
- Maximum manufacturing outer diameter of 400 mm

·Wälzwerk für motorische Zylinderrollenlager

·Maximum manufacturing outer diameter of 400 mm



- Deep groove ball bearings for electric motors
- Maximum manufacturing outer diameter 400 mm

·Tieflochkugellager für Elektromotoren

·Maximaler Herstellungsaußendurchmesser 400 mm

Bearing products

LAGERPRODUKTE


Deep groove ball bearing


Deep groove ball bearing


Self-aligning ball bearing


Self-aligning ball bearing


Cylindrical roller bearings


Cylindrical roller bearings


Spherical Roller Bearings


Spherical Roller Bearings


Angular contact ball bearing


Angular contact ball bearing


Tapered roller bearing


Tapered roller bearing


Thrust ball bearing


Thrust ball bearing


Thrust roller bearing


Thrust roller bearing


Needle roller bearings


Needle roller bearings


insert bearing


insert bearing

Bearing products

LAGERPRODUKTE


insert bearing with housing


insert bearing with housing


Rolling mill bearings


Rolling mill bearings


Joint bearings


Joint bearings


Rod end bearing


Rod end bearing


Ball Screw Bearing


Ball Screw Bearing


Fully loaded roller bearings


Fully loaded roller bearings


Linear bearings


Linear bearings


Roller bearings


Roller bearings


slewing ring


slewing ring


Thin walled bearings


Thin walled bearings

SDVV®

Deep groove ball bearing

Tiefe Nutkugellager

Deep groove ball bearings, formerly known as single-row radial ball bearings, are the most widely used type of rolling bearings. They are characterized by low frictional resistance and high rotational speed. They can be used on machine parts that bear radial loads or combined loads acting simultaneously in radial and axial directions, and can also be used on machine parts that bear axial loads, such as small-power motors, automobile and tractor gearboxes, machine tool gearboxes, general machinery, tools, etc.

Tiefnutzkugellager, früher als einreihige radiale Kugellager bekannt, sind die am häufigsten verwendeten Typen von Wälzlagern. Sie zeichnen sich durch niedrigen Reibwiderstand und hohe Drehzahl aus. Sie können an Maschinenteilen verwendet werden, die radiale Lasten tragen oder in radialer und axialer Richtung gleichzeitig wirkende kombinierte Lasten tragen, sowie an Maschinenteilen, die axiale Lasten tragen, wie Kleinleistungsmotoren, Kraftfahrzeug- und Traktorgetriebe, Werkzeugmaschinengetriebe, allgemeine Maschinen, Werkzeuge usw.

Deep groove ball bearing

Tiefe Nutkugellager

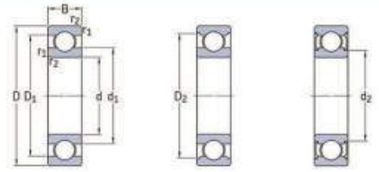


Applicable fields

Gear box	internal-combustion engine
Instruments and Apparatuses	Automobile and motorcycle
electric machinery	agricultural machinery
Fan	construction machinery
Household Electric Appliances	construction machinery

Deep groove ball bearing 6000 series

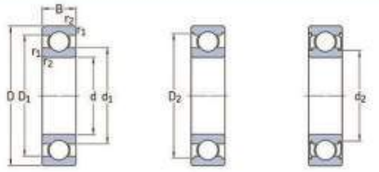
TIEFNUTZKUGELLAGER · SERIE 6000



Bearing type	Boundary Dimensions (mm)			Speed Rating(rpm)		Load Rating (kn)		Weight (kg)
	d	D	B	Grease lubrication	Oil lubrication	Dynamic Cr	Static Cor	
6000	10	26	8	22000	30000	4.55	1.97	0.019
6001	12	28	8	20000	26000	5.1	2.38	0.022
6002	15	32	9	19000	24000	5.58	2.85	0.03
6003	17	35	10	17000	21000	6	3.25	0.04
6004	20	42	12	16000	19000	9.38	5.02	0.069
6005	25	47	12	15000	18000	10.1	5.85	0.08
6006	30	55	13	13000	15000	13.2	8.3	0.116
6007	35	62	14	11000	13000	16	10.3	0.155
6008	40	68	15	9000	11000	17	11.8	0.185
6009	45	75	16	8000	10000	21	14.8	0.23
6010	50	80	16	7000	9000	22.05	16.21	0.25
6011	55	90	18	7000	8500	30.2	21.8	0.362
6012	60	95	18	6300	7500	31.65	24.22	0.385
6013	65	100	18	6000	7000	32	24.72	0.41
6014	70	110	20	5000	6700	38.5	30.5	0.575
6015	75	115	20	5300	6300	40.2	33.2	0.603
6016	80	125	22	5000	6000	47.5	39.8	0.821
6017	85	130	22	4500	5600	50.8	42.8	0.848
6018	90	140	24	4300	5300	58	49.8	1.1
6019	95	145	24	4000	5000	57.8	50	1.15
6020	100	150	24	3800	4800	64.5	56.2	1.18
6022	110	170	28	3400	4300	81.8	72.8	1.89
6024	120	180	28	3000	3800	87.5	79.2	1.99
6026	130	200	33	2800	3600	105	96.8	3.08
6028	140	210	33	2400	3200	116	108	3.17
6030	150	225	35	2200	3000	132	125	3.9
6032	160	240	38	2000	2800	145	138	4.83
6034	170	260	42	1900	2600	170	170	6.5
6036	180	280	46	1300	2400	188	198	8.51
6038	190	290	46	1700	2200	188	200	8.865
6040	200	310	51	1600	2000	205	225	11.64
6044	220	340	56	1400	1800	252	268	18
6048	240	360	56	1200	1600	270	292	20
6052	260	400	65	1100	1500	292	372	28.8
6056	280	420	65	950	1300	305	408	32.1
6060	300	460	74	930	1200	358	500	42.8
6064	320	480	74	900	1100	345	513	48.4

Deep groove ball bearing 6200 series

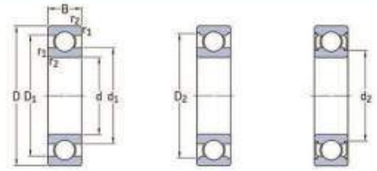
TIEFNUTZKUGELLAGER · SERIE 6200



Bearing type	Boundary Dimensions (mm)			Speed Rating(rpm)		Load Rating (kn)		Weight (kg)
	d	D	B	Grease lubrication	Oil lubrication	Dynamic Cr	Static Cor	
6200	10	30	9	20000	26000	5.1	2.38	0.032
6201	12	32	10	19000	24000	6.82	3.05	0.037
6202	15	35	11	18000	22000	7.65	3.72	0.045
6203	17	40	12	16000	20000	9.58	4.78	0.065
6204	20	47	14	14000	18000	12.8	6.65	0.106
6205	25	52	15	13000	15000	14	7.85	0.128
6206	30	62	16	11000	13000	19.5	11.3	0.199
6207	35	72	17	9200	11000	25.7	15.4	0.288
6208	40	80	18	8000	10000	29.5	18	0.368
6209	45	85	19	7000	9000	31.5	20.5	0.416
6210	50	90	20	6700	8500	35	23.2	0.463
6211	55	100	21	6000	7500	43.5	29.2	0.6
6212	60	110	22	5600	7000	47.8	32.8	0.78
6213	65	120	23	5000	6300	57.2	40	0.99
6214	70	125	24	4800	6000	60.5	45	1.08
6215	75	130	25	4500	5600	66	49.5	1.17
6216	80	140	26	4300	5300	71.5	54.5	1.44
6217	85	150	28	4000	5000	83	63.8	1.8
6218	90	160	30	3800	4800	95.8	71.5	2.17
6219	95	170	32	3600	4500	108	81.5	2.61
6220	100	180	34	3400	4300	122	92.8	3.2
6221	105	190	36	3200	4000	133	105	3.78
6222	110	200	38	3000	3800	144	117	4.42
6224	120	215	40	2600	3400	155	131	5.3
6226	130	230	40	2400	3200	165	148	6.12
6228	140	250	42	2000	2800	179	167	7.77
6230	150	270	45	1900	2600	203	199	9.78
6232	160	290	48	1800	2400	215	218	12.22
6234	170	310	52	1700	2200	245	260	15.24
6236	180	320	52	1600	2000	262	285	15.51
6238	190	340	55	1500	1900	285	322	18.691
6240	200	360	58	1400	1800	288	332	22.577

Deep groove ball bearing 6300 series

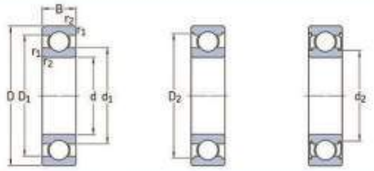
TIEFNUTZKUGELLAGER · SERIE 6300



Bearing type	Boundary Dimensions (mm)			Speed Rating(rpm)		Load Rating (kn)		Weight (kg)
	d	D	B	Grease lubrication	Oil lubrication	Dynamic Cr	Static Cor	
6300	10	35	11	18000	24000	7.65	3.48	0.053
6301	12	37	12	17000	22000	9.72	5.08	0.06
6302	15	42	13	16000	20000	11.5	5.42	0.082
6303	17	47	14	15000	18000	13.5	6.58	0.115
6304	20	52	15	13000	16000	15.8	7.88	0.142
6305	25	62	17	11000	13000	20.6	11.3	0.232
6306	30	72	19	6600	12000	26.7	15	0.346
6307	35	80	21	8500	10000	33.4	19.3	0.457
6308	40	90	23	7000	8500	40.8	24	0.639
6309	45	100	25	6300	7500	52.8	31.8	0.837
6310	50	110	27	6300	7500	62	38	1.07
6311	55	120	29	5600	6700	71.5	45	1.39
6312	60	130	31	5300	6300	82	48.5	1.71
6313	65	140	33	4800	5600	92.5	59.5	2.1
6314	70	150	35	4500	5300	104	68	2.55
6315	75	160	37	4300	5000	113	116	3.1
6316	80	170	39	3800	4500	119	86.5	3.64
6317	85	180	41	3800	4500	102	96.5	4.33
6318	90	190	43	3400	4000	144	108	4.97
6319	95	200	45	3200	3800	152	122	5.65
6320	100	215	47	2800	3600	173	140	7.09
6321	105	225	49	2600	3200	184	153	8.05
6322	110	240	50	2400	3000	205	178	9.53
6324	120	260	55	2200	2800	228	208	12.2
6326	130	280	58	2000	2600	253	242	14.77
6328	140	300	62	1900	2400	275	272	18.33
6330	150	320	65	1700	2200	288	295	21.87
6332	160	340	68	1600	2000	313	340	26.43
6334	170	360	72	1500	1900	335	378	31.14
6336	180	380	75	1400	1800	358	396	35.23
6338	190	400	78	1300	1700	379	438	39.45
6340	200	420	80	1200	1600	391	496	46.89

Deep groove ball bearing 6400 series

TIEFNUTZKUGELLAGER · SERIE 6400



Bearing type	Boundary Dimensions (mm)			Speed Rating(rpm)		Load Rating (kn)		Weight (kg)
	d	D	B	Grease lubrication	Oil lubrication	Dynamic Cr	Static Cor	
6403	17	62	17	11000	15000	22.7	10.8	0.27
6404	20	72	19	9500	13000	31	15.2	0.4
6405	25	80	21	9100	11000	36.1	19.4	0.53
6406	30	90	23	8100	9700	43.4	23.9	0.735
6407	35	100	25	7200	8600	55	31	0.952
6408	40	110	27	6300	8000	65.5	37.5	1.221
6409	45	120	29	5600	7000	77.5	45.5	1.520
6410	50	130	31	5300	6300	92	55	1.855
6411	55	140	33	5000	6000	100	62	2.31
6412	60	150	35	4800	5600	109	70	2.78
6413	65	160	37	4500	6300	118	78.5	3.25
6414	70	180	42	3800	4500	143	103	4.73
6415	75	190	45	3600	4300	153	114	5.57
6416	80	200	48	3400	4000	164	125	6.63
6417	85	210	52	3200	3800	165	136	8.12
6418	90	225	54	3000	3600	193	158	9.47
6419	95	240	55	2800	3600	204	171	13.4
6420	100	250	58	2600	3400	224	195	12.8
6422	110	280	65	2000	2800	225	238	18.3
6426	130	340	78	1800	2600	246	278	33.7
6428	140	360	82	1600	2400	278	345	45.7
6430	150	380	85	1400	2200	291	478	59.3

SDVV®

Self aligning ball bearing

Selbstausrichtendes Kugellagers

A self-aligning ball bearing is a bearing equipped with spherical balls between the inner ring of two raceways and the outer ring of a spherical raceway.
The curvature center of the outer ring raceway surface is consistent with the center of the bearing, so it has the same centering function as automatic self-aligning ball bearings. When the shaft and casing are bent, they can be automatically adjusted without increasing the bearing burden.

Ein selbstausrichtendes Kugellager ist ein Lager, das mit Kugeln zwischen dem Innenring zweier Laufbahnen und dem Außenring einer Kugelbahn ausgestattet ist.
Die Krümmungszentrum der äußeren Ringbahnfläche ist im Einklang mit der Mitte des Lagers, so dass es die gleiche Zentrierungsfunktion wie automatische sich ausrichtende Kugellager hat. Wenn Welle und Gehäuse gebogen sind, können sie automatisch verstellt werden, ohne die Lagerbelastung zu erhöhen.

Self aligning ball bearing
Selbstausrichtendes Kugellagers

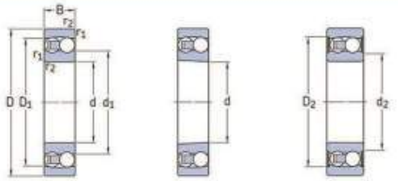


Applicable fields

Precision instrument	Mining machinery
textile machinery	Automobile and motorcycle
Metallurgical smelting	
cement	
papermaking	

Self aligning ball bearing

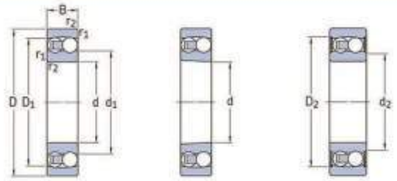
SELBSTAUSRICHTENDES KUGELLAGERS



Bearing model	dimensions			Basic rated load		Maximum speed		weight
	d	D	B	C/KN	C0/KN	r/min	r/min	Kg
108	8	22	7					
108TN	8	22	7					
126	6	19	6					
126TN	6	19	6					
127	7	22	7					
127TN	7	22	7					
129	9	26	8					
129TN	9	26	8					
1200	10	30	9	4.3	1.35	15000	19000	0.035
1200TN	10	30	9	4.3	1.35	15000	19000	0.035
1201	12	32	10	4.35	1.5	14000	18000	0.042
1201TN	12	32	10	4.35	1.5	14000	18000	0.042
1202	15	35	11	5.85	2.05	13000	17000	0.051
1202TN	15	35	11	5.85	2.05	13000	17000	0.051
1203	17	40	12	6.2	2.45	12000	16000	0.076
1203TN	17	40	12	6.2	2.45	12000	16000	0.076
1204	20	47	14	7.8	3.25	10000	14000	0.119
1204TN	20	47	14	7.8	3.25	10000	14000	0.119
1204K	20	47	14	7.8	3.25	10000	14000	0.119
1204KTN	20	47	14	7.8	3.25	10000	14000	0.119
11204	20	47						
11204TN	20	47						
1205	25	52	15	9.5	4.1	9000	12000	0.144
1205TN	25	52	15	9.5	4.1	9000	12000	0.144
1205K	25	52	15	9.5	4.1	9000	12000	0.140
1205KTN	25	52	15	9.5	4.1	9000	12000	0.140
11205	25	52						
11205TN	25	52						
1206	30	62	16	12.3	5.9	7500	9500	0.226
1206TN	30	62	16	12.3	5.9	7500	9500	0.226
1206K	30	62	16	12.3	5.9	7500	9500	0.222
1206KTN	30	62	16	12.3	5.9	7500	9500	0.222
11206	30	62						
11206TN	30	62						
1207	35	72	17	12.4	6.75	6700	8500	0.318
1207TN	35	72	17	12.4	6.75	6700	8500	0.318
1207K	35	72	17	12.4	6.75	6700	8500	0.315
1207KTN	35	72	17	12.4	6.75	6700	8500	0.315
11207	35	72						
11207TN	35	72						
1208	40	80	18	15	8.7	6300	8000	0.411
1208TN	40	80	18	15	8.7	6300	8000	0.411
1208K	40	80	18	15	8.7	6300	8000	0.410
1208KTN	40	80	18	15	8.7	6300	8000	0.410
11208	40	80						
11208TN	40	80						
1209	45	85	19	17.1	9.75	5600	7000	0.490
1209TN	45	85	19	17.1	9.75	5600	7000	0.490
1209K	45	85	19	17.1	9.75	5600	7000	0.485
1209KTN	45	85	19	17.1	9.75	5600	7000	0.485

Self aligning ball bearing

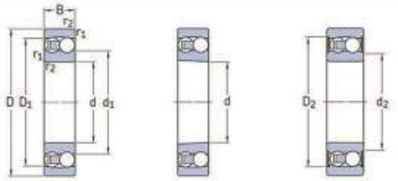
SELBSTAUSRICHTENDES KUGELLAGERS



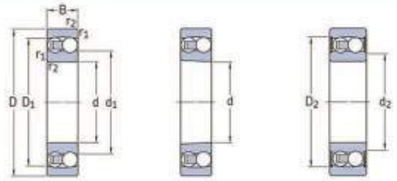
Bearing model	dimensions			Basic rated load		Maximum speed		weight
	d	D	B	C/KN	C0/KN	r/min	r/min	Kg
1210	50	90	20	17.8	10	5300	6700	0.545
1210TN	50	90	20	17.8	10	5300	6700	0.545
1210K	50	90	20	17.8	10	5300	6700	0.535
1210KTN	50	90	20	17.8	10	5300	6700	0.535
11210	50	90						
11210TN	50	90						
1211	55	100	21	21	13.5	4800	6000	0.722
1211TN	55	100	21	21	13.5	4800	6000	0.722
1211K	55	100	21	21	13.5	4800	6000	0.709
1211KTN	55	100	21	21	13.5	4800	6000	0.709
11211	55	100						
11211TN	55	100						
1212	60	110	22	23.6	15.9	4500	5600	0.895
1212TN	60	110	22	23.6	15.9	4500	5600	0.895
1212K	60	110	22	23.6	15.9	4500	5600	0.877
1212KTN	60	110	22	23.6	15.9	4500	5600	0.877
11212	60	110						
11212TN	60	110						
1213	65	120	23	24.3	17.5	4000	5000	0.920
1213TN	65	120	23	24.3	17.5	4000	5000	0.920
1213K	65	120	23	24.3	17.5	4000	5000	0.900
1213KTN	65	120	23	24.3	17.5	4000	5000	1.900
1214	70	125	24	27.1	19.1	3800	4800	1.290
1214TN	70	125	24	27.1	19.1	3800	4800	1.290
1214K	70	125	24	27.1	19.1	3800	4800	1.260
1214KTN	70	125	24	27.1	19.1	3800	4800	1.260
1215	75	130	25	30.5	21.8	3600	4500	1.350
1215TN	75	130	25	30.5	21.8	3600	4500	1.350
1215K	75	130	25	30.5	21.8	3600	4500	1.300
1215KTN	75	130	25	30.5	21.8	3600	4500	1.300
1216	80	140	26	31.2	24	3400	4300	1.690
1216TN	80	140	26	31.2	24	3400	4300	1.690
1216K	80	140	26	31.2	24	3400	4300	1.600
1216KTN	80	140	26	31.2	24	3400	4300	1.600
1217	85	150	28	38.4	29	3200	4000	2.100
1217TN	85	150	28	38.4	29	3200	4000	2.100
1217K	85	150	28	38.4	29	3200	4000	2.070
1217KTN	85	150	28	38.4	29	3200	4000	2.070
1217M	85	150	28	38.4	29	3200	4000	2.150
1218	90	160	30	44.5	32.4	3000	3800	2.440
1218TN	90	160	30	44.5	32.4	3000	3800	2.440
1218K	90	160	30	44.5	32.4	3000	3800	2.400
1218KTN	90	160	30	44.5	32.4	3000	3800	2.400
1219	95	170	32	49.8	37.3	2800	3600	3.060
1219T	95	170	32	49.8	37.3	2800	3600	3.020
1220	100	180	34	53.9	41.2	2600	3400	3.700
1220K	100	180	34	53.9	41.2	2600	3400	3.670
1221	105	190	36			2400	3200	4.700
1221K	105	190	36			2400	3200	4.630
1222	110	200	38	78.5	51	2200	3000	5.200

Self aligning ball bearing

SELBSTAUSRICHTENDES KUGELLAGERS



Bearing model	dimensions			Basic rated load		Maximum speed		weight
	d	D	B	C/KN	C0/KN	r/min	r/min	Kg
1300系列	10	35	11	5.65	1.85	14000	18000	0.030
1300TN	10	35	11	5.65	1.85	14000	18000	0.030
1301	12	37	12	7.4	2.4	13000	17000	0.070
1301TN	12	37	12	7.4	2.4	13000	17000	0.070
1302	15	42	13	7.45	2.7	12000	16000	0.100
1302TN	15	42	13	7.45	2.7	12000	16000	0.100
1303	17	47	14	9.8	3.75	11000	15000	0.140
1303TN	17	47	14	9.8	3.75	11000	15000	0.140
1304	20	52	15	11.7	4.1	9500	13000	0.170
1304TN	20	52	15	11.7	4.1	9500	13000	0.170
1305	25	62	17	14.1	6.1	8000	10000	0.260
1305TN	25	62	17	14.1	6.1	8000	10000	0.260
1305K	25	62	17	14.1	6.1	8000	10000	0.260
1305KTN	25	62	17	14.1	6.1	8000	10000	0.260
1306	30	72	19	16.7	7.9	7000	9000	0.398
1306TN	30	72	19	16.7	7.9	7000	9000	0.398
1306K	30	72	19	16.7	7.9	7000	9000	0.398
1306KTN	30	72	19	16.7	7.9	7000	9000	0.398
1307	35	80	21	19.7	10	6300	8000	0.537
1307TN	35	80	21	19.7	10	6300	8000	0.537
1307K	35	80	21	19.7	10	6300	8000	0.529
1307KTN	35	80	21	19.7	10	6300	8000	0.529
1308	40	90	23	23.3	12.4	5600	7000	0.706
1308TN	40	90	23	23.3	12.4	5600	7000	0.706
1308K	40	90	23	23.3	12.4	5600	7000	0.693
1308KTN	40	90	23	23.3	12.4	5600	7000	0.693
11308	40	90						
11308TN	40	90						
1309	45	100	25	29.9	16.2	5000	6300	0.962
1309TN	45	100	25	29.9	16.2	5000	6300	0.962
1309K	45	100	25	29.9	16.2	5000	6300	0.950
1309KTN	45	100	25	29.9	16.2	5000	6300	0.950
1310	50	110	27	33.9	17.8	4800	6000	1.210
1310TN	50	110	27	33.9	17.8	4800	6000	1.210
1310K	50	110	27	33.9	17.8	4800	6000	1.100
1310KTN	50	110	27	33.9	17.8	4800	6000	1.100
1310M	50	110	27	33.9	17.8	4800	6000	1.100
1311	55	120	29	40.3	22.9	4300	5300	1.580
1311TN	55	120	29	40.3	22.9	4300	5300	1.580
1311K	55	120	29	40.3	22.9	4300	5300	1.560
1311KTN	55	120	29	40.3	22.9	4300	5300	1.560
1312	60	130	31	44.9	27.1	4000	5000	1.960
1312TN	60	130	31	44.9	27.1	4000	5000	1.960
1312K	60	130	31	44.9	27.1	4000	5000	1.870
1312KTN	60	130	31	44.9	27.1	4000	5000	1.870
1313	65	140	33	48.6	29.9	3600	4500	2.390
1313TN	65	140	33	48.6	29.9	3600	4500	2.390
1313K	65	140	33	48.6	29.9	3600	4500	2.370
1313KTN	65	140	33	48.6	29.9	3600	4500	2.370
1314	70	150	35	58.3	35.9	3400	4300	2.983



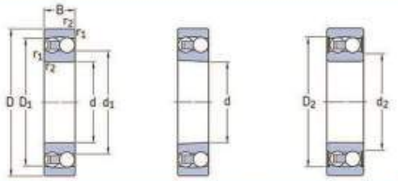
Self aligning ball bearing

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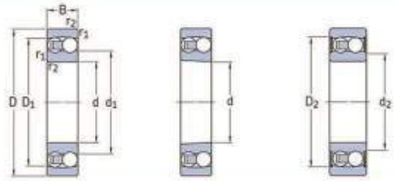
Bearing model	dimensions			Basic rated load		Maximum speed		weight
	d	D	B	C/KN	C0/KN	r/min	r/min	Kg
1314TN	70	150	35	58.3	35.9	3400	4300	2.983
1314K	70	150	35	58.3	35.9	3400	4300	2.970
1314KTN	70	150	35	58.3	35.9	3400	4300	2.970
1315	75	160	37	62.1	39.1	3200	4000	3.550
1315TN	75	160	37	62.1	39.1	3200	4000	3.550
1315K	75	160	37	62.1	39.1	3200	4000	3.490
1315KTN	75	160	37	62.1	39.1	3200	4000	3.490
1316	80	170	39	69.4	43	3000	3800	4.190
1316TN	80	170	39	69.4	43	3000	3800	4.190
1316K	80	170	39	69.4	43	3000	3800	4.060
1316KTN	80	170	39	69.4	43	3000	3800	4.060
1317	85	180	41	76.8	49.5	2800	3600	4.950
1317M	85	180	41	76.8	49.5	2800	3600	5.110
1317K	85	180	41	76.8	49.5	2800	3600	4.880
1318	90	190	43	91.2	57.2	2600	3400	5.990
1318M	90	190	43	91.2	57.2	2600	3400	6.150
1318K	90	190	43	91.2	57.2	2600	3400	5.500
1319	95	200	45	103	65.1	2400	3200	6.980
1319K	95	200	45	103	65.1	2400	3200	6.850
1319M	95	200	45	103	65.1	2400	3200	6.980
1319KM	95	200	45	103	65.1	2400	3200	6.920
1320	100	215	47	112	73.4	2000	2800	8.640
1320K	100	215	47	112	73.4	2000	2800	8.640
1320M	100	215	47	112	73.4	2000	2800	8.840
1320KM	100	215	47	112	73.4	2000	2800	8.790
1321	105	225	49					
1321K	105	225	49					
1321M	105	225	49					
1322	110	240	50	153	86	1800	2400	12.000
1322K	110	240	50	153	86	1800	2400	11.900
1322M	110	240	50	153	86	1800	2400	12.100
2200系列	10	30	14	5.6	1.75	15000	19000	0.050
2200TN	10	30	14	5.6	1.75	15000	19000	0.050
2200-2RS	10	30	14	5.6	1.75	15000	19000	0.050
2201	12	32	14	5.8	1.95	14000	18000	0.055
2201TN	12	32	14	5.8	1.95	14000	18000	0.055
2201-2RS	12	32	14	5.8	1.95	14000	18000	0.055
2202	15	35	14	6	2.2	13000	17000	0.060
2202TN	15	35	14	6	2.2	13000	17000	0.060
2202-2RS	15	35	14	6	2.2	13000	17000	0.060
2203	17	40	16	7.65	2.8	12000	16000	0.090
2203TN	17	40	16	7.65	2.8	12000	16000	0.090
2203-2RS	17	40	16	7.65	2.8	12000	16000	0.090
2204	20	47	18	9.8	3.96	10000	14000	0.152
2204TN	20	47	18	9.8	3.96	10000	14000	0.152
2204-2RS	20	47	18	9.8	3.96	10000	14000	0.152
2205	25	52	18	10.9	4.35	9000	12000	0.187
2205TN	25	52	18	10.9	4.35	9000	12000	0.187

Self aligning ball bearing

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Bearing model	dimensions			Basic rated load		Maximum speed		weight
	d	D	B	C/KN	C0/KN	r/min	r/min	Kg
2205K	25	52	18	10.9	4.35	9000	12000	0.160
2205KTN	25	52	18	10.9	4.35	9000	12000	0.160
2205-2RS	25	52	20	10.9	4.35	9000	12000	0.187
2206	30	62	20	12	5.8	7500	9500	0.260
2206TN	30	62	20	12	5.8	7500	9500	0.236
2206K	30	62	20	12	5.8	7500	9500	0.145
2206KTN	30	62	20	12	5.8	7500	9500	0.145
2206-2RS	30	62	23	12	5.8	7500	9500	0.260
2207	35	72	23	17	8.4	6700	8500	0.441
2207TN	35	72	23	17	8.4	6700	8500	0.441
2207K	35	72	23	17	8.4	6700	8500	0.400
2207KTN	35	72	23	17	8.4	6700	8500	0.400
2207-2RS	35	72	23	17	8.4	6700	8500	0.441
2208	40	80	23	17.6	9.65	6300	8000	0.530
2208TN	40	80	23	17.6	9.65	6300	8000	0.530
2208K	40	80	23	17.6	9.65	6300	8000	0.519
2208KTN	40	80	23	17.6	9.65	6300	8000	0.519
2208-2RS	40	80	23	17.6	9.65	6300	8000	0.530
2209	45	85	23	18.2	10.9	5600	7000	0.553
2209TN	45	85	23	18.2	10.9	5600	7000	0.553
2209K	45	85	23	18.2	10.9	5600	7000	0.550
2209TKTN	45	85	23	18.2	10.9	5600	7000	0.550
2209-2RS	45	85	23	18.2	10.9	5600	7000	0.553
2210	50	90	23	19.5	115	5300	6700	0.545
2210TN	50	90	23	19.5	11.5	5300	6700	0.545
2210K	50	90	23	19.5	11.5	5300	6700	0.535
2210KTN	50	90	23	19.5	11.5	5300	6700	0.535
2210-2RS	50	90	23	19.5	11.5	5300	6700	0.535
2211	55	100	25	21	13.5	4800	6000	0.824
2211TN	55	100	25	21	13.5	4800	6000	0.824
2211K	55	100	25	21	13.5	4800	6000	0.820
2211KTN	55	100	25	21	13.5	4800	6000	0.820
2211-2RS	55	100	25	21	13.5	4800	6000	0.824
2212	60	110	28	26.8	17	4500	5600	1.160
2212TN	60	110	28	26.8	17	4500	5600	1.160
2212K	60	110	28	26.8	17	4500	5600	1.090
2212KTN	60	110	28	26.8	17	4500	5600	1.090
2212-2RS	60	110	28	26.8	17	4500	5600	1.160
2213	65	120	31	34.2	21.9	4000	5000	1.500
2213TN	65	120	31	34.2	21.9	4000	5000	1.500
2213K	65	120	31	34.2	21.9	4000	5000	1.460
2213KTN	65	120	31	34.2	21.9	4000	5000	1.460
2213-2RS	65	120	31	34.2	21.9	4000	5000	1.500
2214	70	125	31	34.4	23.2	3800	4800	1.630
2214TN	70	125	31	34.4	23.2	3800	4800	1.630
2214K	70	125	31	34.4	23.2	3800	4800	1.520
2214KTN	70	125	31	34.4	23.2	3800	4800	1.520
2214-2RS	70	125	31	34.4	23.2	3800	4800	1.630
2215	75	135	31	34.4	24.4	3600	4500	1.710
2215TN	75	135	31	34.4	24.4	3600	4500	1.710



Self aligning ball bearing

SELBSTAUSRICHTENDES KUGELLAGERS

Bearing model	dimensions			Basic rated load		Maximum speed		weight
	d	D	B	C/KN	C0/KN	r/min	r/min	Kg
2301	12	37	17	8.65	2.55	14000	18000	0.090
2301TN	12	37	17	8.65	2.55	14000	18000	0.090
2301-2RS	12	37	17	8.65	2.55	14000	18000	0.090
2302	15	42	17	9.4	3.3	12000	16000	0.110
2302TN	15	42	17	9.4	3.3	12000	16000	0.110
2302-2RS	15	42	17	9.4	3.3	12000	16000	0.110
2303	17	47	19	11.3	4.1	11000	15000	0.170
2303TN	17	47	19	11.3	4.1	11000	15000	0.170
2303-2RS	17	47	19	11.3	4.1	11000	15000	0.170
2304	20	52	21	14.2	5.4	9500	13000	0.219
2304TN	20	52	21	14.2	5.4	9500	13000	0.219
2304-2RS	20	52	21	14.2	5.4	9500	13000	0.219
2305	25	62	24	19.2	7.6	8000	10000	0.350
2305TN	25	62	24	19.2	7.6	8000	10000	0.350
2305K	25	62	24	19.2	7.6	8000	10000	0.350
2305KTN	25	62	24	19.2	7.6	8000	10000	0.350
2305-2RS	25	62	24	19.2	7.6	8000	10000	0.350
2305M	25	62	24	19.2	7.6	8000	10000	0.350
2306	30	72	27	24.6	10.2	7000	9000	0.520
2306TN	30	72	27	24.6	10.2	7000	9000	0.520
2306K	30	72	27	24.6	10.2	7000	9000	0.520
2306KTN	30	72	27	24.6	10.2	7000	9000	0.520
2306-2RS	30	72	27	24.6	10.2	7000	9000	0.520
2306M	30	72	27	24.6	10.2	7000	9000	0.520
2307	35	80	31	30.9	13	6300	8000	0.680
2307TN	35	80	31	30.9	13	6300	8000	0.680
2307K	35	80	31	30.9	13	6300	8000	0.680
2307KTN	35	80	31	30.9	13	6300	8000	0.680
2307-2RS	35	80	31	30.9	13	6300	8000	0.680
2307M	35	80	31	30.9	13	6300	8000	0.680
2308	40	90	33	35.1	16	5600	7000	0.960
2308TN	40	90	33	35.1	16	5600	7000	0.960
2308K	40	90	33	35.1	16	5600	7000	0.940
2308KTN	40	90	33	35.1	16	5600	7000	0.940
2308-2RS	40	90	33	35.1	16	5600	7000	0.960
2308M	40	90	33	35.1	16	5600	7000	0.940
2309	45	100	36	42.4	19.8	5000	6300	1.300
2309TN	45	100	36	42.4	19.8	5000	6300	1.300
2309K	45	100	36	42.4	19.8	5000	6300	1.260
2309KTN	45	100	36	42.4	19.8	5000	6300	1.260
2309-2RS	45	100	36	42.4	19.8	5000	6300	1.300
2310	50	110	40	50.4	23.9	4800	6000	1.700
2310TN	50	110	40	50.4	23.9	4800	6000	1.700
2310K	50	110	40	50.4	23.9	4800	6000	0.650
2310KTN	50	110	40	50.4	23.9	4800	6000	1.650
2310-2RS	50	110	40	50.4	23.9	4800	6000	1.700
2311	55	120	43	59.1	28.6	4300	5300	2.100
2311TN	55	120	43	59.1	28.6	4300	5300	2.100
2311K	55	120	43	59.1	28.6	4300	5300	2.040
2311KTN	55	120	43	59.1	28.6	4300	5300	2.040

SDVV®

Cylindrical roller bearing

Zylindrisches Rollenlager

Cylindrical roller bearings have a line contact between the rollers and the raceways. They have a high load-carrying capacity and mainly bear radial loads. The friction between the rolling elements and the flange of the ring is small, making them suitable for high-speed rotation. According to whether the ring has a flange or not, they can be divided into single-row cylindrical roller bearings such as NU, NJ, NUP, N, NF, and double-row cylindrical roller bearings such as NNU, NN. This type of bearing has a separable structure between the inner ring and the outer ring.

Zylindrische Rollenlager weisen einen Leitungskontakt zwischen den Rollen und den Laufbahnen auf. Sie haben eine hohe Tragfähigkeit und tragen hauptsächlich radiale Belastungen. Die Reibung zwischen den Walzelementen und dem Flansch des Ringes ist gering, was sie für eine hohe Drehgeschwindigkeit geeignet macht. Je nachdem, ob der Ring einen Flansch hat oder nicht, können sie in einreihige zylindrische Rollenlager wie NU, NJ, NUP, N, NF und doppelreihige zylindrische Rollenlager wie NNU, NN unterteilt werden. Diese Art von Lager weist eine trennbare Struktur zwischen dem Innenring und dem Außenring auf.

Cylindrical roller bearing
Zylindrisches Rollenlager



Applicable fields

Machine tool spindle	Vibration sieve
internal-combustion engine	smelt
electric machinery	
transmission case	
Lifting and transportation	

INTRODUCTION TO CYLINDRICAL ROLLER BEARINGS

Einführung in zylindrische Rollenlager



Code Name: N

The outer ring of the N-type bearing has no ribs, while the inner ring has ribs on both sides. The displacement of the shaft relative to the bearing seat in both axial directions can be allowed.

Der Außenring des N-Lagers hat keine Rippen, während der Innenring beidseitig Rippen hat. Die Verschiebung der Welle gegenüber dem Lagersitz in beiden Axialrichtungen ist zulässig.



Code Name: NU

NU type bearings have retaining edges on both sides of the outer ring, while the inner ring has no retaining edges. It is also possible to allow displacement of the shaft in both axial directions relative to the bearing seat.

Die Lager des Typs NU weisen auf beiden Seiten des Außenrings Rückhaltekanten auf, während der Innenring keine Rückhaltekanten aufweist. Es ist auch möglich, die Welle in beiden axialen Richtungen relativ zum Lagersitz zu verschieben.



Code Name: NJ

NJ type bearings have retaining edges on both sides of the outer ring and retaining edges on one side of the inner ring. Can withstand a certain amount of unidirectional axial load.

NJ-Typ-Lager haben Haltekanten auf beiden Seiten des Außenrings und Haltekanten auf einer Seite des Innenrings. Kann einer gewissen Menge an unidirektionaler Axiallast standhalten.



Code Name: NF

The outer ring of NF type bearings has retaining edges on one side, and the inner ring has retaining edges on both sides. It can also withstand a certain amount of unidirectional axial load.

Der Außenring von Lagern des Typs NF weist auf einer Seite Halterkanten auf, und der Innenring weist auf beiden Seiten Halterkanten auf. Es kann auch einer gewissen Menge an unidirektionaler Axiallast standhalten.



Code Name: NUP

NUP type bearings have retaining edges on both sides of the outer ring, a fixed single retaining edge on one side of the inner ring, and a separable flat retaining ring on the other side. Can withstand a certain amount of bidirectional axial load.

Lager des Typs NUP weisen auf beiden Seiten des Außenrings Halterkanten, auf einer Seite des Innenrings eine feste einzelne Halterkante und auf der anderen Seite einen trennbaren flachen Haltering auf. Kann einer gewissen Menge bidirektionaler Axiallast standhalten.



Code Name: NFP

The NFP type bearing has a fixed single retaining edge on one side of the outer ring, and a separable flat retaining ring on the other side, with retaining edges on both sides of the inner ring.

Das Lager des Typs NFP weist auf einer Seite des Außenrings eine feste einzelne Halterkante und auf der anderen Seite einen trennbaren flachen Haltering mit Halterkanten auf beiden Seiten des Innenrings auf.



Code Name: RN

The RN type bearing is a non outer ring bearing with double ribs on the inner ring.

Das RN-Lager ist ein nicht äußeres Ringlager mit doppelten Rippen am Innenring.



Code Name: RNU

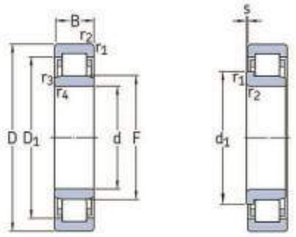
The RNU type bearing is a non inner ring bearing with double ribs on the outer ring.

Das RNU-Lager ist ein nicht inneres Ringlager mit doppelten Rippen am Außenring.

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 15-25mm



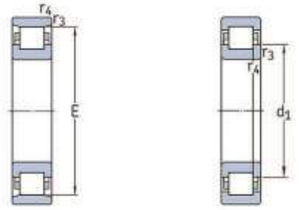
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
15	35	11	12.5	10.2	1.22	22 000	26 000	0.047	▸ **NU 202 ECP**	PHA
	35	11	12.5	10.2	1.22	22 000	26 000	0.048	▸ **NJ 202 ECP**	PHA
17	40	12	20	14.3	1.73	20 000	22 000	0.066	▸ **N 203 ECP**	PH
	40	12	20	14.3	1.73	20 000	22 000	0.068	▸ **NU 203 ECP**	PHA
	40	12	20	14.3	1.73	20 000	22 000	0.069	▸ **NJ 203 ECP**	PHA
	40	12	20	14.3	1.73	20 000	22 000	0.072	▸ **NUP 203 ECP**	PHA
	40	16	27.5	21.6	2.65	20 000	22 000	0.087	▸ **NU 2203 ECP**	–
	40	16	27.5	21.6	2.65	20 000	22 000	0.093	▸ **NJ 2203 ECP**	–
	40	16	27.5	21.6	2.65	20 000	22 000	0.097	▸ **NUP 2203 ECP**	–
	47	14	28.5	20.4	2.55	17 000	20 000	0.12	**N 303 ECP**	–
	47	14	28.5	20.4	2.55	17 000	20 000	0.12	▸ **NJ 303 ECP**	–
	47	14	28.5	20.4	2.55	17 000	20 000	0.12	▸ **NU 303 ECP**	–
20	47	14	28.5	22	2.75	17 000	19 000	0.11	▸ **N 204 ECP**	–
	47	14	28.5	22	2.75	17 000	19 000	0.11	▸ **NJ 204 ECP**	ML, PHA
	47	14	28.5	22	2.75	17 000	19 000	0.11	▸ **NU 204 ECP**	ML, PHA
	47	14	28.5	22	2.75	17 000	19 000	0.12	▸ **NUP 204 ECP**	ML, PHA
	47	18	34.5	27.5	3.45	17 000	19 000	0.14	▸ **NJ 2204 ECP**	–
	47	18	34.5	27.5	3.45	17 000	19 000	0.14	▸ **NU 2204 ECP**	–
	52	15	35.5	26	3.25	15 000	18 000	0.14	▸ **NU 304 ECP**	–
	52	15	35.5	26	3.25	15 000	18 000	0.15	▸ **N 304 ECP**	–
	52	15	35.5	26	3.25	15 000	18 000	0.15	▸ **NJ 304 ECP**	–
	52	15	35.5	26	3.25	15 000	18 000	0.16	▸ **NUP 304 ECP**	–
	52	21	47.5	38	4.8	15 000	18 000	0.21	▸ **NU 2304 ECP**	–
	52	21	47.5	38	4.8	15 000	18 000	0.22	▸ **NJ 2304 ECP**	–
	52	21	47.5	38	4.8	15 000	18 000	0.22	▸ **NUP 2304 ECP**	–
25	47	12	14.2	13.2	1.4	18 000	18 000	0.082	▸ **NU 1005**	–
	52	15	32.5	27	3.35	15 000	16 000	0.13	▸ **N 205 ECP**	–
	52	15	32.5	27	3.35	15 000	16 000	0.13	▸ **NU 205 ECP**	J, ML, PH, PHA
	52	15	32.5	27	3.35	15 000	16 000	0.14	▸ **NJ 205 ECP**	J, ML, PH, PHA
	52	15	32.5	27	3.35	15 000	16 000	0.14	▸ **NUP 205 ECP**	J, ML, PH, PHA
	52	18	39	34	4.25	15 000	16 000	0.16	▸ **NU 2205 ECP**	ML, PH
	52	18	39	34	4.25	15 000	16 000	0.17	▸ **NJ 2205 ECP**	ML, PH
	52	18	39	34	4.25	15 000	16 000	0.17	▸ **NUP 2205 ECP**	ML, PH
	62	17	46.5	36.5	4.55	12 000	15 000	0.23	▸ **N 305 ECP**	–

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 25-35mm



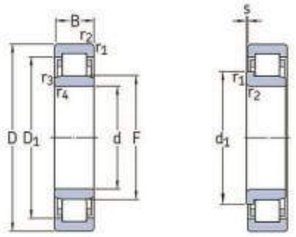
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
25	62	17	46.5	36.5	4.55	12 000	15 000	0.23	▸ **NU 305 ECP**	J, ML
	62	17	46.5	36.5	4.55	12 000	15 000	0.24	▸ **NJ 305 ECP**	J, ML
	62	17	46.5	36.5	4.55	12 000	15 000	0.25	▸ **NUP 305 ECP**	J, ML
	62	24	64	55	6.95	12 000	15 000	0.34	▸ **NU 2305 ECP**	J, ML
	62	24	64	55	6.95	12 000	15 000	0.35	▸ **NJ 2305 ECP**	J, ML
	62	24	64	55	6.95	12 000	15 000	0.36	▸ **NUP 2305 ECP**	J, ML
30	55	13	17.9	17.3	1.86	15 000	15 000	0.11	▸ **NU 1006**	–
	62	16	44	36.5	4.5	13 000	14 000	0.2	▸ **N 206 ECP**	–
	62	16	44	36.5	4.5	13 000	14 000	0.2	▸ **NU 206 ECP**	J, ML, PH
	62	16	44	36.5	4.55	13 000	14 000	0.21	▸ **NJ 206 ECP**	J, ML, PH
	62	16	44	36.5	4.55	13 000	14 000	0.21	▸ **NUP 206 ECP**	J, ML, PH
	62	20	55	49	6.1	13 000	14 000	0.26	▸ **NJ 2206 ECP**	J, ML, PH
	62	20	55	49	6.1	13 000	14 000	0.26	▸ **NU 2206 ECP**	J, ML, PH
	62	20	55	49	6.1	13 000	14 000	0.27	▸ **NUP 2206 ECP**	J, ML, PH
	72	19	58.5	48	6.2	11 000	12 000	0.36	▸ **N 306 ECP**	–
	72	19	58.5	48	6.2	11 000	12 000	0.36	▸ **NU 306 ECP**	J, M, ML
	72	19	58.5	48	6.2	11 000	12 000	0.37	▸ **NJ 306 ECP**	J, M, ML
	72	19	58.5	48	6.2	11 000	12 000	0.38	▸ **NUP 306 ECP**	J, M, ML
	72	27	83	75	9.65	11 000	12 000	0.53	▸ **NU 2306 ECP**	ML, PH
	72	27	83	75	9.65	11 000	12 000	0.54	▸ **NJ 2306 ECP**	ML, PH
	72	27	83	75	9.65	11 000	12 000	0.54	▸ **NUP 2306 ECP**	ML, PH
	90	23	60.5	53	6.8	9 000	11 000	0.75	▸ **NU 406**	MA
	90	23	60.5	53	6.8	9 000	11 000	0.78	▸ **NJ 406**	MA
35	62	14	35.8	38	4.55	13 000	13 000	0.16	▸ **NU 1007 ECP**	PH
	72	17	56	48	6.1	11 000	12 000	0.29	▸ **NU 207 ECP**	J, M, ML, PH, PHA
	72	17	56	48	6.1	11 000	12 000	0.3	▸ **N 207 ECP**	–
	72	17	56	48	6.1	11 000	12 000	0.3	▸ **NJ 207 ECP**	J, M, ML, PH, PHA
	72	17	56	48	6.1	11 000	12 000	0.31	▸ **NUP 207 ECP**	J, M, ML, PH, PHA
	72	23	69.5	63	8.15	11 000	12 000	0.4	▸ **NU 2207 ECP**	J, ML, PH
	72	23	69.5	63	8.15	11 000	12 000	0.41	▸ **NJ 2207 ECP**	J, ML, PH
	72	23	69.5	63	8.15	11 000	12 000	0.42	▸ **NUP 2207 ECP**	J, ML, PH
	80	21	75	63	8.15	9 500	11 000	0.47	▸ **NU 307 ECP**	J, M, ML, PH
	80	21	75	63	8.15	9 500	11 000	0.48	**N 307 ECP**	–
	80	21	75	63	8.15	9 500	11 000	0.49	▸ **NJ 307 ECP**	J, M, ML, PH
	80	21	75	63	8.15	9 500	11 000	0.49	▸ **NUP 307 ECP**	J, M, ML, PH

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 35-45mm



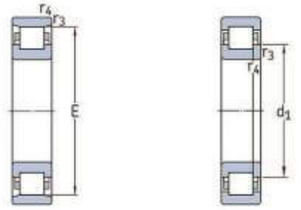
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
35	80	31	106	98	12.7	9 500	11 000	0.72	▸ **NU 2307 ECP**	PH
	80	31	106	98	12.7	9 500	11 000	0.73	▸ **NJ 2307 ECP**	PH
	80	31	106	98	12.7	9 500	11 000	0.76	▸ **NUP 2307 ECP**	PH
	100	25	76.5	69.5	9	8 000	9 500	1	▸ **NJ 407**	–
	100	25	76.5	69.5	9	8 000	9 500	1	▸ **NU 407**	–
40	68	15	25.1	26	3	12 000	18 000	0.23	▸ **NU 1008 ML**	–
	80	18	62	53	6.7	9 500	11 000	0.37	▸ **N 208 ECP**	PH
	80	18	62	53	6.7	9 500	11 000	0.37	▸ **NU 208 ECP**	J, M, ML, PH
	80	18	62	53	6.7	9 500	11 000	0.38	▸ **NJ 208 ECP**	J, M, ML, PH
	80	18	62	53	6.7	9 500	11 000	0.39	▸ **NUP 208 ECP**	J, M, ML, PH
	80	23	81.5	75	9.65	9 500	11 000	0.49	▸ **NU 2208 ECP**	J, ML, PH
	80	23	81.5	75	9.65	9 500	11 000	0.5	▸ **NJ 2208 ECP**	J, ML, PH
	80	23	81.5	75	9.65	9 500	11 000	0.51	▸ **NUP 2208 ECP**	J, ML, PH
	90	23	93	78	10.2	8 000	9 500	0.65	▸ **N 308 ECP**	M
	90	23	93	78	10.2	8 000	9 500	0.65	▸ **NU 308 ECP**	J, M, ML, PH
	90	23	93	78	10.2	8 000	9 500	0.67	▸ **NJ 308 ECP**	J, M, ML, PH
	90	23	93	78	10.2	8 000	9 500	0.68	▸ **NUP 308 ECP**	J, M, ML, PH
	90	33	129	120	15.3	8 000	9 500	0.93	▸ **NU 2308 ECP**	J, M, ML, PH
	90	33	129	120	15.3	8 000	9 500	0.95	▸ **NJ 2308 ECP**	J, M, ML, PH
	90	33	129	120	15.3	8 000	9 500	0.98	▸ **NUP 2308 ECP**	J, M, ML, PH
	110	27	96.8	90	11.6	7 000	8 500	1.3	▸ **NJ 408**	M. MA
	110	27	96.8	90	11.6	7 000	8 500	1.3	▸ **NU 408**	M. MA
45	75	16	44.6	52	6.3	11 000	11 000	0.25	▸ **NU 1009 ECP**	–
	75	16	44.6	52	6.3	11 000	11 000	0.26	▸ **NJ 1009 ECP**	PH
	85	19	69.5	64	8.15	9 000	9 500	0.42	▸ **NU 209 ECP**	J, M, ML
	85	19	69.5	64	8.15	9 000	9 500	0.43	▸ **N 209 ECP**	M
	85	19	69.5	64	8.15	9 000	9 500	0.44	▸ **NJ 209 ECP**	J, M, ML
	85	19	69.5	64	8.15	9 000	9 500	0.44	▸ **NUP 209 ECP**	J, M, ML
	85	23	85	81.5	10.6	9 000	9 500	0.52	▸ **NU 2209 ECP**	J. PH
	85	23	85	81.5	10.6	9 000	9 500	0.54	▸ **NJ 2209 ECP**	J. PH
	85	23	85	81.5	10.6	9 000	9 500	0.55	▸ **NUP 2209 ECP**	J. PH
	100	25	112	100	12.9	7 500	8 500	0.88	▸ **N 309 ECP**	–
	100	25	112	100	12.9	7 500	8 500	0.89	▸ **NJ 309 ECP**	J, M, ML, PH
	100	25	112	100	12.9	7 500	8 500	0.9	▸ **NU 309 ECP**	J, M, ML, PH

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 45-55mm



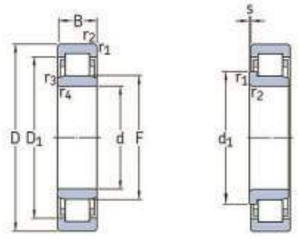
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
45	100	25	112	100	12.9	7 500	8 500	0.93	▸ **NUP 309 ECP**	J, M, ML, PH
	100	36	160	153	20	7 500	8 500	1.3	▸ **NU 2309 ECP**	ML
	100	36	160	153	20	7 500	8 500	1.35	▸ **NJ 2309 ECP**	ML
	100	36	160	153	20	7 500	8 500	1.35	▸ **NUP 2309 ECP**	ML
	120	29	106	102	13.4	6 700	7 500	1.65	▸ **NJ 409**	–
	120	29	106	102	13.4	6 700	7 500	1.65	▸ **NU 409**	–
50	80	16	46.8	56	6.7	9 500	9 500	0.27	▸ **NU 1010 ECP**	–
	90	20	73.5	69.5	8.8	8 500	9 000	0.47	▸ **NU 210 ECP**	J, M, ML, PH
	90	20	73.5	69.5	8.8	8 500	9 000	0.48	**N 210 ECP**	M
	90	20	73.5	69.5	8.8	8 500	9 000	0.49	▸ **NJ 210 ECP**	J, M, ML, PH
	90	20	73.5	69.5	8.8	8 500	9 000	0.5	▸ **NUP 210 ECP**	J, M, ML, PH
	90	23	90	88	11.4	8 500	9 000	0.56	▸ **NU 2210 ECP**	J, M, ML, PH
	90	23	90	88	11.4	8 500	9 000	0.57	▸ **NJ 2210 ECP**	J, M, ML, PH
	90	23	90	88	11.4	8 500	9 000	0.59	▸ **NUP 2210 ECP**	J, M, ML, PH
	110	27	127	112	15	6 700	8 000	1.1	**N 310 ECP**	–
	110	27	127	112	15	6 700	8 000	1.1	▸ **NU 310 ECP**	J, M, ML, PH
	110	27	127	112	15	6 700	8 000	1.15	▸ **NJ 310 ECP**	J, M, ML, PH
	110	27	127	112	15	6 700	8 000	1.15	▸ **NUP 310 ECP**	J, M, ML, PH
	110	40	186	186	24.5	6 700	8 000	1.75	▸ **NJ 2310 ECP**	ML, PH
	110	40	186	186	24.5	6 700	8 000	1.75	▸ **NU 2310 ECP**	ML, PH
	110	40	186	186	24.5	6 700	8 000	1.75	▸ **NUP 2310 ECP**	ML, PH
	130	31	130	127	16.6	6 000	7 000	2	▸ **NU 410**	–
	130	31	130	127	16.6	6 000	7 000	2.05	▸ **NJ 410**	–
55	90	18	57.2	69.5	8.3	8 500	8 500	0.39	▸ **NU 1011 ECP**	ML
	90	18	57.2	69.5	8.3	8 500	8 500	0.42	**NJ 1011 ECP**	ML
	100	21	96.5	95	12.2	7 500	8 000	0.65	▸ **N 211 ECP**	–
	100	21	96.5	95	12.2	7 500	8 000	0.66	▸ **NU 211 ECP**	J, M, ML
	100	21	96.5	95	12.2	7 500	8 000	0.67	▸ **NJ 211 ECP**	J, M, ML
	100	21	96.5	95	12.2	7 500	8 000	0.68	▸ **NUP 211 ECP**	J, M, ML
	100	25	114	118	15.3	7 500	8 000	0.79	▸ **NU 2211 ECP**	J, M, ML, PH
	100	25	114	118	15.3	7 500	8 000	0.81	▸ **NJ 2211 ECP**	J, M, ML, PH
	100	25	114	118	15.3	7 500	8 000	0.82	▸ **NUP 2211 ECP**	J, M, ML, PH
	120	29	156	143	18.6	6 000	7 000	1.45	▸ **N 311 ECP**	M
	120	29	156	143	18.6	6 000	7 000	1.45	▸ **NU 311 ECP**	J, M, ML
	120	29	156	143	18.6	6 000	7 000	1.5	▸ **NJ 311 ECP**	J, M, ML

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 55-65mm



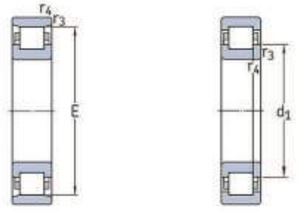
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
55	120	29	156	143	18.6	6 000	7 000	1.5	▸ **NUP 311 ECP**	J, M, ML
	120	43	232	232	30.5	6 000	7 000	2.25	▸ **NJ 2311 ECP**	ML, PH
	120	43	232	232	30.5	6 000	7 000	2.25	▸ **NU 2311 ECP**	ML, PH
	120	43	232	232	30.5	6 000	7 000	2.3	▸ **NUP 2311 ECP**	ML, PH
	140	33	142	140	18.6	5 600	6 300	2.5	▸ **NU 411**	–
	140	33	142	140	18.6	5 600	6 300	2.55	**NJ 411**	–
60	95	18	37.4	44	5.3	8 000	13 000	0.5	▸ **NU 1012 ML**	–
	110	22	108	102	13.4	6 700	7 500	0.79	▸ **N 212 ECP**	M
	110	22	108	102	13.4	6 700	7 500	0.8	▸ **NU 212 ECP**	J, M, ML
	110	22	108	102	13.4	6 700	7 500	0.82	▸ **NJ 212 ECP**	J, M, ML
	110	22	108	102	13.4	6 700	7 500	0.86	▸ **NUP 212 ECP**	J, M, ML
	110	28	146	153	20	6 700	7 500	1.05	▸ **NU 2212 ECP**	J, M, ML, PH
	110	28	146	153	20	6 700	7 500	1.1	▸ **NJ 2212 ECP**	J, M, ML, PH
	110	28	146	153	20	6 700	7 500	1.1	▸ **NUP 2212 ECP**	J, M, ML, PH
	130	31	173	160	21.2	5 600	6 700	1.75	▸ **N 312 ECP**	J. M
	130	31	173	160	21.2	5 600	6 700	1.75	▸ **NU 312 ECP**	J, M, ML, PH
	130	31	173	160	21.2	5 600	6 700	1.85	▸ **NJ 312 ECP**	J, M, ML, PH
	130	31	173	160	21.2	5 600	6 700	1.9	▸ **NUP 312 ECP**	J, M, ML, PH
	130	46	260	265	34.5	5 600	6 700	2.75	▸ **NU 2312 ECP**	M, ML, PH
	130	46	260	265	34.5	5 600	6 700	2.8	▸ **NJ 2312 ECP**	M, ML, PH
	130	46	260	265	34.5	5 600	6 700	2.85	▸ **NUP 2312 ECP**	M, ML, PH
	150	35	168	173	22	5 000	6 000	3	▸ **NU 412**	–
	150	35	168	173	22	5 000	6 000	3.05	▸ **NJ 412**	–
65	100	18	38	46.5	5.5	7 500	12 000	0.51	▸ **NU 1013 ML**	–
	100	18	62.7	81.5	9.8	7 500	7 500	0.45	▸ **NU 1013 ECP**	PH
	120	23	122	118	15.6	6 300	6 700	1	▸ **NU 213 ECP**	J, M, ML, PH
	120	23	122	118	15.6	6 300	6 700	1.05	▸ **N 213 ECP**	–
	120	23	122	118	15.6	6 300	6 700	1.05	▸ **NJ 213 ECP**	J, M, ML, PH
	120	23	122	118	15.6	6 300	6 700	1.05	▸ **NUP 213 ECP**	J, M, ML, PH
	120	31	170	180	24	6 300	6 700	1.4	▸ **NU 2213 ECP**	J, ML, PH
	120	31	170	180	24	6 300	6 700	1.45	▸ **NJ 2213 ECP**	J, ML, PH
	120	31	170	180	24	6 300	6 700	1.45	▸ **NUP 2213 ECP**	J, ML, PH
	140	33	212	196	25.5	5 300	6 000	2.2	▸ **N 313 ECP**	M
	140	33	212	196	25.5	5 300	6 000	2.2	▸ **NU 313 ECP**	J, M, ML, PH
	140	33	212	196	25.5	5 300	6 000	2.3	▸ **NJ 313 ECP**	J, M, ML, PH

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 65-75mm



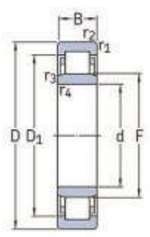
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
65	140	33	212	196	25.5	5 300	6 000	2.35	▸ **NUP 313 ECP**	J, M, ML, PH
	140	48	285	290	38	5 300	6 000	3.2	▸ **NU 2313 ECP**	ML, PH
	140	48	285	290	38	5 300	6 000	3.35	▸ **NJ 2313 ECP**	ML, PH
	140	48	285	290	38	5 300	6 000	3.45	▸ **NUP 2313 ECP**	ML, PH
	160	37	183	190	24	4 800	5 600	3.55	▸ **NU 413**	–
	160	37	183	190	24	4 800	5 600	3.65	▸ **NJ 413**	–
70	110	20	56.1	67	8	7 000	11 000	0.7	▸ **NU 1014 ML**	–
	110	20	76.5	93	12	7 000	7 000	0.61	▸ **NU 1014 ECP**	–
	125	24	137	137	18	6 000	6 300	1.1	▸ **N 214 ECP**	M
	125	24	137	137	18	6 000	6 300	1.15	▸ **NU 214 ECP**	J, M, ML, PH
	125	24	137	137	18	6 000	6 300	1.2	▸ **NJ 214 ECP**	J, M, ML, PH
	125	24	137	137	18	6 000	6 300	1.2	▸ **NUP 214 ECP**	J, M, ML, PH
	125	31	180	193	25.5	6 000	6 300	1.5	▸ **NJ 2214 ECP**	J, M, ML, PH
	125	31	180	193	25.5	6 000	6 300	1.5	▸ **NU 2214 ECP**	J, M, ML, PH
	125	31	180	193	25.5	6 000	6 300	1.55	▸ **NUP 2214 ECP**	J, M, ML, PH
	150	35	236	228	29	4 800	5 600	2.65	▸ **N 314 ECP**	M
	150	35	236	228	29	4 800	5 600	2.7	▸ **NU 314 ECP**	J, M, ML, PH
	150	35	236	228	29	4 800	5 600	2.75	▸ **NJ 314 ECP**	J, M, ML, PH
	150	35	236	228	29	4 800	5 600	2.85	▸ **NUP 314 ECP**	J, M, ML, PH
	150	51	315	325	41.5	4 800	5 600	3.95	▸ **NU 2314 ECP**	ML, PH
	150	51	315	325	41.5	4 800	5 600	4	▸ **NJ 2314 ECP**	ML, PH
	150	51	315	325	41.5	4 800	5 600	4.15	▸ **NUP 2314 ECP**	ML, PH
	180	42	229	240	30	4 300	5 000	5.25	▸ **NU 414**	MA
	180	42	229	240	30	4 300	5 000	5.45	▸ **NJ 414**	MA
75	115	20	58.3	71	8.5	6 700	10 000	0.75	▸ **NU 1015 ML**	M
	130	25	150	156	20.4	5 600	6 000	1.2	▸ **N 215 ECP**	–
	130	25	150	156	20.4	5 600	6 000	1.25	▸ **NU 215 ECP**	J, M, ML, PH
	130	25	150	156	20.4	5 600	6 000	1.3	▸ **NJ 215 ECP**	J, M, ML, PH
	130	25	150	156	20.4	5 600	6 000	1.3	▸ **NUP 215 ECP**	J, M, ML, PH
	130	31	186	208	27	5 600	6 000	1.6	▸ **NJ 2215 ECP**	J, ML, PH
	130	31	186	208	27	5 600	6 000	1.6	▸ **NU 2215 ECP**	J, ML, PH
	130	31	186	208	27	5 600	6 000	1.6	▸ **NUP 2215 ECP**	J, ML, PH
	160	37	280	265	33.5	4 500	5 300	3.3	▸ **N 315 ECP**	M

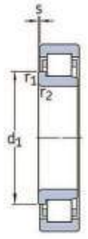
Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 75-85mm



NU

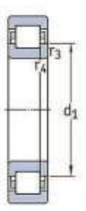


NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
75	160	37	280	265	33.5	4 500	5 300	3.3	▸ **NU 315 ECP**	J, M, ML, PH
	160	37	280	265	33.5	4 500	5 300	3.35	▸ **NJ 315 ECP**	J, M, ML, PH
	160	37	280	265	33.5	4 500	5 300	3.45	▸ **NUP 315 ECP**	J, M, ML, PH
	160	55	380	400	50	4 500	5 300	4.8	▸ **NU 2315 ECP**	J, ML
	160	55	380	400	50	4 500	5 300	5	▸ **NJ 2315 ECP**	J, ML
	160	55	380	400	50	4 500	5 300	5.1	▸ **NUP 2315 ECP**	J, ML
	190	45	264	280	34	4 000	4 800	6.2	**NU 415**	–
	190	45	264	280	34	4 000	4 800	6.4	**NJ 415**	–
80	125	22	64.4	78	9.8	6 300	6 300	0.88	▸ **NU 1016**	–
	125	22	99	127	16.3	6 000	9 500	1.05	**NJ 1016 ECML**	M
	140	26	160	166	21.2	5 300	5 600	1.55	▸ **N 216 ECP**	–
	140	26	160	166	21.2	5 300	5 600	1.55	▸ **NJ 216 ECP**	J, M, ML, PH
	140	26	160	166	21.2	5 300	5 600	1.55	▸ **NU 216 ECP**	J, M, ML, PH
	140	26	160	166	21.2	5 300	5 600	1.55	▸ **NUP 216 ECP**	J, M, ML, PH
	140	33	212	245	31	5 300	5 600	1.95	▸ **NU 2216 ECP**	J, M, ML, PH
	140	33	212	245	31	5 300	5 600	2	▸ **NUP 2216 ECP**	J, M, ML, PH
	140	33	212	245	31	5 300	5 600	2.05	▸ **NJ 2216 ECP**	J, M, ML, PH
	170	39	300	290	36	4 300	5 000	3.85	▸ **NU 316 ECP**	J, M, ML, PH
	170	39	300	290	36	4 300	5 000	3.9	▸ **N 316 ECP**	M
	170	39	300	290	36	4 300	5 000	4	▸ **NJ 316 ECP**	J, M, ML, PH
	170	39	300	290	36	4 300	5 000	4.1	▸ **NUP 316 ECP**	J, M, ML, PH
	170	58	415	440	55	4 300	5 000	5.75	▸ **NU 2316 ECP**	M, ML
	170	58	415	440	55	4 300	5 000	5.95	▸ **NJ 2316 ECP**	M, ML
	170	58	415	440	55	4 300	5 000	6	**NUP 2316 ECP**	M, ML
	200	48	303	320	39	3 800	4 500	7.25	▸ **NU 416**	–
	200	48	303	320	39	3 800	4 500	7.55	**NJ 416**	–
85	130	22	68.2	86.5	10.8	6 000	9 000	1.05	▸ **NU 1017 ML**	–
	130	22	68.2	86.5	10.8	6 000	9 000	1.1	**NJ 1017 ML**	–
	130	22	68.2	86.5	10.8	6 000	9 000	1.1	**NUP 1017 ML**	–
	150	28	190	200	25	4 800	5 300	1.9	▸ **N 217 ECP**	M
	150	28	190	200	25	4 800	5 300	1.9	▸ **NJ 217 ECP**	J, M, ML
	150	28	190	200	25	4 800	5 300	1.9	▸ **NU 217 ECP**	J, M, ML
	150	28	190	200	25	4 800	5 300	1.9	▸ **NUP 217 ECP**	J, M, ML
	150	36	250	280	34.5	4 800	5 300	2.5	▸ **NU 2217 ECP**	J, M, ML, PH
	150	36	250	280	34.5	4 800	5 300	2.55	▸ **NJ 2217 ECP**	J, M, ML, PH



N



NUP

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

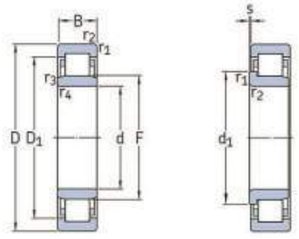
d 85-95mm

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
85	150	36	250	280	34.5	4 800	5 300	2.6	▸ **NUP 2217 ECP**	J, M, ML, PH
	180	41	340	335	41.5	4 000	4 800	4.55	▸ **N 317 ECP**	M
	180	41	340	335	41.5	4 000	4 800	4.65	▸ **NU 317 ECP**	J, M, ML, PH
	180	41	340	335	41.5	4 000	4 800	4.8	▸ **NJ 317 ECP**	J, M, ML, PH
	180	41	340	335	41.5	4 000	4 800	4.9	▸ **NUP 317 ECP**	J, M, ML, PH
	180	60	455	490	60	4 000	4 800	6.85	▸ **NU 2317 ECP**	J, M, ML
	180	60	455	490	60	4 000	4 800	7	▸ **NJ 2317 ECP**	J, M, ML
	180	60	455	490	60	4 000	4 800	7	**NUP 2317 ECP**	J, M, ML
90	140	24	80.9	104	12.7	5 600	8 500	1.35	▸ **NU 1018 ML**	M
	140	24	80.9	104	12.7	5 600	8 500	1.4	**NJ 1018 ML**	M
	160	30	208	220	27	4 500	5 000	2.3	▸ **N 218 ECP**	M
	160	30	208	220	27	4 500	5 000	2.3	▸ **NJ 218 ECP**	J, M, ML
	160	30	208	220	27	4 500	5 000	2.3	▸ **NU 218 ECP**	J, M, ML
	160	30	208	220	27	4 500	5 000	2.45	▸ **NUP 218 ECP**	J, M, ML
	160	40	280	315	39	4 500	5 000	3.15	▸ **NU 2218 ECP**	J, M, ML
	160	40	280	315	39	4 500	5 000	3.25	▸ **NJ 2218 ECP**	J, M, ML
	160	40	280	315	39	4 500	5 000	3.3	▸ **NUP 2218 ECP**	J, M, ML
	190	43	365	360	43	3 800	4 500	5.25	▸ **NU 318 ECP**	J, M, ML
	190	43	365	360	43	3 800	4 500	5.3	▸ **N 318 ECP**	M
	190	43	365	360	43	3 800	4 500	5.45	▸ **NJ 318 ECP**	J, M, ML
	190	43	365	360	43	3 800	4 500	5.55	▸ **NUP 318 ECJ**	M, ML, P
	190	64	500	540	65.5	3 800	4 500	8	▸ **NU 2318 ECP**	J, M, ML
	190	64	500	540	65.5	3 800	4 500	8.15	▸ **NJ 2318 ECP**	J, M, ML
	190	64	500	540	65.5	3 800	4 500	8.25	**NUP 2318 ECP**	J, M, ML
	225	54	380	415	48	3 400	4 000	10	**NU 418**	M
95	145	24	84.2	110	13.2	5 300	8 000	1.45	▸ **NU 1019 ML**	–
	170	32	255	265	32.5	4 300	4 800	2.85	▸ **N 219 ECP**	–
	170	32	255	265	32.5	4 300	4 800	2.85	▸ **NU 219 ECP**	J, M, ML
	170	32	255	265	32.5	4 300	4 800	2.9	▸ **NJ 219 ECP**	J, M, ML
	170	32	255	265	32.5	4 300	4 800	2.9	▸ **NUP 219 ECP**	J, M, ML
	170	43	325	375	45.5	4 300	4 800	3.8	▸ **NU 2219 ECP**	J, ML
	170	43	325	375	45.5	4 300	4 800	3.95	▸ **NJ 2219 ECP**	J, ML
	170	43	325	375	45.5	4 300	4 800	4	**NUP 2219 ECP**	J, ML
	200	45	390	390	46.5	3 600	4 300	6.2	▸ **N 319 ECP**	M

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 95-105mm



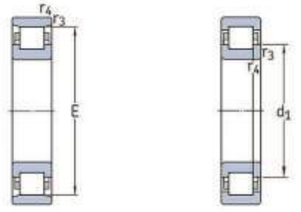
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
95	200	45	390	390	46.5	3 600	4 300	6.2	▸ **NU 319 ECP**	J, M, ML
	200	45	390	390	46.5	3 600	4 300	6.3	▸ **NJ 319 ECP**	J, M, ML
	200	45	390	390	46.5	3 600	4 300	6.3	**NUP 319 ECP**	J, M, ML
	200	67	530	585	69.5	3 600	4 300	9.35	▸ **NU 2319 ECP**	J, ML
	200	67	530	585	69.5	3 600	4 300	9.55	▸ **NJ 2319 ECJ**	ML. P
	200	67	530	585	69.5	3 600	4 300	9.7	▸ **NUP 2319 ECJ**	ML. P
	240	55	413	455	52	3 200	3 600	13.5	**NU 419 M**	–
100	150	24	85.8	114	13.7	5 000	7 500	1.45	▸ **NU 1020 ML**	M
	180	34	285	305	36.5	4 000	4 500	3.35	▸ **NU 220 ECP**	J, M, ML
	180	34	285	305	36.5	4 000	4 500	3.45	▸ **N 220 ECP**	–
	180	34	285	305	36.5	4 000	4 500	3.45	▸ **NJ 220 ECP**	J, M, ML
	180	34	285	305	36.5	4 000	4 500	3.6	▸ **NUP 220 ECP**	J, M, ML
	180	46	380	450	54	4 000	4 500	4.75	▸ **NU 2220 ECP**	J, M, ML, PH
	180	46	380	450	54	4 000	4 500	4.8	▸ **NJ 2220 ECP**	J, M, ML, PH
	180	46	380	450	54	4 000	4 500	4.8	▸ **NUP 2220 ECP**	J, M, ML, PH
	215	47	450	440	51	3 200	3 800	7.35	▸ **N 320 ECP**	M
	215	47	450	440	51	3 200	3 800	7.45	▸ **NU 320 ECP**	J, M, ML
	215	47	450	440	51	3 200	3 800	7.65	▸ **NJ 320 ECJ**	M, ML, P
	215	47	450	440	51	3 200	3 800	7.7	▸ **NUP 320 ECJ**	M, ML, P
	215	73	670	735	85	3 200	3 800	12	▸ **NJ 2320 ECJ**	M, ML, P
	215	73	670	735	85	3 200	3 800	12	▸ **NU 2320 ECP**	J, M, ML
	215	73	670	735	85	3 200	3 800	12.5	▸ **NUP 2320 ECJ**	M, ML, P
	250	58	457	520	58.5	3 000	3 600	15.5	**NU 420 M**	–
105	160	26	101	137	16	4 800	7 500	1.9	▸ **NU 1021 ML**	–
	190	36	300	315	36.5	3 800	4 300	3.9	**N 221 ECP**	–
	190	36	300	315	36.5	3 800	4 300	3.95	▸ **NU 221 ECP**	J, ML
	190	36	300	315	36.5	3 800	4 300	4	▸ **NJ 221 ECP**	J, ML
	190	36	300	315	36.5	3 800	4 300	4.2	**NUP 221 ECP**	J, ML
	225	49	500	500	57	3 200	3 800	8.5	▸ **NU 321 ECP**	J, ML
	225	49	500	500	57	3 200	3 800	8.6	▸ **N 321 ECP**	–
	225	49	500	500	57	3 200	3 800	9.05	**NJ 321 ECP**	J, ML
	260	60	501	570	64	2 800	3 400	17.5	**NU 421 M**	–

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 110-120mm



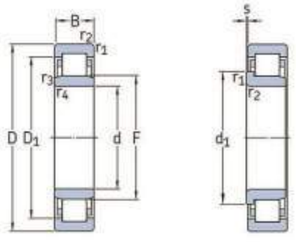
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
110	170	28	128	166	19.3	4 500	7 000	2.3	▸ **NU 1022 ML**	M
	200	38	335	365	42.5	3 600	4 000	4.7	▸ **NU 222 ECP**	J, M, ML
	200	38	335	365	42.5	3 600	4 000	4.8	▸ **N 222 ECP**	M
	200	38	335	365	42.5	3 600	4 000	4.8	▸ **NJ 222 ECP**	J, M, ML
	200	38	335	365	42.5	3 600	4 000	5	▸ **NUP 222 ECP**	J, M, ML
	200	53	440	520	61	3 600	4 000	6.7	▸ **NJ 2222 ECP**	J, ML
	200	53	440	520	61	3 600	4 000	6.7	▸ **NU 2222 ECP**	J, ML
	200	53	440	520	61	3 600	4 000	7	▸ **NUP 2222 ECP**	J, ML
	240	50	530	540	61	3 000	3 400	10	▸ **N 322 ECP**	M
	240	50	530	540	61	3 000	3 400	10.5	▸ **NJ 322 ECJ**	M, ML, P
	240	50	530	540	61	3 000	3 400	10.5	▸ **NU 322 ECP**	J, M, ML
	240	50	530	540	61	3 000	3 400	10.5	**NUP 322 ECP**	J, M, ML
	240	80	780	900	102	3 000	3 400	17	**NJ 2322 ECP**	ML
	240	80	780	900	102	3 000	3 400	17	▸ **NU 2322 ECP**	ML
	240	80	780	900	102	3 000	3 400	17.5	**NUP 2322 ECP**	ML
	280	65	550	630	69.5	2 600	3 200	22.5	**NJ 422 M**	–
120	180	28	134	183	20.8	4 000	6 300	2.55	▸ **NU 1024 ML**	M
	215	40	390	430	49	3 400	3 600	5.75	▸ **N 224 ECP**	M
	215	40	390	430	49	3 400	3 600	5.75	▸ **NU 224 ECP**	J, M, ML
	215	40	390	430	49	3 400	3 600	5.85	▸ **NJ 224 ECP**	J, M, ML
	215	40	390	430	49	3 400	3 600	5.95	▸ **NUP 224 ECJ**	M, ML, P
	215	58	520	630	72	3 400	3 600	8.2	▸ **NU 2224 ECP**	J, M, ML
	215	58	520	630	72	3 400	3 600	8.65	▸ **NJ 2224 ECJ**	M, ML, P
	215	58	520	630	72	3 400	3 600	8.65	**NUP 2224 ECP**	J, M, ML
	260	55	610	620	69.5	2 800	3 200	13	▸ **N 324 ECP**	M
	260	55	610	620	69.5	2 800	3 200	13	▸ **NU 324 ECP**	J, M, ML
	260	55	610	620	69.5	2 800	3 200	13.5	▸ **NJ 324 ECJ**	M, ML, P
	260	55	610	620	69.5	2 800	3 200	14	**NUP 324 ECP**	J, M, ML
	260	86	915	1 040	116	2 800	5 000	22.5	▸ **NU 2324 ECML**	M
	260	86	915	1 040	116	2 800	5 000	23	▸ **NJ 2324 ECML**	M
	260	86	915	1 040	116	2 800	5 000	23.5	**NUP 2324 ECML**	M
	310	72	644	735	78	2 400	2 800	27.5	**NU 424**	M

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 130-150mm



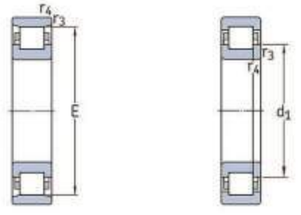
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
130	200	33	165	224	25	3 800	5 600	3.85	▸ **NU 1026 ML**	M
	200	33	165	224	25	3 800	5 600	3.9	**NJ 1026 ML**	M
	230	40	415	455	51	3 200	3 400	6.45	▸ **N 226 ECP**	–
	230	40	415	455	51	3 200	3 400	6.45	▸ **NU 226 ECP**	J, M, ML
	230	40	415	455	51	3 200	3 400	6.5	▸ **NUP 226 ECJ**	M, ML, P
	230	40	415	455	51	3 200	3 400	6.6	▸ **NJ 226 ECP**	J, M, ML
	230	64	610	735	83	3 200	3 400	10	▸ **NU 2226 ECP**	ML
	230	64	610	735	83	3 200	3 400	10.5	**NUP 2226 ECP**	–
	230	64	610	735	83	3 200	5 300	12	▸ **NJ 2226 ECML**	P
	280	58	720	750	81.5	2 400	3 000	16	▸ **NU 326 ECP**	J, M, ML
	280	58	720	750	81.5	2 400	3 000	16.5	▸ **NJ 326 ECJ**	M, ML, P
	280	58	720	750	81.5	2 400	3 000	18	▸ **N 326 ECM**	P
	280	58	720	750	81.5	2 400	3 000	19.5	**NUP 326 ECP**	J, M, ML
	280	93	1 060	1 250	137	2 400	4 500	28.5	▸ **NU 2326 ECML**	PA
	280	93	1 060	1 250	137	2 400	4 500	29.5	▸ **NJ 2326 ECML**	PA
	280	93	1 060	1 250	137	2 400	4 500	29.5	**NUP 2326 ECML**	–
140	210	33	179	255	28	3 600	5 300	4.05	▸ **NU 1028 ML**	M
	250	42	450	510	57	2 800	3 200	8.45	▸ **NUP 228 ECJ**	M, ML
	250	42	450	510	57	2 800	3 200	8.6	▸ **NJ 228 ECJ**	M, ML
	250	42	450	510	57	2 800	3 200	9.4	▸ **NU 228 ECM**	J, ML
	250	68	655	830	93	2 800	4 800	15	▸ **NU 2228 ECML**	PA
	250	68	655	830	93	2 800	4 800	15.5	▸ **NJ 2228 ECML**	PA
	250	68	655	830	93	2 800	4 800	15.5	**NUP 2228 ECML**	–
	300	62	780	830	88	2 400	2 800	20	▸ **NJ 328 ECJ**	M, ML
	300	62	780	830	88	2 400	2 800	22.5	▸ **NU 328 ECM**	J, ML
	300	62	780	830	88	2 400	2 800	23.5	**NUP 328 ECM**	–
	300	102	1 200	1 430	150	2 400	4 300	36	▸ **NU 2328 ECML**	–
	300	102	1 200	1 430	150	2 400	4 300	36.5	▸ **NJ 2328 ECML**	–
	300	102	1 200	1 430	150	2 400	4 300	37	**NUP 2328 ECML**	–
150	225	35	198	290	31.5	3 200	5 000	4.9	▸ **NU 1030 ML**	M
	270	45	510	600	64	2 600	2 800	10.5	▸ **NUP 230 ECJ**	M, ML
	270	45	510	600	64	2 600	2 800	11.5	▸ **NU 230 ECM**	J, ML

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 150-180mm



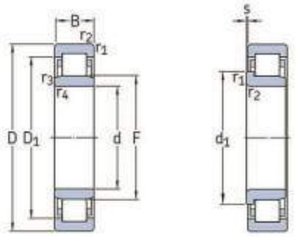
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
150	270	45	510	600	64	2 600	2 800	12	▸ **NJ 230 ECM**	J, ML
	270	73	735	930	100	2 600	2 800	18.5	▸ **NU 2230 ECM**	ML
	270	73	735	930	100	2 600	2 800	19	**NJ 2230 ECM**	ML
	320	65	900	965	100	2 200	2 600	26.5	▸ **NU 330 ECM**	ML
	320	65	900	965	100	2 200	4 000	26.5	**NJ 330 ECML**	M
	320	108	1 370	1 630	170	2 200	4 000	42.5	▸ **NU 2330 ECML**	–
	320	108	1 370	1 630	170	2 200	4 000	43	▸ **NJ 2330 ECML**	–
160	240	38	229	325	35.5	3 000	4 800	6	▸ **NU 1032 ML**	M
	290	48	585	680	72	2 400	2 600	14	▸ **NU 232 ECM**	ML
	290	48	585	680	72	2 400	2 600	15.5	**NUP 232 ECM**	–
	290	48	585	680	72	2 400	4 000	14.5	▸ **NJ 232 ECML**	M
	290	80	930	1 200	129	2 400	4 000	23	▸ **NU 2232 ECML**	M
	290	80	930	1 200	129	2 400	4 000	23.5	**NJ 2232 ECML**	M
	340	68	1 000	1 080	112	2 000	3 600	31	▸ **NJ 332 ECML**	M
	340	68	1 000	1 080	112	2 000	3 600	31	▸ **NU 332 ECML**	M
	340	114	1 250	1 730	173	1 800	3 600	50	**NU 2332 ECML**	–
	340	114	1 250	1 730	173	1 800	3 600	50.5	▸ **NJ 2332 ECML**	–
170	260	42	275	400	41.5	2 800	4 300	8	▸ **NU 1034 ML**	M
	260	42	275	400	41.5	2 800	4 300	8.2	**NJ 1034 ML**	M
	310	52	695	815	85	2 200	3 800	17.5	▸ **NJ 234 ECML**	M
	310	52	695	815	85	2 200	3 800	17.5	▸ **NU 234 ECML**	M
	310	86	1 060	1 340	140	2 200	3 800	28	▸ **NU 2234 ECML**	–
	310	86	1 060	1 340	140	2 200	3 800	29	**NJ 2234 ECML**	–
	360	72	952	1 180	116	1 700	2 200	33	▸ **NU 334 ECM**	–
	360	120	1 450	2 040	204	1 700	3 400	60.5	**NJ 2334 ECML**	–
	360	120	1 450	2 040	204	1 700	3 400	60.5	▸ **NU 2334 ECML**	–
180	280	46	336	475	51	2 600	4 000	10.5	**NJ 1036 ML**	M
	280	46	336	475	51	2 600	4 000	10.5	▸ **NU 1036 ML**	M
	320	52	720	850	88	2 200	3 600	18.5	▸ **NJ 236 ECML**	M
	320	52	720	850	88	2 200	3 600	18.5	▸ **NU 236 ECML**	M
	320	86	1 100	1 430	146	2 200	3 600	30	**NJ 2236 ECML**	M
	320	86	1 100	1 430	146	2 200	3 600	30	▸ **NU 2236 ECML**	M

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 180-220mm



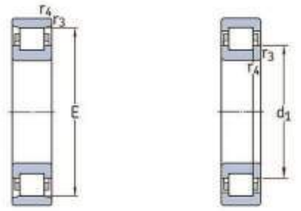
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u				–	
mm			kN		kN	r/min		kg	–	
180	380	75	1 020	1 290	125	1 600	2 200	42.5	▸ **NU 336 ECM**	–
	380	75	1 020	1 290	125	1 600	2 200	44	**NJ 336 ECM**	–
	380	126	1 610	2 240	216	1 600	3 200	69.5	**NU 2336 ECML**	–
	380	126	1 610	2 240	216	1 600	3 200	70.5	**NJ 2336 ECML**	–
190	290	46	347	500	53	2 600	3 800	11	**NJ 1038 ML**	M
	290	46	347	500	53	2 600	3 800	11	▸ **NU 1038 ML**	M
	340	55	800	965	98	2 000	3 400	22	▸ **NJ 238 ECML**	M
	340	55	800	965	98	2 000	3 400	22.5	▸ **NU 238 ECML**	M
	340	55	800	965	98	2 000	3 400	22.5	**NUP 238 ECML**	M
	340	92	1 220	1 600	160	2 000	3 400	35.5	▸ **NU 2238 ECML**	M
	340	92	1 220	1 600	160	2 000	3 400	37	**NJ 2238 ECML**	M
	400	78	1 140	1 500	143	1 500	2 000	50	▸ **NU 338 ECM**	–
	400	132	1 830	2 550	236	1 500	3 000	80.5	**NU 2338 ECML**	–
	400	132	1 830	2 550	236	1 500	3 000	82	**NJ 2338 ECML**	–
200	310	51	380	570	58.5	2 400	3 600	14	▸ **NU 1040 ML**	M
	360	58	880	1 060	106	1 900	3 200	26.5	▸ **NU 240 ECML**	M
	360	58	880	1 060	106	1 900	3 200	27	▸ **NJ 240 ECML**	M
	360	98	1 370	1 800	180	1 900	3 200	44	**NJ 2240 ECML**	–
	360	98	1 370	1 800	180	1 900	3 200	44	▸ **NU 2240 ECML**	–
	420	80	1 230	1 630	150	1 400	2 800	56.5	**NJ 340 ECML**	–
	420	80	1 230	1 630	150	1 400	2 800	57	**NU 340 ECML**	–
	420	138	1 980	2 800	255	1 400	2 800	92.5	**NU 2340 ECML**	–
	420	138	1 980	2 800	255	1 400	2 800	94	**NJ 2340 ECML**	–
220	340	56	495	735	73.5	2 200	3 200	18.5	**NJ 1044 ML**	M
	340	56	495	735	73.5	2 200	3 200	18.5	▸ **NU 1044 ML**	-
	400	65	1 060	1 290	125	1 700	3 000	37	▸ **NJ 244 ECML**	M
	400	65	1 060	1 290	125	1 700	3 000	37	▸ **NU 244 ECML**	M
	400	65	1 060	1 290	125	1 700	3 000	37.5	**NUP 244 ECML**	M
	400	108	1 570	2 280	212	1 600	3 000	58	▸ **NU 2244 ECML**	–
	400	108	1 570	2 280	212	1 600	3 000	60	**NJ 2244 ECML**	–
	460	88	1 210	1 630	150	1 500	1 700	73.5	**NJ 344 M**	–
	460	88	1 210	1 630	150	1 500	1 700	75	▸ **NU 344 M**	–
	460	145	2 380	3 450	310	1 300	2 600	118	▸ **NU 2344 ECML**	–

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 240-300mm



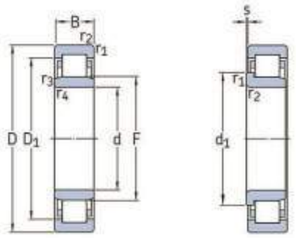
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u				–	
mm			kN		kN	r/min		kg	–	
240	360	56	523	800	78	2 000	3 000	19.5	▸ **NU 1048 ML**	M
	440	72	952	1 370	129	1 600	2 200	51.5	▸ **NU 248 MA**	–
	440	72	952	1 370	129	1 600	2 200	53	▸ **NJ 248 MA**	–
	440	72	952	1 370	129	1 600	2 200	53	**NUP 248 MA**	–
	440	120	1 450	2 360	216	1 500	2 200	84	▸ **NU 2248 MA**	–
	440	120	1 450	2 360	224	1 500	2 200	86	▸ **NJ 2248 MA**	–
	500	95	1 450	2 000	180	1 300	2 000	94.5	**NU 348 MA**	–
	500	95	1 450	2 000	180	1 300	2 000	98.5	**NJ 348 MA**	–
	500	155	2 750	4 000	345	1 200	2 400	137	▸ **NU 2348 ECML**	–
260	400	65	627	965	96.5	1 800	2 800	29.5	▸ **NU 1052 ML**	M
	400	65	627	965	96.5	1 800	2 800	30	**NJ 1052 ML**	M
	480	80	1 170	1 700	150	1 400	2 000	68.5	▸ **NU 252 MA**	–
	480	80	1 170	1 700	150	1 400	2 000	69	▸ **NJ 252 MA**	–
	480	80	1 170	1 700	150	1 400	2 000	72	**NUP 252 MA**	–
	480	130	1 790	3 000	265	1 300	2 000	112	**NJ 2252 MA**	–
	480	130	1 790	3 000	265	1 400	2 000	110	▸ **NU 2252 MA**	–
	540	102	1 940	2 700	236	1 100	1 800	121	**NU 352 ECMA**	–
	540	165	3 140	4 550	400	1 100	1 900	196	**NJ 2352 ECMA**	–
	540	165	3 190	4 550	400	1 100	1 800	193	**NU 2352 ECMA**	–
280	420	65	660	1 060	102	1 700	2 600	31	▸ **NU 1056 ML**	M
	460	146	2 290	3 900	335	1 200	2 000	101	**NU 3156 ECMA**	–
	500	80	1 140	1 800	156	1 400	1 900	73	**NJ 256 MA**	–
	500	80	1 190	1 800	156	1 400	1 900	71.5	▸ **NU 256 MA**	–
	500	130	2 330	3 750	320	1 200	2 200	115	▸ **NU 2256 ECML**	–
	580	175	2 700	4 300	365	1 000	1 700	230	**NU 2356 MA**	–
300	460	74	858	1 370	129	1 500	2 000	46	**NJ 1060 MA**	–
	460	74	858	1 370	129	1 500	2 000	46	▸ **NU 1060 MA**	–
	460	95	1 510	2 600	245	1 300	2 000	62	**NU 2060 ECMA**	–
	540	85	1 420	2 120	183	1 300	1 400	89.5	▸ **NU 260 M**	–
	540	140	2 090	3 450	300	1 200	1 800	145	**NU 2260 MA**	–
	620	109	2 330	3 350	280	950	1 200	174	**NU 360 ECM**	–
	620	185	4 020	5 850	480	950	1 600	270	**NU 2360 ECMA**	–

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 320-400mm



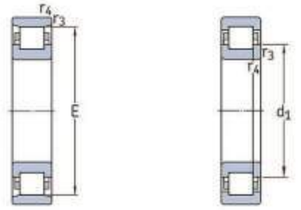
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
320	440	56	693	1 200	110	1 500	2 000	26	NU 1964 ECMA	–
	480	74	880	1 430	132	1 400	1 400	48	▸ NJ 1064 MA	–
	480	74	880	1 430	132	1 400	1 400	48.5	▸ NU 1064 MA	–
	580	92	1 830	2 750	232	1 000	1 200	115	NU 264 ECM	–
	580	150	3 190	5 000	415	1 000	1 900	176	NU 2264 ECML	–
	670	200	4 730	7 500	600	850	1 500	370	NU 2364 ECMA	–
340	460	56	682	1 200	108	1 400	1 900	27.5	NU 1968 ECMA	–
	460	72	1 020	2 040	186	1 400	1 900	37	NJ 2968 ECMA	–
	520	133	2 200	4 150	365	1 100	1 700	109	NU 3068 MA	–
	580	190	3 470	5 850	490	950	1 600	217	NU 3168 ECMA	–
	620	165	2 640	4 500	365	1 000	1 500	226	▸ NU 2268 MA	–
	710	212	5 610	8 650	680	800	1 400	439	NU 2368 ECMA	–
360	480	56	781	1 460	129	1 400	2 000	29	NU 1972 ECMP	–
	540	82	1 100	1 830	163	1 300	1 600	67.5	▸ NU 1072 MA	–
	600	192	3 410	6 100	490	900	1 500	226	NU 3172 ECMA	–
	650	170	2 920	4 900	400	950	1 400	257	NU 2272 MA	–
	750	224	5 010	8 150	630	850	1 300	510	NU 2372 ECMA	–
380	480	46	561	1 120	98	1 300	2 000	20	NU 1876 ECMP	–
	480	46	561	1 120	98	1 300	2 000	21	NJ 1876 ECMP	–
	560	82	1 140	1 930	170	1 200	1 600	70	▸ NU 1076 MA	–
	560	82	1 140	1 930	170	1 200	1 600	71	▸ NJ 1076 MA	–
	560	135	2 380	4 750	400	1 000	1 800	109	NU 3076 ECMP	–
	680	175	3 960	6 400	510	850	1 300	288	NU 2276 ECMA	–
400	500	46	572	1 180	100	1 300	1 900	21.5	NU 1880 MP	–
	500	46	572	1 180	96.5	1 300	1 900	22	NJ 1880 MP	–
	500	46	572	1 180	96.5	1 300	1 900	22.5	NUP 1880 MP	–
	540	82	1 380	2 800	245	1 200	1 600	57	NJ 2980 ECMA	–
	540	106	1 760	3 750	320	1 000	1 500	74.5	NU 3980 ECMA	–
	600	90	1 380	2 320	196	1 100	1 500	90	▸ NU 1080 MA	–
	600	90	1 380	2 320	196	1 100	1 500	93	NJ 1080 MA	–

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 420-530mm



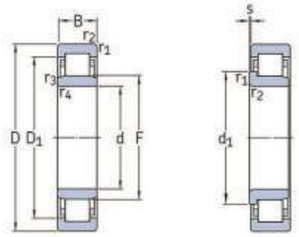
N NUP

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
420	520	46	572	1 200	102	1 200	1 800	22	NU 1884 MP	–
	560	82	1 400	2 850	255	1 100	1 500	60	NU 2984 ECMA	–
	560	106	1 680	3 650	310	950	1 500	79.5	NUP 3984 ECMA	–
	620	90	1 420	2 450	200	1 100	1 400	94	NU 1084 MA	–
	700	224	4 950	9 000	695	750	1 300	365	NU 3184 ECMA	–
440	600	74	1 060	2 000	170	1 100	1 400	53	NU 1988 MA	–
	600	95	1 870	3 900	340	1 100	1 600	81	▸ NU 2988 ECML	–
	600	95	1 870	3 900	340	1 100	1 600	83	NJ 2988 ECML	–
	650	122	2 550	4 900	390	8 500	1 300	145	NU 2088 ECMA	–
	720	226	5 120	10 000	765	700	1 200	388	NU 3188 ECMA/HB1	–
460	580	72	1 080	2 400	193	1 100	1 400	48	NJ 2892 ECMA	–
	620	95	1 720	3 600	310	1 000	1 300	89	NJ 2992 ECMA	–
	620	118	2 050	4 550	375	850	1 300	112	NUP 3992 ECMA	–
	680	100	1 650	2 850	224	950	1 200	115	NU 1092 MA	–
	760	240	5 280	9 650	735	670	1 100	450	NU 3192 ECMA/HB1	–
	830	165	4 180	6 800	510	750	1 100	415	NU 1292 MA	–
	830	212	5 120	8 650	655	700	1 100	527	▸ NU 2292 MA	–
480	650	78	1 170	2 240	183	950	1 300	76	NU 1996 MA	–
	700	100	1 680	3 000	232	900	1 200	130	NU 1096 MA	–
	700	128	2 860	5 600	430	750	1 200	179	NU 2096 ECMA	–
	790	248	5 940	10 800	800	630	1 100	507	NU 3196 ECMA/HB1	–
500	670	100	2 050	4 250	355	900	1 200	107	NU 29/500 ECMA	–
	720	100	1 720	3 100	236	900	1 100	135	▸ NU 10/500 MA	–
	720	128	2 920	5 850	440	750	1 100	180	NU 20/500 ECMA	–
	720	167	3 800	7 350	560	750	1 100	233	NU 30/500 ECMA	–
	830	264	6 440	12 000	880	600	1 000	595	NU 31/500 ECMA/HB1	–
	920	185	5 280	8 500	620	670	950	575	NU 12/500 MA	–
530	710	106	2 380	5 000	390	850	1 100	130	NUP 29/530 ECMA	–
	780	112	2 290	4 050	305	800	1 000	190	NU 10/530 MA	–
	780	145	3 740	7 350	550	670	1 000	253	NU 20/530 ECMA	–
	870	272	7 480	14 600	1 040	560	950	660	NU 31/530 ECMA/HB1	–

Single row cylindrical roller bearing

EINREIHIGES ZYLINDRISCHES ROLLENLAGER

d 560-1000mm



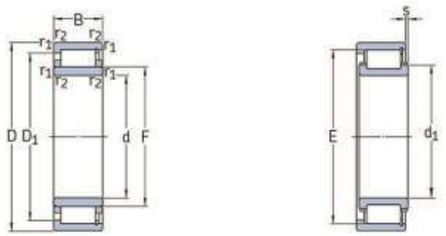
NU NJ

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model	Alternative cage
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
560	750	112	2 460	5 700	450	800	1 000	145	**NU 29/560 ECMA**	–
	820	115	2 330	4 250	310	750	1 000	210	**NU 10/560 MA**	–
	820	150	3 800	7 650	560	630	1 000	290	**NU 20/560 ECMA**	–
	1 030	206	7 210	11 200	780	560	800	805	**NU 12/560 MA**	–
	1 030	272	9 900	16 600	1 160	530	800	1 090	**NU 22/560 ECMA**	–
600	730	60	897	2 080	108	800	1 000	54	**NU 18/600 ECMA/HB1**	–
	870	118	2 750	5 100	365	700	900	240	**NU 10/600 MA**	–
	870	155	4 180	8 000	570	600	900	325	**NU 20/600 ECMA**	–
630	780	69	1 100	2 500	183	750	950	75	**NJ 18/630 ECMA/HB1**	–
	850	100	2 240	4 400	315	700	900	168	**NU 19/630 ECMA/HB1**	–
	850	128	3 300	7 200	510	700	900	224	**NU 29/630 ECMA/HB1**	–
	850	128	3 300	7 200	510	700	900	230	**NJ 29/630 ECMA/HB1**	–
	920	170	4 730	9 500	670	560	850	400	**NU 20/630 ECMA**	–
710	870	95	1 940	5 000	375	630	850	130	**NJ 28/710 ECMA**	–
	950	140	3 740	8 300	570	600	800	297	**NU 29/710 ECMA**	–
	1 030	140	4 680	8 500	570	560	750	415	**NU 10/710 ECMA**	–
	1 030	185	5 940	12 000	815	480	700	540	**NU 20/710 ECMA/HB1**	–
750	1 090	150	4 730	8 800	585	430	670	487	**NU 10/750 ECMA/HB1**	–
	1 090	195	7 040	14 600	980	430	670	635	**NU 20/750 ECMA**	–
800	980	82	1 720	4 150	190	530	700	137	**NU 18/800 ECMA**	–
	1 150	200	7 040	14 600	950	400	630	715	**NU 20/800 ECMA**	–
850	1 030	106	2 120	6 000	240	500	670	193	**NU 28/850 MA**	–
	1 220	212	8 420	18 600	1 200	360	560	880	**NU 20/850 ECMA**	–
900	1 090	85	1 980	4 900	240	450	600	169	**NU 18/900 ECMA**	–
	1 180	165	5 280	12 500	800	430	560	514	**NU 29/900 ECMA/HB1**	–
1 000	1 220	100	2 640	6 550	400	400	530	265	**NU 18/1000 MA/HB1**	–
	1 220	100	2 640	6 550	400	400	530	269	**NUP 18/1000 MA/HB1**	–

High load capacity cylindrical roller bearing

ZYLINDRISCHES ROLLENLAGER MIT HOHER BELASTBARKEIT

d 100-170mm



NUH ..ECMH NCF ..ECJB

Dimensions(mm)			Rated load		load limit	rated speed	Maximum speed	weight	Bearing model
d	D	B	C	C_0	P_u				
mm			kN		kN	r/min		kg	–
100	180	46	400	475	57	4 000	4 500	5.1	**NUH 2220 ECMH**
	215	73	710	800	91.5	3 200	3 800	13	**NUH 2320 ECMH**
110	200	53	465	550	64	3 600	4 000	7.3	**NUH 2222 ECMH**
	240	80	830	965	110	3 000	3 400	18	**NUH 2322 ECMH**
120	215	58	550	670	76.5	3 400	3 600	9	**NUH 2224 ECMH**
	260	86	965	1 120	125	2 800	3 200	22.5	**NUH 2324 ECMH**
130	230	64	630	780	88	3 200	3 400	11	**NUH 2226 ECMH**
	280	93	1 120	1 340	146	2 400	3 000	28	**NUH 2326 ECMH**
	280	93	1 120	1 340	146	2 400	3 400	29	**NCF 2326 ECJB**
140	250	68	680	880	96.5	2 800	3 200	14.5	**NUH 2228 ECMH**
	250	68	680	880	96.5	2 800	3 600	14.5	**NCF 2228 ECJB**
	300	102	1 250	1 530	163	2 400	2 800	35	**NUH 2328 ECMH**
	300	102	1 250	1 530	163	2 400	3 200	35.5	**NCF 2328 ECJB**
150	270	73	780	1 040	112	2 600	2 800	18	**NUH 2230 ECMH**
	270	73	780	1 040	112	2 600	3 400	18	**NCF 2230 ECJB**
	320	108	1 430	1 760	183	2 200	2 600	42	**NUH 2330 ECMH**
	320	108	1 430	1 760	183	2 200	3 000	43.5	**NCF 2330 ECJB**
160	290	80	980	1 270	134	2 400	2 600	23	**NUH 2232 ECMH**
	290	80	980	1 270	134	2 400	3 000	23.5	**NCF 2232 ECJB**
	340	114	1 400	2 000	196	1 800	2 400	50.5	**NUH 2332 ECMH**
	340	114	1 400	2 000	196	1 800	2 800	50.5	**NCF 2332 ECJB**
	340	114	1 600	2 000	196	2 000	2 800	50.5	**NCF 2332 ECJB/PEX**
	340	114	1 600	2 000	196	2 000	2 400	50.5	**NUH 2332 ECMH/PEX**
170	310	86	1 600	1 530	156	2 200	2 400	28.5	**NUH 2234 ECMH**
	310	86	1 160	1 530	156	2 200	2 800	28	**NCF 2234 ECJB**
	360	120	1 540	2 200	216	1 700	2 200	59.5	**NUH 2334 ECMH**
	360	120	1 540	2 200	216	1 700	2 600	58.5	**NCF 2334 ECJB**
	360	120	1 760	2 200	216	1 900	2 600	58.5	**NCF 2334 ECJB/PEX**
	360	120	1 760	2 200	216	1 900	2 200	59.5	**NUH 2334 ECMH/PEX**

Radial clearance of cylindrical roller bearings

RADIALFREIHEIT VON ZYLINDRISCHEN ROLLENLAGERN

Radial clearance of cylindrical roller bearings (cylindrical hole)											
diameter d mm		C2		C0		C3		C4		C5	
exceed	to	min	max	min	max	min	max	min	max	min	max
	10	0	25	20	45	35	60	50	75		
10	24	0	25	20	45	35	60	50	75	65	90
24	30	0	25	20	45	35	60	50	75	70	95
30	40	5	30	25	50	45	70	60	85	80	105
40	50	5	35	30	60	50	80	70	100	95	125
50	60	10	40	40	70	60	90	80	110	110	140
65	80	10	45	40	75	65	100	90	125	130	165
80	100	15	50	50	85	75	110	105	140	155	190
100	120	15	55	50	90	85	125	125	165	180	220
120	140	15	60	60	105	100	145	145	190	200	245
140	160	20	70	70	120	115	165	165	215	225	275
160	180	25	75	75	125	120	170	170	220	250	300
180	200	35	90	90	145	140	195	195	250	275	330
200	225	45	105	105	165	160	220	220	280	305	365
225	250	45	110	110	175	170	235	235	300	330	395
250	280	55	125	125	195	190	260	260	330	375	440
280	315	55	130	130	205	200	275	275	350	410	485
315	355	65	145	145	225	225	305	305	385	455	535
355	400	100	190	190	280	280	370	370	460	510	600
400	450	110	210	210	310	310	410	410	510	565	665
450	500	110	220	220	330	330	440	440	550	625	735

Radial clearance (cylindrical hole) of four column cylindrical roller bearings											
diameter d mm		C2		C0		C3		C4		C5	
exceed	to	min	max	min	max	min	max	min	max	min	max
80	100	15	50	50	85	75	110	105	140	155	190
100	120	15	55	50	90	85	125	125	165	180	220
120	140	15	60	60	105	100	145	145	190	200	245
140	160	20	70	70	120	115	165	165	215	225	275
160	180	25	75	75	125	120	170	170	220	250	300
180	200	35	90	90	145	140	195	195	250	275	330
200	225	45	105	105	165	160	220	220	280	305	365
225	250	45	110	110	175	170	235	235	300	330	395
250	280	55	125	125	195	190	260	260	330	370	440
280	315	55	130	130	205	200	275	275	350	410	485
315	355	65	145	145	225	225	305	305	385	455	535
355	400	100	190	190	280	280	370	370	460	510	600
400	450	110	210	210	310	310	410	410	510	565	665
450	500	110	220	220	330	330	440	440	550	625	735
500	560	120	240	240	360	360	480	480	600		
560	630	140	260	260	380	380	500	500	620		
630	710	145	285	285	425	425	565	565	705		
740	800	150	310	310	470	470	630	630	790		
800	900	180	350	350	520	520	690	690	860		
900	1000	200	390	390	580	580	770	770	960		
1000	1120	220	430	430	640	640	850	850	1060		
1120	1250	230	170	470	710	710	950	950	1190		
1250	1400	270	530	530	790	790	1050	1050	1310		

Vibration and noise of cylindrical roller bearings

VIBRATIONEN UND GERÄUSCHE VON ZYLINDRISCHEN ROLLENLAGERN

The vibration and noise of bearings are divided into three levels, denoted as Z1, Z2, and Z3. The SO910-1 instrument is used for measurement. When there are special requirements, BVT-1 can be used for detection, denoted as V1, V2, and V3. The relevant data are shown in the table below. Customers should specify the vibration and noise requirements when placing an order.

Die Vibration und das Geräusch der Lager sind in drei Ebenen unterteilt, die als Z1, Z2 und Z3 bezeichnet sind. Das SO910-1 Instrument wird zur Messung verwendet. Bei besonderen Anforderungen kann BVT-1 zur Detektion verwendet werden, die als V1, V2 und V3 bezeichnet ist. Die relevanten Daten sind in der folgenden Tabelle dargestellt. Kunden sollten bei der Bestellung die Vibrations- und Lärmanforderungen festlegen.

Single bearing vibration acceleration level (dB) (≤)											
diameter(mm)	Diameter series (0)			Diameter series (2)				Diameter series (3)			
	Z	Z1	Z2	Z	Z1	Z2	Z3	Z	Z1	Z2	Z3
65	49	48	46	50	49	47	42	51	50	48	43
70	50	49	47	51	50	48	43	52	51	49	44
75	51	50	48	52	51	49	44	53	52	50	45
80	52	51	49	53	52	50	45	54	53	51	46
85	53	52	50	54	53	51	46	56	55	52	47
90	54	53	52	56	55	53	48	58	57	54	49
95	56	55	54	58	57	55	50	60	59	56	51
100	58	57	56	60	59	57	52	62	61	58	53
105	60	59	58	62	61	59	54	64	63	60	55
110	62	61	60	64	63	61	56	66	65	62	57
120	64	63	62	66	65	63	58	68	67	64	59

Single bearing vibration (speed) limit μ m/s															
diameter (mm)	V"			V1			V2			V3			V4		
	low	Chinese	high	low	Chinese	high	low	Chinese	high	low	Chinese	high	low	Chinese	high
65	300	260	420	180	160	240	130	100	105	80	105	150	50	50	75
70	360	310	460	200	180	280	150	120	110	90	135	200	58	58	88
75	360	310	460	200	180	280	150	120	110	90	135	200	58	58	88
80	420	360	540	240	210	320	180	120	130	110	160	140	65	65	100
85	420	360	540	240	210	320	180	150	130	110	160	140	65	65	100
90	480	420	600	290	250	370	210	180	145	125	180	270	75	75	115
95	480	420	600	290	250	370	210	180	145	125	180	270	75	75	115
100	560	490	670	340	300	420	250	215	170	145	200	310	88	88	135
105	560	490	670	340	300	420	250	215	170	145	200	310	88	88	135
110	640	570	750	400	350	480	290	260	190	175	225	350	100	100	160
120	640	570	750	400	350	480	290	260	190	175	225	350	100	100	160

SDVV®

Spherical Roller Bearings

Kugelrollenlager

Self aligning roller bearings have double row rollers, with one shared spherical raceway on the outer ring and two raceways on the inner ring that are tilted at an angle relative to the bearing axis. This ingenious structure enables it to have automatic centering performance, making it less susceptible to errors or shaft bending caused by the angle between the shaft and the bearing housing. It is suitable for situations where installation errors or shaft bending cause angle errors. This bearing can not only withstand radial loads, but also axial loads acting in both directions.

Selbstausrichtende Rollenlager weisen Doppelreihenrollen auf, mit einer gemeinsamen kugelförmigen Laufbahn am Außenring und zwei Laufbahnen am Innenring, die in einem Winkel gegenüber der Lagerachse geneigt sind. Diese geniale Struktur ermöglicht es, eine automatische Zentrierleistung zu haben, was es weniger anfällig für Fehler oder Wellenbiegen macht, die durch den Winkel zwischen der Welle und dem Lagergehäuse verursacht werden. Es eignet sich für Situationen, in denen Installationsfehler oder Wellenbiegen Winkelfehler verursachen. Dieses Lager kann nicht nur radialen Belastungen standhalten, sondern auch in beiden Richtungen wirkenden axialen Belastungen.

Spherical Roller Bearings
Kugelrollenlager



Applicable fields

Mining machinery	Printing machine
Papermaking machinery	Vibrating screen
Deceleration device	
Gear box	
Crusher	

INTRODUCTION TO SPHERICAL ROLLER BEARINGS

Einführung in Kugelrollenlager



Code: CA

This product adopts a machined integrated retainer, with no middle edge on the inner ring and a small edge on the end face. The rollers are symmetrical, low noise, and have a certain degree of self-lubricating function.

Dieses Produkt nimmt einen bearbeiteten integrierten Halter an, ohne mittlere Kante am Innenring und eine kleine Kante an der Stirnseite. Die Rollen sind symmetrisch, geräuscharm und haben eine gewisse Selbstschmierfunktion.



Code: CC

This product adopts a stamped steel plate cage, and the end face also has no ribs. The inner ring of this series of bearings has no middle ribs. A movable middle spacer is designed between the cage split roller and the roller, which effectively reduces internal friction of the bearing and assists the rolling element in entering the load zone correctly. At the same time, it also increases the limit speed of the bearing

Dieses Produkt nimmt einen gestempelten Stahlplattenkäfig an, und die Endfläche hat auch keine Rippen. Der Innenring dieser Lagerserie hat keine mittleren Rippen. Zwischen der Käfigspaltwalze und der Rolle ist ein beweglicher mittlerer Abstandshalter ausgebildet, der die innere Reibung des Lagers effektiv reduziert und das Rollelement beim richtigen Eintritt in die Lastzone unterstützt. Gleichzeitig erhöht es auch die Grenzgeschwindigkeit des Lagers



Code: MA

This product adopts a machined brass retainer, which is a brass solid retainer with an inner ring with an overall center edge and an outer ring guide. It is mainly used for vibrating screens and other equipment.

Dieses Produkt nimmt einen bearbeiteten Messinghalter an, der ein Messingfester Halter mit einem Innenring mit einer gesamten Mittelkante und einer Außenringführung ist. Es wird hauptsächlich für vibrierende Bildschirme und andere Geräte verwendet.



Code: MB

This product uses machined brass, split retainers, and an inner ring with an overall center edge, guided by the inner ring; This product remains extremely tough and durable under heavy loads, impact loads, vibrations, and other working conditions.

Dieses Produkt verwendet bearbeitetes Messing, gespaltene Halterungen und einen Innenring mit einer gesamten Mittelkante, die vom Innenring geführt wird; Dieses Produkt bleibt extrem robust und langlebig unter schweren Belastungen, Schlagbelastungen, Vibrationen und anderen Arbeitsbedingungen.



Code: E1

This product adopts high-strength steel plate E1 type cage, with two frames separated by a guide ring inside the outer ring. The number, length, and diameter of rollers are the maximum values allowed by the structure. The close contact between the rollers and the raceway ensures uniform pressure distribution, making the bearing have high bearing capacity.

Dieses Produkt nimmt hohe Festigkeit Stahlplatte E1 Typ Käfig, mit zwei Rahmen getrennt durch einen Führungsring im Außenring. Die Anzahl, Länge und Durchmesser der Rollen sind die maximalen Werte, die durch die Struktur erlaubt werden. Der enge Kontakt zwischen den Rollen und der Laufbahn gewährleistet eine gleichmäßige Druckverteilung, wodurch das Lager eine hohe Tragfähigkeit aufweist.



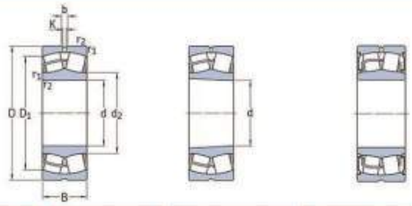
Code: CCJA

This product uses high-strength steel plates and a specially treated cage on the surface. As the size of the rollers increases, the quantity also increases, effectively improving the product's rotational speed and service life.

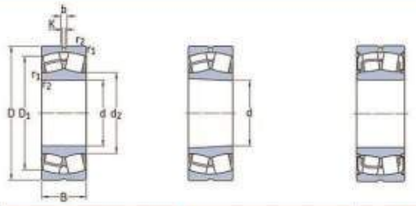
Dieses Produkt verwendet hochfeste Stahlplatten und einen speziell behandelten Käfig auf der Oberfläche. Mit zunehmender Größe der Rollen steigt auch die Menge, was die Drehzahl und die Lebensdauer des Produkts effektiv verbessert.

Spherical Roller Bearings

KUGELROLLENLAGER



New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
23020CA	3053120	100X150X37	2.51	215	400	2400
23022CA	3053122	110X170X45	3.54	253	460	263
23024CA	3053124	120X180X46	4.19	263	495	2000
23026CA	3053126	130X200X52	7.04	340	350	1900
23028CA	3053128	140X210X53	6.7	365	705	1800
23030CA	3053130	150X225X56	7.44	400	795	1700
23032CA	3053132	160X240X60	8.86	445	875	1700
23034CA	3053134	170X260X67	14.2	555	1090	1600
23036CA	3053136	180X280X74	17.7	630	1280	1400
23038CA	3053138	190X290X75	16.9	700	1450	1300
23040CA	3053140	200X310X82	22.6	770	1560	1200
23044CA	3053144	220X340X90	32	935	1900	1100
23048CA	3053148	240X360X92	32.6	985	2080	1000
23052CA	3053152	260X400X104	49.8	1230	2550	900
23056CA	3053156	280X420X106	54.9	1320	2850	850
23060CA	3053160	300X460X118	73	1610	3450	800
23064CA	3053164	320X480X121	78	1960	3800	800
23068CA	3053168	340X520X133	108	1980	4400	700
23072CA	3053172	360X540X134	114	2280	4800	670
23076CA	3053176	380X560X135	118	2480	5000	630
23080CA	3053180	400X600X148	165	2540	5900	600
23084CA	3053184	420X620X150	175	2700	6400	450
23088CA	3053188	440X650X157	192	2780	6500	430
23092CA	3053192	460X680X163	223	3450	6950	400
23096CA	3053196	480X700X165	231	3340	6800	380
230/500CA	30531/500	500X720X167	236	3680	7800	380
230/530CA	30531/530	530X780X185	310	4370	9300	340
230/560CA	30531/560	560X820X195	355	4890	10200	320
230/600CA	30531/600	600X870X200	405	5230	11400	300
230/630CA	30531/630	630X920X212	485	5750	12500	260



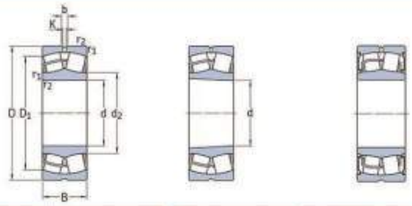
Spherical Roller Bearings

KUGELROLLENLAGER

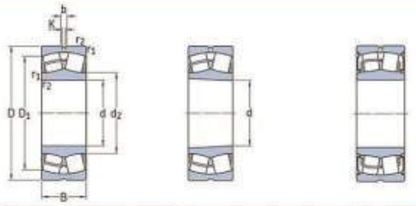
New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
230/670CA	30531/670	670X980X230	600	6560	14600	240
230/710CA	30531/710	710X1030X236	670	7250	16300	220
230/750CA	30531/750	750X1090X250	795	8450	18600	200
230/800CA	30531/800	800X1150X258	895	8630	20000	190
230/850CA	30531/850	850X1220X272	1050	9370	21600	180
230/900CA	30531/900	900X1280X280	1200	10100	23200	170
230/950CA	30531/950	950X1360X300	1450	12000	28500	160
230/1000CA	30531/1000	1000X1420X308	1550	11200	27000	150
230/1060CA	30531/1060	1060X1500X325	2250	13800	34000	135
230/1250CA	30531/1250	1250X1750X375	2840	17900	45000	120
24020CA	4053120	100X150X50	2.95	290	620	1800
24022CA	4053122	110X170X60	4.98	310	650	1700
24024CA	4053124	120X180X60	5.4	325	660	1600
24026CA	4053126	130X200X69	7.95	477	815	1500
24028CA	4053128	140X210X69	8.45	495	900	1400
24030CA	4053130	150X225X75	10.5	500	1050	1300
24032CA	4053132	160X240X80	13	570	1210	1100
24034CA	4053134	170X260X90	16.7	705	1500	1000
24036CA	4053136	180X280X100	22.5	835	1750	950
24038CA	4053138	190X290X100	24	855	1840	950
24040CA	4053140	200X310X109	30.5	985	2130	900
24044CA	4053144	220X340X118	30	1150	2500	850
24048CA	4053148	240X360X118	42.5	1240	2800	800
24052CA	4053152	260X400X140	64.5	1780	1910	700
24056CA	4053156	280X420X140	68.5	1620	3700	670
24060CA	4053160	300X460X160	97	2020	2700	600
24064CA	4053164	320X480X160	100	2480	5100	560
24068CA	4053168	340X520X180	140	2460	5700	530

Spherical Roller Bearings

KUGELROLLENLAGER



New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
24072CA	4053172	360X540X180	145	3110	6550	500
24076CA	4053172	380X560X180	150	3150	6900	480
24080CA	4053180	400X600X200	205	3600	7800	450
24084CA	4053184	420X620X200	210	3350	8450	380
24088CA	4053188	440X650X212	245	4080	8800	360
24092CA	4053192	460X680X218	275	4200	9100	340
24096CA	4053196	480X700X218	285	4490	10000	340
240/500CA	40531/500	500X720X218	295	4600	10400	320
240/530CA	40531/560	530X780X250	410	5640	12700	280
240/560CA	40531/560	560X820X258	465	6210	14000	260
240/600CA	40531/600	600X870X272	540	6730	15600	240
240/630CA	40531/630	630X920X290	655	7530	17300	220
240/670CA	40531/670	670X980X308	790	8450 .	20000	200
240/710CA	40531/710	710X1030X315	895	8970	22000	190
240/750CA	40531/750	750X1090X335	1065	9950	24000	180
240/800CA	40531/800	800X1150X345	1200	10900	27500	170
240/850CA	40531/850	850X1220X365	1410	12000	30000	160
240/900CA	40531/900	900X1280X375	1570	12900	32500	150
240/950CA	40531/950	950X1360X412	1990	14800	39000	130
240/1000CA	40531/1000	1000X1420X412	2140	15400	40500	110
240/1060CA	40531/1060	1060X1500X438	2515	17300	45500	100
240/1120CA	40531/1120	1120X1580X462	2925	18700	50000	90
23218CA	3053218	90X160X52.4	4.82	495	585	2500
23220CA	3053220	100X180X60.3	6.58	415	599	2100
23222CA	3053222	110X200X69.8	9.66	502	742	1600
23224CA	3053224	120X215X76	12	535	940	1500
23226CA	3053226	130X230X80	14	670	1020	1300
23228CA	3053228	140X250X88	18.5	910	1365	1200



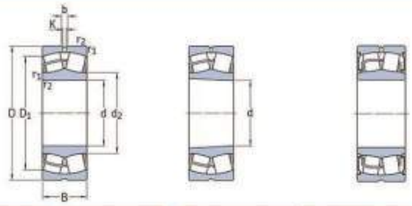
Spherical Roller Bearings

KUGELROLLENLAGER

New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
23230CA	3053230	150X270X96	24	950	1550	1100
23232CA	3053232	160X290X104	30	1100	1760	1000
23234CA	3053234	170X310X110	36.5	1070	1930	950
23236CA	3053236	180X320X112	39	1160	2130	900
23238CA	3053238	190X340X120	47.5	1290	2400	850
23240CA	3053240	200X360X128	57	1360	2530	850
23244CA	3053244	220X400X144	79.58	1720	3200	750
23248CA	3053248	240X440X160	110	2080	3950	670
23252CA	3053252	260X480X174	140	2800	4750	630
23256CA	3053256	280X500X176	150	2580	5100	600
23260CA	3053260	300X540X192	190	3300	5600	530
23264CA	3053264	320X580X208	240	3900	6800	500
23268CA	3053268	340X620X224	295	4660	8300	430
23272CA	3053272	360X650X232	335	4650	8300	400
23276CA	3053276	380X680X240	375	5060	9150	380
23280CA	3053280	400X720X256	450	6150	11300	340
23284CA	3053284	420X760X272	535	5610	11900	320
23288CA	3053288	440X790X280	590	6730	12500	320
23292CA	3053292	460X830X296	695	7350	13500	300
23296CA	3053296	480X870X310	800	6750	15200	260
232/500CA	30532/500	500X920X336	985	8600	18600	280
232/530CA	30532/530	530X980X355	1200	11100	20400	220
232/560CA	30532/560	560X1030X365	1350	11500	22000	200
232/600CA	30532/600	600X1090X388	1600	13100	25500	190
232/670CA	30532/670	670X1220X438	2270	15400	30500	170
232/750CA	30532/750	750X1360X475	3050	18700	36500	150
22205CA	53505	25X52X18	0.184	35.6	38	7500
22206CA	53506	30X62X20	0.295	48.5	48.5	6000

Spherical Roller Bearings

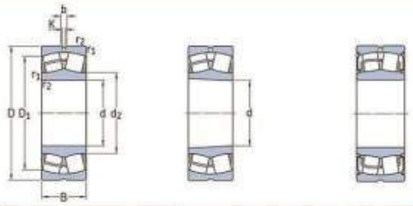
KUGELROLLENLAGER



New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
22207CA	53507	35X72X23	0.45	68.5	82	5000
22208CA	53508	40X80X23	0.6	56	76.5	4500
22209CA	53509	45X85X23	0.616	56.5	78.5	5300
22210CA	53510	50X90X23	0.296	78.5	108	5000
22211CA	53511	55X100X25	0.917	80	114	4800
22212CA	53512	60X110X28	1.19	84.5	125	4000
22213CA	53513	65X120X31	1.6	130	188	3800
22214CA	53514	70X125X31	1.68	124	153	3600
22215CA	53515	75X130X31	1.75	128	235	3000
22216CA	53516	80X140X33	2.12	128	264	3200
22217CA	53517	85X150X36	2.79	133	310	3000
22218CA	53518	90X160X40	3.78	158	375	2600
22219CA	53519	95X170X43	4.31	238	265	24000
22220CA	53520	100X180X46	4	275	360	2400
22222CA	53522	110X200X53	7.25	396	543	2000
22224CA	53524	120X215X58	9.139	425	940	1900
22226CA	53526	130X230X64	11.38	490	805	1800
22228CA	53528	140X250X68	14.44	560	930	1700
22230CA	53530	150X270X73	18.22	630	1050	1600
22232CA	53532	160X290X80	22.95	750	1300	1500
22234CA	53534	170X310X86	28.41	845	1450	1300
22236CA	53536	180X320X86	29.67	895	1500	1300
22238CA	53538	190X340X92	35.55	865	1620	1200
22240CA	53540	200X360X98	4.9	1100	1950	1100
22244CA	54544	220X400X108	61.7	1350	2400	950
22248CA	53548	240X440X120	853.2	1820	1640	900
22252CA	53552	260X480X130	105	1900	3600	850
22256CA	53556	280X500X130	124	1990	3600	800
22260CA	53560	300X540X140	143	2310	4300	750
22264CA	53564	320X580X150	175	2490	4550	670

Spherical Roller Bearings

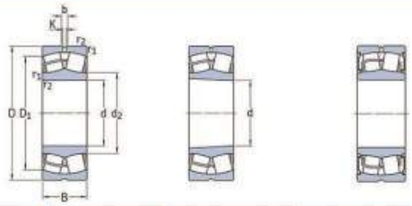
KUGELROLLENLAGER



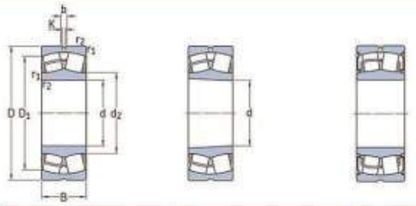
New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
22272CA	53572	360X650X170	255	3740	6200	600
22308CA	53608	40X90X33	1.07	106	136	4500
22309CA	53609	45X100X36	1.4	134	179	3800
22310CA	53610	50X110X40	1.83	162	221	3400
22311CA	53611	55X120X43	2	189	260	3200
22312CA	53612	60X130X46	2.88	212	310	3000
22313CA	53613	65X140X48	3.52	243	340	2600
22314CA	53614	70X150X51	4.21	300	380	2400
22315CA	53615	75X160X55	5.47	325	455	2200
22316CA	53616	80X170X58	6.63	363	441	2000
22317CA	53617	85X180X60	7.07	315	446	1900
22318CA	53618	90X190X64	8.76	463	592	1800
22319CA	53618	95X200X67	9.93	394	578	1700
22320CA	53620	100X215X73	13.7	540	815	1700
22322CA	53622	110X240X80	17.7	630	955	1600
22324CA	53624	120X260X86	22.9	720	1100	1400
22326CA	53626	130X280X93	28.5	965	1500	1300
22328CA	53628	140X300X102	35.5	1210	1950	1100
22330CA	53630	150X320X108	42	1120	1810	1000
22332CA	53632	160X340X114	52.2	1270	2050	950
22334CA	53634	170X360X120	60.7	1320	2120	950
22336CA	53636	180X380X126	72.6	1470	2400	900
22338CA	53638	190X400X132	84.2	1640	2630	850
22340CA	53640	200X420X138	94.4	1740	2860	850
22344CA	53644	220X460X145	119	2350	3450	750
22348CA	53648	240X500X155	156	2670	4000	670
22352CA	53652	260X540X165	191	3000	4700	630
22356CA	53656	280X580X175	233	3200	5700	600

Spherical Roller Bearings

KUGELROLLENLAGER



New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
22360CA	53660	300X620X185	274.5	4050	7150	500
22364CA	53664	320X670X200	345	4300	7900	460
22368CA	53668	340X670X200	410	4500	8000	4300
22372CA	53672	360X750X224	494	4900	8600	400
22380CA	53680	400X820X243	650	6560	10400	360
23120CA	3053720	100X165X52	4.42	325	538	2200
23121CA	3053721	105X175X56	5.48	320	500	1700
23122CA	3053722	110X180X56	5.73	387	605	2000
23124CA	3053724	120X200X62	7.95	405	715	1800
23126CA	3053726	130X210X64	8.55	430	790	1700
23128CA	3053728	140X225X68	10.5	490	935	1600
23130CA	3053730	150X250X80	15.6	745	685	1400
23132CA	3053732	160X270X86	20.5	765	1430	1300
23134CA	3053734	170X280X88	21.5	730	1390	1200
23136CA	3053736	180X300X96	28	900	1720	1100
23138CA	3053738	190X320X104	34.7	975	1840	1000
23140CA	3053740	200X340X112	42.5	1170	2240	950
23144CA	3053744	220X370X120	53.66	1370	2710	900
23148CA	3053748	240X400X128	67.44	1500	3000	850
23152CA	3053752	260X440X144	95.5	1860	3750	800
23156CA	3053756	280X460X146	92.4	1990	4150	750
23160CA	3053760	300X500X160	134	2310	4750	670
23164CA	3053764	320X540X176	160	3150	3200	630
23168CA	3053768	340X580X190	210	3050	6300	600
23172CA	3053772	360X600X192	221	3250	6850	560
23176CA	3053776	380X620X194	243	3400	7350	400
23180CA	3053780	400X650X200	239	4100	7650	380
23184CA	3053784	420X700X224	350	4250	9200	360



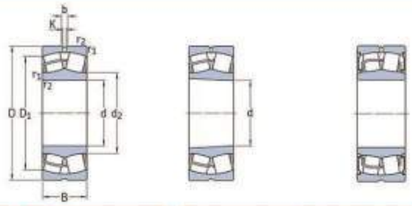
Spherical Roller Bearings

KUGELROLLENLAGER

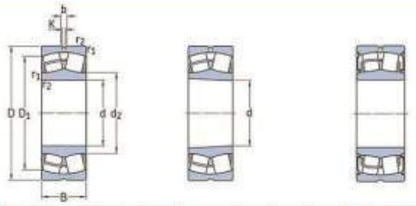
New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
23188CA	3053788	440X720X226	360	4500	10000	340
23192CA	3053792	460X760X240	440	5500	10000	320
23196CA	3053796	480X790X248	485	6100	12000	300
231/500CA	30537/500	500X830X264	580	6730	12900	280
231/530CA	30537/530	530X870X272	645	7130	14000	260
231/560CA	30537/560	560X920X280	740	7990	16000	240
231/600CA	30537/600	600X980X300	895	8970	18000	200
231/630CA	30537/630	630X1030X315	1050	10500	20800	190
231/670CA	30537/670	670X1090X336	1250	10900	22400	180
231/710CA	30537/710	710X1150X345	1450	12200	26000	180
231/750CA	30537/750	750X1220X365	1700	13600	29000	170
231/800CA	30537/800	800X1280X375	1920	14800	31500	160
231/850CA	30537/850	850X1360X400	2200	16100	34500	140
231/1000CA	30537/1000	1000X1580X462	3500	21400	48000	130
24124CA	4053724	120X200X80	10	495	925	900
24126CA	4053726	130X210X80	11	540	1000	875
24128CA	4053728	140X225X85	13	580	1150	850
24130CA	4053730	150X250X100	19.5	720	1530	770
24132CA	4053732	160X270X109	25	865	1690	700
24134CA	4053734	170X280X109	26.5	940	1860	660
24136CA	4053736	180X300X118	33.5	1020	2030	630
24138CA	4053738	190X320X128	42	1200	2400	600
24140CA	4053740	200X340X140	52	1350	2700	540
24144CA	5343744	220X370X150	65	1500	3000	500
24148CA	405348	240X400X160	80.5	1660	3400	480
24152CA	5043752	260X440X180	110	2100	4350	430
24156CA	4053756	280X460X180	120	2220	4750	400
24160CA	4053760	300X500X200	155	3280	6300	530

Spherical Roller Bearings

KUGELROLLENLAGER



New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
24164CA	4053764	320X540X218	210	3740	7100	480
24168CA	4053768	340X580X243	240	4660	8650	450
24172CA	4053772	360X600X243	270	4890	9300	430
24176CA	4053776	380X620X243	300	5060	9800	340
24180CA	4053780	400X650X250	340	5350	10600	320
24184CA	4053784	420X700X280	445	6360	12500	300
24188CA	4053788	440X720X280	460	6560	13200	280
24192CA	4053792	460X760X300	560	7250	14600	260
24196CA	4053796	480X790X308	605	7710	15600	240
241/500CA	40537/500	500X830X325	745	8630	17000	220
241/530CA	40537/530	530X870X335	830	9200	19000	200
241/560CA	40537/560	560X920X355	985	10500	21600	190
241/600CA	40537/600	600X980X375	1200	11500	23600	180
241/630CA	40537/630	630X1030X400	1400	12700	27000	170
241/670CA	40537/670	670X1090X412	1600	13800	29000	160
241/710CA	40537/710	710X1150X438	1900	15200	32500	150
241/750CA	40537/750	750X1220X475	2100	17300	37500	140
241/800CA	40537/800	800X1280X475	2300	18400	40500	130
241/900CA	40537/900	900X1420X515	3350	21400	49000	100
241/1000CA	40537/1000	1000X1580X580	4300	22500	50000	80
23852CA	3053852	260X320X45	8	385	930	850
23856CA	3053856	280X350X52	12	506	1180	800
23860CA	3053860	300X380X60	17	644	1560	700
23864CA	3053864	320X400X60	17.5	673	1660	660
23868CA	3053868	340X420X60	18.5	690	1730	630
23872CA	3053872	360X440X60	20	713	1860	600
23896CA	3053896	480X600X90	61	1440	3750	430
238/500CA	30538/500	500X620X90	62	1480	4000	430



Spherical Roller Bearings

KUGELROLLENLAGER

New code name	Old code name	Basic dimensions d × D × B	weight kg	Cr(KN)	Cor(KN)	rmp grease
238/630CA	30538/630	630X780X112	120	2190	6100	320
238/670CA	30538/670	670X820X112	130	2250	6400	280
238/750CA	30538/750	750X920X128	135	2930	8500	240
238/850CA	30538/850	850X1030X136	240	3340	10000	190
238/1000CA	30538/1000	1000X1220X165	410	4660	14300	150
238/1060CA	30538/1060	1060X1280X165	435	4770	15000	100
238/1180C A	30538/1180	1180X1420X180	575	5870	18600	80
24892CA	4053892	460X580X118	75.5	1790	4900	450
248/530CA	40538/530	530X650X118	86	1840	5300	380
248/800CA	40538/800	800X980X180	300	4140	12900	180
248/900CA	50538/900	900X1090X190	370	4660	15300	70
248/1060CA	40538/1060	1060X1280X218	570	6100	20000	
248/1120CA	40538/1120	1120X1360X243	735	7250	24000	
248/1180CA	40538/1180	1180X1420X243	770	7710	27000	
248/1320CA	40538/1320	1320X1600X280	1160	9780	33500	
23936CA	3053936	180X250X52	8.2	431	830	1700
23938CA	3053938	190X260X52	8.4	414	800	1700
23940CA	3053940	200X280X60	11.5	546	1040	1600
23944CA	3053944	220X300X60	13	546	1080	1500
23948CA	3053948	240X320X60	14	564	1160	1300
23952CA	3053952	260X360X75	24	880	1800	1100
23956CA	3053956	280X380X75	26	845	1760	1000
23960CA	3053960	300X420X90	40.5	1200	2500	950
23964CA	3053964	320X440X90	452	1240	2700	900
23968CA	3053968	340X460X90	45.5	1270	2800	900
23972CA	3053975	360X480X90	46.5	1290	2900	850

SDVV®

Angular contact ball bearing

Winkelkontakt Kugellager

Angular contact ball bearings can withstand both radial and axial loads simultaneously. Capable of operating at higher speeds. The larger the contact angle, the higher the axial bearing capacity. The contact angle is the angle between the contact point line between the ball and raceway in the radial plane and the vertical line of the bearing axis. High precision and high-speed bearings typically have a contact angle of 15 degrees. Under the action of axial force, the contact angle will increase.

Winkelkontaktkugellager können sowohl radialen als auch axialen Belastungen gleichzeitig standhalten. Fähig, bei höheren Geschwindigkeiten zu arbeiten. Je größer der Kontaktwinkel ist, desto höher ist die axiale Tragfähigkeit. Der Kontaktwinkel ist der Winkel zwischen der Kontaktpunktlinie zwischen Kugel und Laufbahn in der Radialebene und der Vertikallinie der Lagerachse. Hochpräzisions- und Hochgeschwindigkeitslager haben in der Regel einen Kontaktwinkel von 15 Grad. Unter der Wirkung der axialen Kraft wird der Kontaktwinkel zunehmen.

Angular contact ball bearing

Winkelkontakt Kugellager



Applicable fields

High precision machine tool

High speed equipment

machining center

BEARING TYPE ANTITHESIS

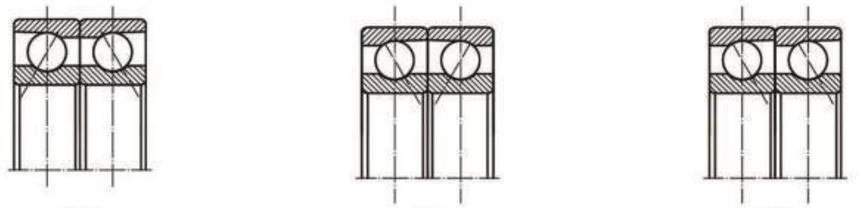
LAGERTYP ANTITHESE

project	type		SKF	NSK	FAG	SNFA
series	Ultralight series	718	718	78	B718	SEA
	Ultra light series	719	719	79	B719	SEB
	High speed ultra light	H719	719CE	BN19	HS719	VEB
	Light series	70	70	70	B70	EX
	High speed light series	H70	70CE	BN10	HS70	VEX
	Standard series	72	72	72	B72	E200
accuracy class		P5		P5	P5	5
		P4	P4A	P4	P4S	7
		P2	PA9A	P2	P2	9
contact angle	15°	C	CD	C	C	1
	25°	AC	ACD	A5	E	3
Assembly method	< >	DB	DB	DB	DU (O)	DD
	> <	DF	DF	DF	DU (X)	FF
	< <	DT	DT	DT	DU (T)	T
	< < >	TBT	TBT	DBD		TD
	> < <	TFT	TFT	DFD		TF
	< >	QBC	QBC	DBB		TDT
	< >	QBT	QBT	QBT		3DT
	Universal pairing	G	G	SU	U	U
preload	light	A	A	L	L	L
	Chinese	B	B	M	M	M
	heavy	C	C	H	S	F

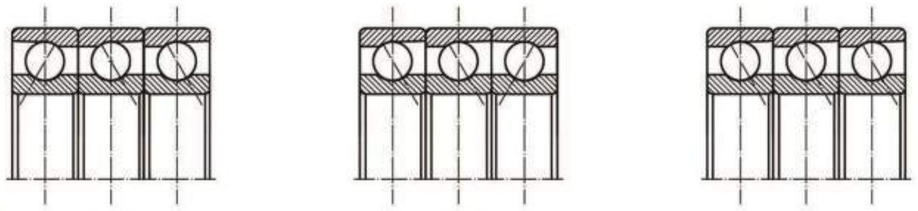
GROUP SUPPORTING ROLE CONTACT BALL BEARING

GRUPPENSTÜTZROLLENKONTAKTKUGELLAGER

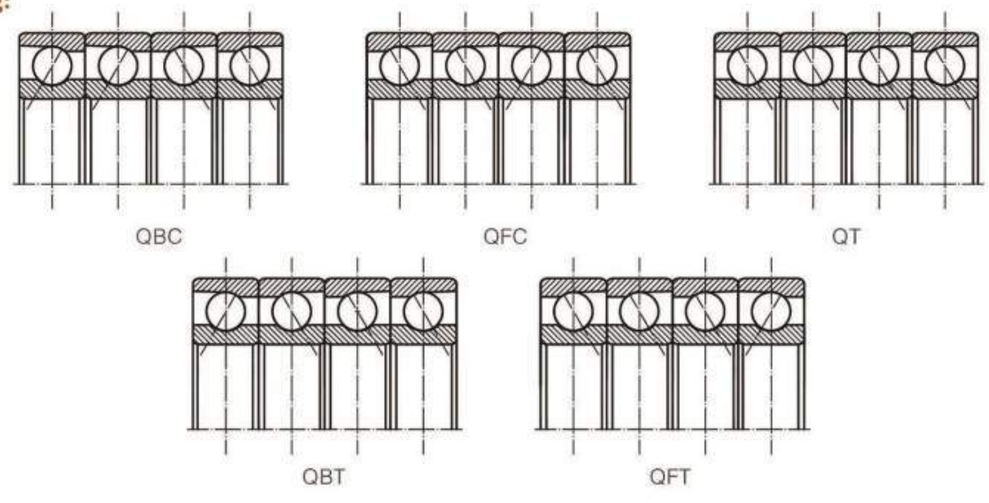
Two pair pairing:



Triple pairing:

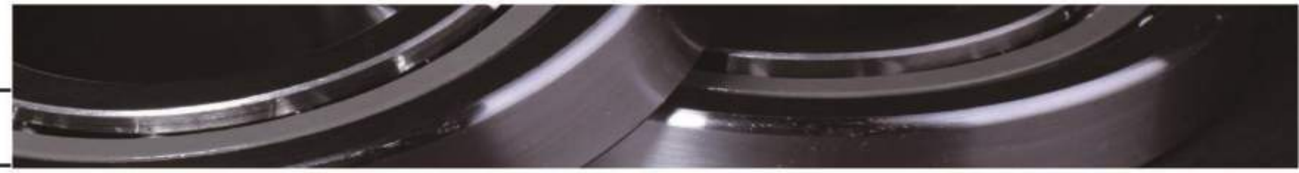


Quadruple pairing:



BEARING TYPE IDENTIFICATION

718 series (standard type) inner diameter 10-150mm



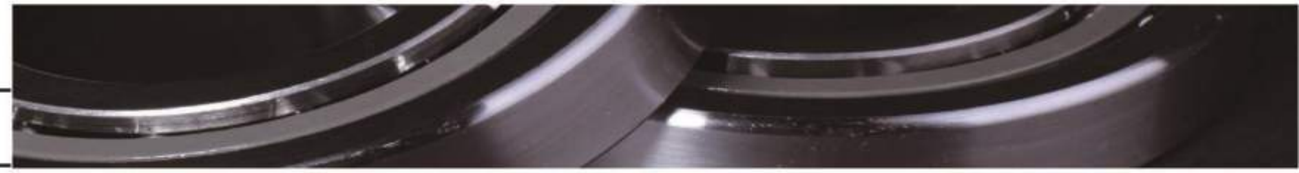
Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
71800C	10	19	5	0.3	0.1	1.9	0.98	75000	120000	95000	160000	7	23	54
71800AC	10	19	5	0.3	0.1	1.9	0.98	70000	110000	85000	140000	8	31	80
71801C	12	21	5	0.3	0.1	2.08	1.18	67000	100000	85000	140000	7	25	58
71801AC	12	21	5	0.3	0.1	1.96	1.12	60000	90000	75000	120000	8	33	85
71802C	15	24	5	0.3	0.1	2.28	1.5	56000	85000	70000	110000	8	27	63
71802AC	15	24	5	0.3	0.1	2.16	1.4	50000	75000	63000	95000	8	34	91
71803C	17	26	5	0.3	0.1	2.32	1.6	50000	75000	67000	100000	8	26	64
71803AC	17	26	5	0.3	0.1	2.2	1.53	48000	70000	56000	85000	7	33	92
71804C	20	32	7	0.3	0.1	3.8	2.65	43000	63000	53000	80000	15	50	114
71804AC	20	32	7	0.3	0.1	3.65	2.5	38000	56000	45000	67000	18	70	174
71805C	25	37	7	0.3	0.1	4.15	3.2	36000	53000	45000	67000	16	54	123
71805AC	25	37	7	0.3	0.1	3.9	3	32000	48000	38000	56000	18	72	181
71806C	30	42	7	0.3	0.1	4.4	3.65	30000	45000	38000	56000	16	56	129
71806AC	30	42	7	0.3	0.1	4.15	3.4	28000	43000	34000	50000	18	73	189
71807C	35	47	7	0.3	0.1	4.65	4.15	26000	40000	34000	50000	17	58	135
71807AC	35	47	7	0.3	0.1	4.4	3.8	24000	38000	30000	45000	19	76	197
71808C	40	52	7	0.3	0.1	4.8	4.55	24000	38000	30000	45000	17	59	138
71808AC	40	52	7	0.3	0.1	4.55	4.25	22000	36000	26000	40000	17	75	199
71809C	45	58	7	0.3	0.1	7.2	6.95	22000	36000	28000	43000	22	98	221
71809AC	45	58	7	0.3	0.1	6.8	6.4	19000	32000	24000	38000	35	133	328
71810C	50	65	7	0.3	0.1	7.35	7.35	19000	32000	24000	38000	21	99	224
71810AC	50	65	7	0.3	0.1	6.95	6.8	17000	28000	20000	34000	34	133	332
71811C	55	72	9	0.3	0.1	10.2	10.2	17000	28000	22000	36000	35	147	326
71811AC	55	72	9	0.3	0.1	9.65	9.5	16000	26000	19000	32000	57	206	491
71812C	60	78	10	0.3	0.1	13.2	13.2	16000	26000	20000	34000	51	200	435
71812AC	60	78	10	0.3	0.1	12.2	12.2	14000	22000	17000	28000	80	280	649
71813C	65	85	10	0.6	0.3	13.4	14	15000	24000	19000	32000	51	201	440

Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
71813AC	65	85	10	0.6	0.3	12.7	12.9	13000	20000	16000	26000	82	289	673
71814C	70	90	10	0.6	0.3	14	15	14000	22000	18000	30000	53	210	459
71814AC	70	90	10	0.6	0.3	12.9	13.7	13000	20000	15000	24000	81	289	678
71815C	75	95	10	0.6	0.3	14.3	15.6	13000	20000	16000	26000	53	213	467
71815AC	75	95	10	0.6	0.3	13.4	14.6	12000	19000	14000	22000	84	298	702
71816C	80	100	10	0.6	0.3	14.6	16.6	12000	19000	16000	26000	53	216	474
71816AC	80	100	10	0.6	0.3	13.7	15.6	11000	18000	13000	20000	84	302	712
71817C	85	110	13	1	0.3	21.6	24	11000	18000	14000	22000	93	344	739
71817AC	85	110	13	1	0.3	20.4	22.4	10000	17000	12000	19000	113	507	1142
71818C	90	115	13	1	0.3	21.2	23.6	11000	18000	14000	22000	91	337	724
71818AC	90	115	13	1	0.3	20	22	9500	16000	12000	19000	110	495	1116
71819C	95	120	13	1	0.3	21.6	24.5	10000	17000	13000	20000	92	343	737
71819AC	95	120	13	1	0.3	20.4	22.8	9000	15000	11000	18000	111	504	1137
71820C	100	125	13	1	0.3	21.6	25	9500	16000	12000	19000	91	341	735
71820AC	100	125	13	1	0.3	20.4	23.6	8500	14000	10000	17000	109	500	1132
71821C	105	130	13	1	0.3	22.8	27.5	9000	15000	12000	19000	95	358	774
71821AC	105	130	13	1	0.3	21.6	25.5	8000	13000	10000	17000	112	525	1193
71822C	110	140	16	1	0.3	31.5	36.5	8500	14000	11000	18000	146	521	1105
71822AC	110	140	16	1	0.3	29	34	7500	12000	9000	15000	181	757	1673
71824C	120	150	16	1	0.3	32	39	7500	12000	10000	17000	146	527	1119
71824AC	120	150	16	1	0.3	30	36	7000	11000	8500	14000	184	779	1725
71826C	130	165	18	1.1	0.6	42.5	51	7000	11000	9000	15000	208	723	1523
71826AC	130	165	18	1.1	0.6	40	48	6300	9500	7500	12000	277	1092	2378
71828C	140	175	18	1.1	0.6	43	54	6300	9500	8000	13000	208	728	1536
71828AC	140	175	18	1.1	0.6	40.5	51	6000	9000	7000	11000	275	1097	2397
71830C	150	190	20	1.1	0.6	56	69.5	6000	9000	7500	12000	281	955	1995
71830AC	150	190	20	1.1	0.6	52	64	5300	8000	6300	9500	386	1465	3145

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BEARING TYPE IDENTIFICATION

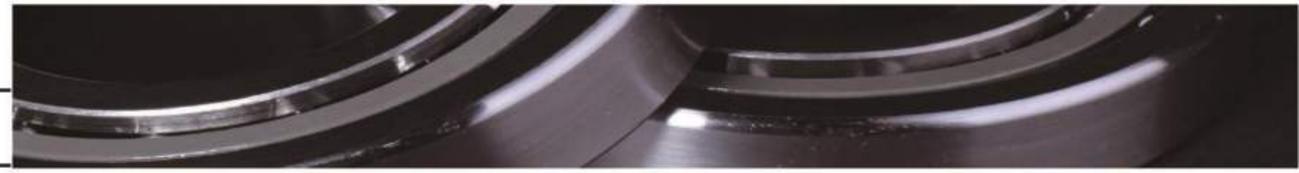
719 series (standard type) inner diameter 10-150mm



Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
71900C	10	22	6	0.3	0.1	3	1.53	70000	110000	90000	150000	14	51	114
71900AC	10	22	6	0.3	0.1	2.9	1.46	63000	95000	75000	120000	17	63	149
71901C	12	24	6	0.3	0.3	3.35	1.86	60000	90000	80000	130000	15	56	126
71901AC	12	24	6	0.3	0.3	3.2	1.76	56000	85000	67000	100000	19	67	162
71902C	15	28	7	0.3	0.3	5	2.9	50000	75000	67000	100000	20	77	167
71902AC	15	28	7	0.3	0.3	4.8	2.75	48000	70000	56000	85000	22	112	259
71903C	17	30	7	0.3	0.3	5.3	3.15	48000	70000	60000	90000	21	81	176
71903AC	17	30	7	0.3	0.3	5	3	43000	63000	50000	75000	23	116	268
71904C	20	37	9	0.3	0.3	7.35	4.55	38000	56000	50000	75000	41	137	297
71904AC	20	37	9	0.3	0.3	6.95	4.4	36000	53000	43000	63000	38	172	390
71905C	25	42	9	0.3	0.3	8.15	5.7	32000	48000	43000	63000	40	141	326
71905AC	25	42	9	0.3	0.3	7.8	5.5	30000	45000	36000	53000	40	189	430
71906C	30	47	9	0.3	0.3	8.65	6.55	28000	43000	36000	53000	42	158	345
71906AC	30	47	9	0.3	0.3	8.15	6.3	26000	40000	32000	48000	40	194	445
71907C	35	55	10	0.6	0.6	11.8	9.5	24000	38000	32000	48000	61	209	481
71907AC	35	55	10	0.6	0.6	11	9	22000	36000	26000	40000	61	276	619
71908C	40	62	12	0.6	0.6	17.6	13.7	22000	36000	28000	43000	85	300	633
71908AC	40	62	12	0.6	0.6	16.6	13.2	20000	34000	24000	38000	112	450	984
71909C	45	68	12	0.6	0.6	18.6	15.6	19000	32000	24000	38000	89	315	667
71909AC	45	68	12	0.6	0.6	17.6	15	18000	30000	22000	36000	116	473	1038
71910C	50	72	12	0.6	0.6	19	16.6	18000	30000	22000	36000	90	321	679
71910AC	50	72	12	0.6	0.6	18	15.6	16000	26000	20000	34000	118	482	1059
71911C	55	80	13	1	1	22.8	20.4	16000	26000	20000	34000	112	391	825
71911AC	55	80	13	1	1	21.6	19.3	15000	24000	18000	30000	149	592	1287
71912C	60	85	13	1	1	24	22.8	15000	24000	19000	32000	117	410	866
71912AC	60	85	13	1	1	22.8	21.6	14000	22000	17000	28000	156	622	1353
71913C	65	90	13	1	1	24.5	24	14000	22000	18000	30000	118	417	883

Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
71913AC	65	90	13	1	1	22.8	22.4	13000	20000	15000	24000	153	617	1348
71914C	70	100	16	1	1	33.5	32.5	13000	20000	16000	26000	172	588	1230
71914AC	70	100	16	1	1	31.5	31	12000	19000	14000	22000	234	890	1917
71915C	75	105	16	1	1	34	34.5	12000	19000	16000	26000	174	596	1246
71915AC	75	105	16	1	1	32	32.5	11000	18000	13000	20000	236	901	1943
71916C	80	110	16	1	1	34.5	36	12000	19000	15000	24000	175	603	1262
71916AC	80	110	16	1	1	32.5	34	11000	18000	13000	20000	238	911	1969
71917C	85	120	18	1.1	1.1	45	46.5	11000	18000	13000	20000	239	804	1672
71917AC	85	120	18	1.1	1.1	42.5	44	9500	16000	12000	19000	336	1232	2631
71918C	90	125	13	1.1	1.1	45.5	49	10000	17000	13000	20000	240	811	1688
71918AC	90	125	13	1.1	1.1	43	46.5	9000	15000	11000	18000	337	1243	2655
71919C	95	130	18	1.1	1.1	46.5	51	9500	16000	12000	19000	245	827	1724
71919AC	95	130	18	1.1	1.1	44	48	8500	14000	10000	17000	343	1269	2713
71920C	100	140	20	1.1	1.1	58.5	64	9000	15000	11000	18000	318	1059	2194
71920AC	100	140	20	1.1	1.1	55	60	8000	13000	9500	16000	453	1626	3437
71921C	105	145	20	1.1	1.1	58.5	64	8500	14000	11000	18000	318	1059	2194
71921AC	105	145	20	1.1	1.1	55	60	7500	12000	9000	15000	453	1626	3437
71922C	110	150	20	1.1	1.1	58.5	67	8000	13000	10000	17000	316	1056	2191
71922AC	110	150	20	1.1	1.1	56	63	7500	12000	9000	15000	458	1651	3495
71924C	120	165	22	1.1	1.1	73.5	85	7000	11000	9000	15000	408	1344	2773
71924AC	120	165	22	1.1	1.1	69.5	80	6700	10000	8000	13000	591	2087	4388
71926C	130	180	24	1.5	1.5	86.5	100	6700	10000	8500	14000	489	1600	3291
71926AC	130	180	24	1.5	1.5	81.5	95	6000	9000	7000	11000	714	2477	5193
71928C	140	190	24	1.5	1.5	90	108	6000	9000	7500	12000	506	1661	3412
71928AC	140	190	24	1.5	1.5	85	102	5600	8500	6700	10000	740	2576	5405
71930C	150	210	28	2	1	122	143	5600	8500	7000	11000	710	2286	4680
71930AC	150	210	28	2	1	114	134	5000	7500	6000	9000	1046	3541	7369

BEARING TYPE IDENTIFICATION



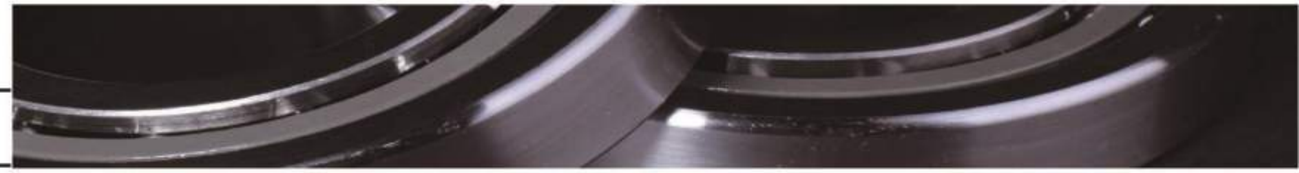
70 series (standard type) inner diameter 6-150mm

Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
706C	6	17	6	0.3	0.3	2.36	0.97	95000	160000	120000	190000			
706AC	6	17	6	0.3	0.3	2.28	0.93	85000	140000	100000	170000			
708C	8	22	7	0.3	0.3	3.8	1.73	75000	120000	95000	160000			
708AC	8	22	7	0.3	0.3	3.75	1.66	67000	100000	80000	130000			
7000C	10	26	8	0.3	0.3	4.25	2.08	60000	90000	80000	130000	17	67	145
7000AC	10	26	8	0.3	0.3	4.05	2	56000	85000	67000	100000	22	100	224
7001C	12	28	8	0.3	0.3	4.75	2.6	56000	85000	70000	110000	19	74	161
7001AC	12	28	8	0.3	0.3	4.55	2.5	50000	75000	60000	90000	23	110	250
7002C	15	32	9	0.3	0.3	6.2	3.4	48000	70000	60000	90000	28	102	216
7002AC	15	32	9	0.3	0.3	6	3.25	43000	63000	50000	75000	36	154	344
7003C	17	35	10	0.3	0.3	8.65	4.9	43000	63000	53000	80000	41	146	308
7003AC	17	35	10	0.3	0.3	8.3	4.75	38000	56000	45000	67000	54	221	487
7004C	20	42	12	0.6	0.6	10.4	6	36000	53000	45000	67000	52	179	377
7004AC	20	42	12	0.6	0.6	10	5.7	32000	48000	38000	56000	71	277	598
7005C	25	47	12	0.6	0.6	14.6	9.15	30000	45000	38000	56000	74	254	533
7005AC	25	47	12	0.6	0.6	13.7	8.65	28000	43000	34000	50000	101	384	828
7006C	30	55	13	1	1	15	10.2	26000	40000	32000	48000	75	260	545
7006AC	30	55	13	1	1	14.3	9.8	24000	38000	28000	43000	102	397	861
7007C	35	62	14	1	1	19	13.7	22000	36000	28000	43000	97	333	697
7007AC	35	62	14	1	1	18.3	12.9	20000	34000	24000	38000	136	518	1116
7008C	40	68	15	1	1	20.4	16	20000	34000	26000	40000	102	353	743
7008AC	40	68	15	1	1	19.6	15	19000	32000	22000	36000	142	547	1180
7009C	45	75	16	1	1	27.5	21.2	18000	30000	24000	38000	145	490	1019
7009AC	45	75	16	1	1	26.5	20	17000	28000	20000	34000	209	768	1638
7010C	50	80	16	1	1	28.5	22.8	17000	28000	22000	36000	150	507	1054
7010AC	50	80	16	1	1	27	21.6	15000	24000	18000	30000	211	779	1663
7011C	55	90	18	1.1	1.1	38	31	15000	24000	19000	32000	207	687	1424
7011AC	55	90	18	1.1	1.1	36	29	14000	22000	17000	28000	298	1066	2257
7012C	60	95	18	1.1	1.1	39	33.5	14000	22000	18000	30000	211	704	1459
7012AC	60	95	18	1.1	1.1	36.5	31.5	13000	20000	15000	24000	299	1075	2281
7013C	65	100	18	1.1	1.1	40	35.5	13000	20000	17000	28000	216	720	1495
7013AC	65	100	18	1.1	1.1	38	33.5	12000	19000	15000	24000	310	1118	2372
7014C	70	110	20	1.1	1.1	50	43	12000	19000	16000	26000	278	915	1888
7014AC	70	110	20	1.1	1.1	46.5	41.5	11000	18000	13000	20000	398	1397	2945
7015C	75	115	20	1.1	1.1	51	46.5	12000	19000	15000	24000	283	931	1923
7015AC	75	115	20	1.1	1.1	48	44	11000	18000	13000	20000	408	1439	3027
7016C	80	125	22	1.1	1.1	63	58.5	11000	18000	14000	22000	357	1163	2391
7016A	80	125	22	1.1	1.1	60	55	9500	16000	12000	19000	529	1830	3825
7017C	85	130	22	1.1	1.1	65.5	62	10000	17000	13000	20000	370	1209	2484
7017AC	85	130	22	1.1	1.1	62	58.5	9000	15000	11000	18000	545	1888	3949
7018C	90	140	24	1.5	1.5	76.5	72	9500	16000	12000	19000	440	1427	2925
7018AC	90	140	24	1.5	1.5	72	68	8500	14000	10000	17000	649	2217	4623
7019C	95	145	24	1.5	1.5	78	76.5	9000	15000	11000	18000	447	1452	2980
7019AC	95	145	24	1.5	1.5	75	72	8000	13000	9500	16000	675	2308	4813
7020C	100	150	24	1.5	1.5	81.5	81.5	8500	14000	11000	18000	467	1516	3112
7020AC	100	150	24	1.5	1.5	76.5	76.5	7500	12000	9000	15000	685	2347	4902
7021C	105	160	26	2	2	106	102	8000	13000	10000	17000	625	1999	4083
7021AC	105	160	26	2	2	102	98	7000	11000	8500	14000	960	3206	6639
7022C	110	170	28	2	2	110	110	7500	12000	9500	16000	648	2072	4235
7022AC	110	170	28	2	2	104	104	6700	10000	8000	13000	975	3262	6760
7024C	120	180	28	2	2	112	116	6700	10000	8500	14000	657	2107	4308
7024AC	120	180	28	2	2	106	110	6300	9500	7500	12000	989	3317	6881
7026C	130	200	33	2	2	143	150	6000	9000	7500	12000	857	2720	5545
7026AC	130	200	33	2	2	137	143	5600	8500	6700	10000	1322	4358	8972
7028C	140	210	33	2	2	146	160	5600	8500	7000	11000	873	2775	5657
7028AC	140	210	33	2	2	140	150	5000	7500	6300	9500	1345	4446	9159
7030C	150	225	35	2.1	2.1	183	193	5300	8000	6700	10000	1111	3503	7142
7030AC	150	225	35	2.1	2.1	173	186	4800	7000	5600	8500	1705	5555	11417

01

BEARING TYPE IDENTIFICATION

72 series (standard type) inner diameter 10-130mm



Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
7200C	10	30	9	0.6	0.6	5.85	2.9	56000	85000	70000	110000	25	92	198
7200AC	10	30	9	0.6	0.6	5.6	2.8	50000	75000	60000	90000	31	139	312
7201C	12	32	10	0.6	0.6	7.65	3.9	50000	75000	63000	95000	35	124	264
7201AC	12	32	10	0.6	0.6	7.35	3.75	45000	67000	56000	85000	47	191	420
7202C	15	35	11	0.6	0.6	9.65	5	45000	67000	56000	85000	47	165	347
7202AC	15	35	11	0.6	0.6	9.3	4.8	40000	60000	48000	70000	65	256	555
7203C	17	40	12	0.6	0.6	10.8	5.85	38000	56000	50000	75000	53	186	391
7203AC	17	40	12	0.6	0.6	10.4	5.6	36000	53000	43000	63000	75	289	626
7204C	20	47	14	1	1	14.6	8.15	32000	48000	43000	63000	74	252	527
7204AC	20	47	14	1	1	14	7.8	30000	45000	36000	53000	105	393	843
7205C	25	52	15	1	1	15.6	9.3	28000	43000	36000	53000	79	269	562
7205AC	25	52	15	1	1	15	9	26000	40000	32000	48000	113	420	901
7206C	30	62	16	1	1	23.2	14.6	24000	38000	30000	45000	122	412	856
7206AC	30	62	16	1	1	22	14	22000	36000	26000	40000	175	637	1357
7207C	35	72	17	1.1	1.1	25.5	18	20000	34000	26000	40000	136	454	942
7207AC	35	72	17	1.1	1.1	24.5	17	19000	32000	22000	36000	197	714	1521
7208C	40	80	18	1.1	1.1	32	22.4	18000	30000	24000	38000	176	584	1204
7208AC	40	80	18	1.1	1.1	30.5	21.6	17000	28000	20000	34000	259	912	1925
7209C	45	85	19	1.1	1.1	33.5	24.5	17000	28000	22000	36000	184	607	1252
7209AC	45	85	19	1.1	1.1	32	23.6	15000	24000	18000	30000	270	955	2016
7210C	50	90	20	1.1	1.1	43	31.5	16000	26000	20000	34000	242	792	1631
7210AC	50	90	20	1.1	1.1	40.5	30.5	14000	22000	17000	28000	355	1230	2583
7211C	55	100	21	1.5	1.5	46.5	37.5	14000	22000	18000	30000	261	849	1750
7211AC	55	100	21	1.5	1.5	44	35.5	13000	20000	15000	24000	381	1331	2797
7212C	60	110	22	1.5	1.5	55	44	13000	20000	16000	26000	315	1022	2100

Designation	Dimensions (mm)					Rating(KN)		speed (r/min)		Ceramic ball rotation speed (r/min)(r/min)		preload(N)		
	d	D	B	r	r1	Cr	Cor	fat	oil	fat	oil	light	Chinese	Heavy
7212AC	60	110	22	1.5	1.5	52	42.5	12000	19000	14000	22000	467	1599	3333
7213C	65	120	23	1.5	1.5	57	48	12000	19000	15000	24000	325	1051	2163
7213AC	65	120	23	1.5	1.5	54	45.5	11000	18000	13000	20000	482	1656	3455
7214C	70	125	24	1.5	1.5	69.5	58.5	11000	18000	14000	22000	404	1301	2664
7214AC	70	125	24	1.5	1.5	65.5	56	10000	17000	12000	19000	600	2030	4233
7215C	75	130	25	1.5	1.5	72	63	11000	18000	14000	22000	416	1346	2757
7215AC	75	130	25	1.5	1.5	68	60	9500	16000	12000	19000	619	2103	4389
7216C	80	140	26	2	2	73.5	68	10000	17000	12000	19000	424	1354	2701
7216AC	80	140	26	2	2	71	64	9000	15000	11000	18000	662	2249	4899
7217C	85	150	28	2	2	96.5	85	9000	15000	11000	18000	573	1825	3734
7217AC	85	150	28	2	2	91.5	80	8000	13000	10000	17000	869	2889	5972
7218C	90	160	30	2	2	122	104	8500	14000	11000	18000	738	2332	4746
7218AC	90	160	30	2	2	116	100	7500	12000	9000	15000	1136	3717	7651
7219C	95	170	32	2.1	2.1	127	114	8000	13000	10000	17000	768	2426	4937
7219AC	95	170	32	2.1	2.1	122	108	7000	11000	8500	14000	1193	3906	8042
7220C	100	180	34	2.1	2.1	132	122	7500	12000	9500	16000	796	2519	5128
7220AC	100	180	34	2.1	2.1	125	116	6700	10000	8000	13000	1217	3994	8229
7221C	105	190	36	2.1	2.1	163	146	7000	11000	9000	15000	997	3140	6377
7221AC	105	190	36	2.1	2.1	156	140	6300	9500	7500	12000	1558	5040	10337
7222C	110	200	38	2.1	2.1	163	150	6700	10000	8500	14000	997	3139	6376
7222AC	110	200	38	2.1	2.1	153	143	6000	9000	7000	11000	1525	4939	10131
7224C	120	215	40	2.1	2.1	204	196	6000	9000	7500	12000	1269	3957	8038
7224AC	120	215	40	2.1	2.1	196	186	5300	8000	6300	9500	2003	6418	13107
7226C	130	230	40	3	3	212	216	5600	8500	7000	11000	1316	4108	8347
7226AC	130	230	40	3	3	204	204	5000	7500	6000	9000	2079	6671	13628

SDVV®

Tapered roller bearing

Kegelrollenlager

Tapered roller bearings belong to separate type bearings, and both the inner and outer rings of the bearings have tapered raceways. This type of bearing is divided into different structural types based on the number of rows of installed rollers, such as single row, double row, and four row tapered roller bearings. Single row tapered roller bearings can withstand radial loads and axial loads in a single direction. When the bearing is subjected to radial load, an axial component will be generated, so another bearing that can withstand the opposite axial force is needed for balance.

Kegelrollenlager gehören zu getrennten Lagertypen, und sowohl die Innen- als auch die Außenringe der Lager haben Kegellaufbahnen. Diese Art von Lager ist basierend auf der Anzahl der Reihen der installierten Rollen, wie Einzelreihe, Doppelreihe und vier Reihen konische Rollenlager, in verschiedene Konstruktionstypen unterteilt. Einreihige Kegelrollenlager können radialen und axialen Belastungen in einer Richtung standhalten. Wenn das Lager einer radialen Belastung ausgesetzt wird, wird ein Axialbauteil erzeugt, so dass für das Gleichgewicht ein anderes Lager benötigt wird, das der entgegengesetzten Axialkraft standhalten kann.

Tapered roller bearing
Kegelrollenlager

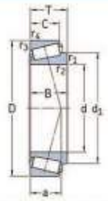


Applicable fields

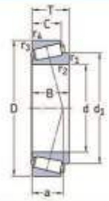
automobile	cement
Mining machinery	Heavy duty truck
metallurgy	
Plastic machinery	
Steel mill	

Tapered roller bearing

KEGELROLLENLAGER



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
302 series											
30200	10	30	9	8	7	0.6	10.2	11.5	14000	18000	0.02
30201	12	32	10	9	8	0.6	12.8	14.5	13000	17000	0.024
30202	15	35	11	10	9	0.6	14.3	15	11000	15000	0.03
30203	17	40	13.25	12	10	1	19.5	20.8	9500	13000	0.042
30204	20	47	15.25	14	11	1	27	29.5	8500	11000	0.065
30205	25	52	16.25	15	11	1	32	35	7500	9500	0.082
30206	30	62	17.25	16	11	1	43.2	48	6300	8000	0.12
30207	35	72	18.25	17	12	1	54.2	60	5600	7000	0.17
30208	40	80	19.75	18	13	1.5	63.8	70	5000	6300	0.22
30209	45	85	20.75	19	13	1.5	81.6	76.5	4800	6000	0.25
30210	50	90	21.75	20	14	1.5	93	77	4500	5600	0.29
30211	55	100	22.75	21	14	1.5	111	93	4000	5000	0.36
30212	60	110	23.75	22	15	1.5	128	108	3600	4500	0.44
30213	65	120	24.75	23	15	2	145	122	3200	4000	0.52
30214	70	125	26.25	24	16	2	152	132	3000	3800	0.6
30215	75	130	27	25	16	2	162	140	2800	3600	0.65
30216	80	140	28.25	26	17	2	180	155	2600	3400	0.78
30217	85	150	30.25	28	18	2.5	208	180	2400	3200	0.95
30218	90	155	31.5	29	19	2.5	224	195	2200	3000	1.05
30219	95	160	32.5	30	19	2.5	240	210	2000	2800	1.15
30220	100	170	34	31	20	2.5	265	230	1900	2600	1.3
30221	105	190	36.5	33	22	3	310	275	1700	2400	1.7
30222	110	200	38	35	23	3	340	305	1600	2200	1.95
30224	120	215	40	37	24	3	390	350	1400	2000	2.4
30226	130	230	41.5	38	25	3	440	395	1300	1800	2.9
30228	140	250	42.5	39	26	3	490	440	1200	1700	3.5
30230	150	270	45	41	27	3	550	500	1100	1600	4.2
30232	160	290	48	44	29	3	620	570	1000	1500	5.1
30234	170	310	52	48	31	3	690	640	900	1400	6.2
30236	180	320	52	48	31	3	720	670	850	1300	6.8
30238	190	340	55	51	33	3	763	1000	800	1200	7.8
30240	200	360	58	54	35	3	850	1050	750	1100	9
30242	210	380	62	58	37	3	920	1120	700	1000	10.2
30244	220	400	65	61	39	3	990	1200	650	900	11.5



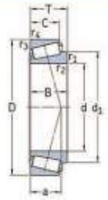
Tapered roller bearing

KEGELROLLENLAGER

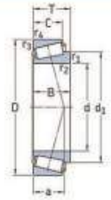
Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
303 series											
30302	15	42	13.25	11	11	1	29.2	30	9000	12000	0.065
30303	17	47	14.25	12	12	1	35.2	37.2	8500	11000	0.082
30304	20	52	15.25	13	13	1.5	43.2	46.2	8000	10000	0.105
30305	25	62	17.25	15	15	1.5	63	70	7000	9000	0.17
30306	30	72	19.25	16	16	1.5	81.5	92	6000	7500	0.245
30307	35	80	21	18	18	2	95.8	110	5300	6700	0.32
30308	40	90	23	20	20	2	122	145	4800	6000	0.44
30309	45	100	25	22	22	2	145	175	4300	5300	0.58
30310	50	110	27	23	23	2.5	168	205	3800	4800	0.74
30311	55	120	29	25	25	2.5	192	235	3400	4300	0.92
30312	60	130	31	26	26	2.5	220	270	3200	4000	1.12
30313	65	140	33	28	28	3	248	305	2800	3600	1.35
30314	70	150	35	30	30	3	278	345	2600	3400	1.6
30315	75	160	37	31	31	3	308	385	2400	3200	1.87
30316	80	170	39	33	33	3	340	430	2200	3000	2.17
30317	85	180	41	34	34	3.5	375	480	2000	2800	2.5
30318	90	190	43	36	36	3.5	410	530	1900	2600	2.86
30319	95	200	45	38	38	3.5	450	590	1800	2400	3.25
30320	100	215	47	39	39	3.5	500	660	1600	2200	3.85
30322	110	240	50	42	42	4	580	780	1400	1900	4.9
30324	120	260	55	46	46	4	680	930	1200	1700	6.2
30326	130	280	58	49	49	4	780	1080	1100	1500	7.5
30328	140	300	62	51	51	4	880	1250	1000	1400	8.9
30330	150	320	65	54	54	4	980	1420	900	1300	10.5
30332	160	340	68	57	57	5	1080	1600	850	1200	12.2
30334	170	360	72	60	60	5	1200	1800	800	1100	14.1
30336	180	380	75	62	62	5	1320	2000	750	1000	16.1
30338	190	400	78	65	65	5	1450	2220	700	950	18.2
30340	200	420	82	67	67	5	1580	2450	670	900	20.5
30344	220	460	88	73	73	5	1850	2900	600	800	25.5
30348	240	500	95	78	78	5	2150	3400	530	700	31.5
30352	260	540	102	84	84	5	2500	4000	480	630	38.5

Tapered roller bearing

KEGELROLLENLAGER



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C₀r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
322 series											
32203	17	40	13.25	12	10	1	19.5	20.8	9500	13000	0.042
32204	20	47	15.25	14	11	1	27	29.5	8500	11000	0.065
32205	25	52	16.25	15	11	1	32	35	7500	9500	0.082
32206	30	62	17.25	16	11	1	43.2	48	6300	8000	0.12
32207	35	72	18.25	17	12	1	54.2	60	5600	7000	0.17
32208	40	80	19.75	18	13	1.5	63.8	70	5000	6300	0.22
32209	45	85	20.75	19	13	1.5	81.6	76.5	4800	6000	0.25
32210	50	90	21.75	20	14	1.5	93	77	4500	5600	0.29
32211	55	100	22.75	21	14	1.5	111	93	4000	5000	0.36
32212	60	110	23.75	22	15	1.5	128	108	3600	4500	0.44
32213	65	120	24.75	23	15	2	145	122	3200	4000	0.52
32214	70	125	26.25	24	16	2	152	132	3000	3800	0.6
32215	75	130	27	25	16	2	162	140	2800	3600	0.65
32216	80	140	28.25	26	17	2	180	155	2600	3400	0.78
32217	85	150	30.25	28	18	2.5	208	180	2400	3200	0.95
32218	90	155	31.5	29	19	2.5	224	195	2200	3000	1.05
32219	95	160	32.5	30	19	2.5	240	210	2000	2800	1.15
32220	100	170	34	31	20	2.5	265	230	1900	2600	1.3
32221	105	190	36.5	33	22	3	310	275	1700	2400	1.7
32222	110	200	38	35	23	3	340	305	1600	2200	1.95
32224	120	215	40	37	24	3	390	350	1400	2000	2.4
32226	130	230	41.5	38	25	3	440	395	1300	1800	2.9
32228	140	250	42.5	39	26	3	490	440	1200	1700	3.5
32230	150	270	45	41	27	3	550	500	1100	1600	4.2
32232	160	290	48	44	29	3	620	570	1000	1500	5.1
32234	170	310	52	48	31	3	690	640	900	1400	6.2
32236	180	320	52	48	31	3	720	670	850	1300	6.8
32238	190	340	55	51	33	3	763	1000	800	1200	7.8
32240	200	360	58	54	35	3	850	1050	750	1100	9
32244	220	400	65	61	39	3	990	1200	650	900	11.5
32248	240	440	72	67	43	3	1150	1400	580	800	14.8
32252	260	480	78	73	46	4	1320	1650	520	700	18.5



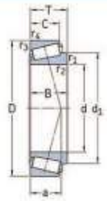
Tapered roller bearing

KEGELROLLENLAGER

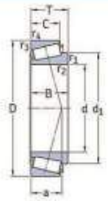
Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C₀r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
323 series											
32303	17	47	16.25	14	13	1	35.2	37.2	8500	11000	0.082
32304	20	52	18.25	15	14	1.5	43.2	46.2	8000	10000	0.105
32305	25	62	20.25	17	16	1.5	63	70	7000	9000	0.17
32306	30	72	22.25	19	18	1.5	81.5	92	6000	7500	0.245
32307	35	80	24	21	19	2	95.8	110	5300	6700	0.32
32308	40	90	25	22	20	2	122	145	4800	6000	0.44
32309	45	100	27	24	22	2	145	175	4300	5300	0.58
32310	50	110	29	25	23	2.5	168	205	3800	4800	0.74
32311	55	120	31	27	25	2.5	192	235	3400	4300	0.92
32312	60	130	33	28	26	2.5	220	270	3200	4000	1.12
32313	65	140	35	30	28	3	248	305	2800	3600	1.35
32314	70	150	37	32	30	3	278	345	2600	3400	1.6
32315	75	160	39	33	31	3	308	385	2400	3200	1.87
32316	80	170	41	35	33	3	340	430	2200	3000	2.17
32317	85	180	43	36	34	3.5	375	480	2000	2800	2.5
32318	90	190	45	38	36	3.5	410	530	1900	2600	2.86
32319	95	200	47	40	38	3.5	450	590	1800	2400	3.25
32320	100	215	49	41	39	3.5	500	660	1600	2200	3.85
32322	110	240	53	44	42	4	580	780	1400	1900	4.9
32324	120	260	56	46	44	4	680	930	1200	1700	6.2
32326	130	280	59	49	47	4	780	1080	1100	1500	7.5
32328	140	300	63	51	49	4	880	1250	1000	1400	8.9
32330	150	320	65	54	51	4	980	1420	900	1300	10.5
32332	160	340	68	57	54	5	1080	1600	850	1200	12.2
32334	170	360	72	60	57	5	1200	1800	800	1100	14.1
32336	180	380	75	62	59	5	1320	2000	750	1000	16.1
32338	190	400	78	65	62	5	1450	2220	700	950	18.2
32340	200	420	82	67	64	5	1580	2450	670	900	20.5
32344	220	460	88	73	69	5	1850	2900	600	800	25.5
32348	240	500	95	78	74	5	2150	3400	530	700	31.5
32352	260	540	102	84	80	5	2500	4000	480	630	38.5

Tapered roller bearing

KEGELROLLENLAGER



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
320 series											
32004	20	42	14	12	10	1	28.2	31.5	8500	11000	0.062
32005	25	47	15	13	11	1	32.8	37.2	7500	9500	0.078
32006	30	55	17	15	12	1	47.5	55	6300	8000	0.12
32007	35	62	18	16	13	1.5	56.8	66.5	5600	7000	0.16
32008	40	68	19	17	14	1.5	65.5	78	5000	6300	0.2
32009	45	75	20	18	15	1.5	76.2	92	4500	5600	0.25
32010	50	80	21	19	16	1.5	82.5	98.5	4300	5300	0.29
32011	55	90	23	21	17	2	102	125	3800	4800	0.38
32012	60	95	24	22	18	2	110	135	3600	4500	0.42
32013	65	100	25	23	19	2	118	145	3400	4300	0.47
32014	70	110	27	25	20	2	142	175	3000	3800	0.58
32015	75	115	28	26	21	2	150	185	2800	3600	0.63
32016	80	125	31	28	23	2.5	178	220	2600	3400	0.78
32017	85	130	32	29	24	2.5	188	235	2400	3200	0.85
32018	90	140	35	31	26	2.5	222	275	2200	3000	1.02
32019	95	145	36	32	27	2.5	232	290	2000	2800	1.1
32020	100	150	37	33	28	2.5	242	305	1900	2600	1.18
32021	105	160	40	35	30	3	278	350	1800	2400	1.38
32022	110	170	42	37	31	3	312	395	1700	2200	1.58
32024	120	180	44	39	33	3	348	440	1500	2000	1.85
32026	130	190	45	40	34	3	372	475	1400	1800	2.1
32028	140	200	48	42	36	3	418	530	1300	1700	2.45
32030	150	215	52	45	38	3	478	605	1200	1600	2.9
32032	160	225	54	47	40	3	512	650	1100	1500	3.25
32034	170	235	56	49	41	3	548	695	1000	1400	3.65
32036	180	250	58	51	43	3	602	765	950	1300	4.2
32038	190	260	60	53	44	3	648	820	900	1200	4.7
32040	200	270	63	55	46	3	702	890	850	1100	5.3
32044	220	300	67	59	49	3	812	1040	750	1000	6.6
32048	240	320	72	63	52	3	928	1200	670	900	8.1
32052	260	340	74	65	54	3	988	1280	630	850	9.2
32056	280	360	78	69	57	3	1080	1400	580	800	10.5
32060	300	380	82	73	60	3	1180	1550	530	750	12
32064	320	400	85	76	62	3	1260	1650	500	700	13.5



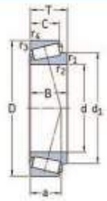
Tapered roller bearing

KEGELROLLENLAGER

Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
329 series											
32904	20	37	10	8	8	0.6	18.5	20.8	10000	13000	0.032
32905	25	42	11	9	9	0.6	22.8	26.2	9000	12000	0.042
32906	30	47	11	9	9	0.6	26.5	31	8500	11000	0.05
32907	35	55	13	11	11	1	37.2	44.5	7500	10000	0.078
32908	40	62	14	12	12	1	45.5	55	6700	8500	0.105
32909	45	68	15	13	13	1	52.8	64.2	6300	8000	0.132
32910	50	72	15	13	13	1	56.5	69	6000	7500	0.145
32911	55	80	16	14	14	1.5	68.2	83.5	5300	7000	0.185
32912	60	85	17	15	15	1.5	75.5	92.8	5000	6300	0.21
32913	65	90	17	15	15	1.5	82	100	4800	6000	0.235
32914	70	95	18	16	16	1.5	89.5	108	4500	5600	0.265
32915	75	100	18	16	16	1.5	96.2	115	4300	5300	0.29
32916	80	105	18	16	16	1.5	102	122	4000	5000	0.315
32917	85	110	19	17	17	2	108	130	3800	4800	0.345
32918	90	120	21	18	18	2	128	155	3400	4300	0.42
32919	95	125	22	19	19	2	138	168	3200	4000	0.46
32920	100	130	22	19	19	2	145	175	3000	3800	0.49
32921	105	140	24	21	21	2	168	205	2800	3600	0.58
32922	110	145	24	21	21	2	175	215	2600	3400	0.615
32924	120	155	25	22	22	2	192	235	2400	3200	0.695
32926	130	170	28	24	24	2.5	232	285	2200	3000	0.85
32928	140	180	28	24	24	2.5	250	305	2000	2800	0.92
32930	150	190	30	26	26	2.5	280	345	1900	2600	1.05
32932	160	200	31	27	27	2.5	305	375	1800	2400	1.18
32934	170	210	32	28	28	3	330	410	1700	2200	1.32
32936	180	225	35	30	30	3	375	465	1600	2000	1.52
32938	190	235	36	31	31	3	405	505	1500	1900	1.68
32940	200	250	38	33	33	3	450	565	1400	1800	1.9
32944	220	270	40	35	35	3	510	650	1200	1600	2.3
32948	240	300	44	38	38	3	620	785	1100	1500	2.95
32952	260	320	46	40	40	3	680	865	1000	1400	3.5
32956	280	340	48	42	42	3	750	960	900	1300	4.05
32960	300	360	50	44	44	3	820	1050	850	1200	4.65
32964	320	380	52	46	46	3	890	1150	800	1100	5.3
32968	340	400	54	48	48	3	960	1250	750	1000	6

Tapered roller bearing

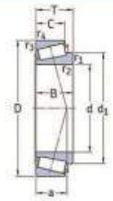
KEGELROLLENLAGER



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
330 series											
33005	25	52	20	18	15	1	47.2	56.5	6700	8500	0.145
33006	30	62	24	22	18	1.5	67.5	82.5	5600	7000	0.235
33007	35	72	28	25	21	1.5	88.2	108	5000	6300	0.345
33008	40	80	30	27	22	2	102	125	4500	5600	0.42
33009	45	85	32	29	23	2	112	138	4300	5300	0.48
33010	50	90	34	31	24	2	122	150	4000	5000	0.545
33011	55	100	37	33	26	2.5	145	180	3600	4500	0.68
33012	60	110	40	36	28	2.5	168	210	3200	4000	0.82
33013	65	120	43	39	30	2.5	192	245	2800	3600	0.98
33014	70	125	45	41	31	2.5	205	265	2600	3400	1.08
33015	75	130	46	42	32	2.5	215	278	2400	3200	1.15
33016	80	140	49	44	34	3	242	315	2200	3000	1.35
33017	85	150	52	47	36	3	275	360	2000	2800	1.58
33018	90	155	54	49	37	3	292	385	1900	2600	1.68
33019	95	160	55	50	38	3	305	400	1800	2400	1.78
33020	100	170	58	53	40	3	342	450	1700	2200	2.05
33021	105	180	62	56	43	3.5	385	510	1600	2000	2.38
33022	110	190	65	59	45	3.5	422	560	1500	1900	2.68
33024	120	210	72	65	50	3.5	505	670	1300	1700	3.38
33026	130	225	76	69	53	3.5	572	760	1200	1600	4.05
33028	140	240	80	73	56	3.5	642	850	1100	1500	4.78
33030	150	250	82	75	57	3.5	685	900	1000	1400	5.25
331 series											
33108	40	90	32	29	23	2	128	158	4300	5300	0.52
33109	45	100	35	31	25	2	152	192	3800	4800	0.65
33110	50	110	38	34	27	2.5	178	225	3400	4300	0.79
33111	55	120	42	37	30	2.5	210	265	3000	3800	0.96
33112	60	130	45	40	32	2.5	242	310	2800	3600	1.15
33113	65	140	48	43	34	3	275	360	2600	3400	1.35
33114	70	150	51	45	36	3	310	410	2400	3200	1.58
33115	75	160	54	48	38	3	345	460	2200	3000	1.82
33116	80	170	58	51	41	3	385	520	2000	2800	2.1

Tapered roller bearing

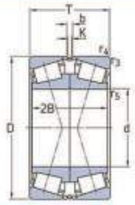
KEGELROLLENLAGER



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
33117	85	180	61	54	43	3.5	425	580	1900	2600	2.38
33118	90	190	64	56	45	3.5	465	640	1800	2400	2.68
33119	95	200	67	59	47	3.5	505	700	1700	2200	3
33120	100	215	72	63	50	3.5	560	780	1600	2000	3.45
33122	110	240	80	70	56	3.5	670	950	1400	1800	4.35
33124	120	260	86	76	60	4	780	1120	1300	1700	5.35
313 series											
31305	25	62	18.25	16	13	1.5	60.8	71.5	6700	8500	0.18
31306	30	72	20.75	18	15	1.5	81.8	98.5	5600	7000	0.265
31307	35	80	22.75	20	16	2	98.8	120	5000	6300	0.34
31308	40	90	25.25	22	18	2	128	155	4500	5600	0.46
31309	45	100	27.25	24	19	2	152	185	4000	5000	0.59
31310	50	110	29.25	25	21	2.5	178	220	3600	4500	0.74
31311	55	120	31.5	27	22	2.5	205	255	3200	4000	0.91
31312	60	130	33.5	28	23	2.5	232	290	3000	3800	1.08
31313	65	140	36	30	25	3	262	330	2800	3600	1.28
31314	70	150	38	32	26	3	292	370	2600	3400	1.5
31315	75	160	40	33	27	3	325	415	2400	3200	1.73
31316	80	170	42.5	35	29	3	360	465	2200	3000	1.98
31317	85	180	44.5	36	30	3.5	395	515	2000	2800	2.25
31318	90	190	46.5	38	31	3.5	432	570	1900	2600	2.53
31319	95	200	49	40	33	3.5	472	630	1800	2400	2.85
31320	100	215	51.5	42	34	3.5	520	700	1600	2200	3.3
31322	110	240	56	45	37	4	615	825	1400	1900	4.15
31324	120	260	60	48	40	4	720	965	1200	1700	5.15
31326	130	280	64	52	43	4	825	1110	1100	1500	6.25
31328	140	300	68	55	46	4	940	1270	1000	1400	7.45
31330	150	320	72	58	48	4	1050	1430	900	1300	8.75
31332	160	340	76	62	51	5	1180	1620	850	1200	10.2
31334	170	360	80	65	53	5	1300	1800	800	1100	11.7
31336	180	380	85	68	56	5	1450	2020	750	1000	13.4

Double row tapered roller bearing series

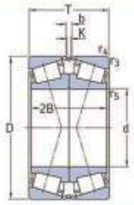
DOPPELREIHE KONISCHE ROLLENLAGER SERIE



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
3520 series											
352004	20	42	16	14	12	1	32.5	38.2	8000	10000	0.075
352005	25	47	18	15	13	1	38.8	46.5	7000	9000	0.098
352006	30	55	20	17	15	1.5	52.5	63.8	6300	8000	0.152
352007	35	62	22	19	16	1.5	65.2	79.5	5600	7000	0.205
352008	40	68	24	21	18	1.5	78.5	96.2	5000	6300	0.268
352009	45	75	26	23	20	1.5	92.8	115	4500	5600	0.342
352010	50	80	27	24	21	1.5	98.5	122	4300	5300	0.385
352011	55	90	30	26	23	2	125	155	3800	4800	0.495
352012	60	95	31	27	24	2	132	165	3600	4500	0.548
352013	65	100	32	28	25	2	140	175	3400	4300	0.605
352014	70	110	35	31	27	2	172	215	3000	3800	0.745
352015	75	115	36	32	28	2	180	225	2800	3600	0.802
352016	80	125	39	34	30	2.5	215	268	2600	3400	0.985
352017	85	130	40	35	31	2.5	225	282	2400	3200	1.06
352018	90	140	43	38	33	2.5	265	332	2200	3000	1.28
352019	95	145	44	39	34	2.5	275	348	2000	2800	1.37
352020	100	150	45	40	35	2.5	285	365	1900	2600	1.46
352021	105	160	48	43	37	3	328	418	1800	2400	1.72
352022	110	170	50	45	39	3	365	468	1700	2200	1.95
352024	120	180	52	47	41	3	405	522	1500	2000	2.28
352026	130	190	54	49	42	3	438	572	1400	1800	2.58
352028	140	200	56	51	44	3	485	635	1300	1700	2.95
352030	150	215	60	55	47	3	552	722	1200	1600	3.52
352032	160	225	62	57	49	3	592	778	1100	1500	3.95
352034	170	235	64	59	50	3	635	835	1000	1400	4.42
352036	180	250	66	61	52	3	692	912	950	1300	5.05
352038	190	260	68	63	53	3	742	982	900	1200	5.62
352040	200	270	71	66	55	3	805	1065	850	1100	6.32
352044	220	300	76	71	59	3	935	1255	750	1000	7.85
352048	240	320	81	76	63	3	1075	1465	670	900	9.62
352052	260	340	83	78	65	3	1145	1565	630	850	10.85
352056	280	360	87	82	68	3	1255	1725	580	800	12.35
352060	300	380	91	86	71	3	1375	1905	530	750	14.05
352064	320	400	94	89	73	3	1465	2035	500	700	15.85
352068	340	420	97	92	75	3	1565	2175	480	670	17.82
352072	360	440	100	95	77	3	1665	2325	450	630	19.95

Double row tapered roller bearing series

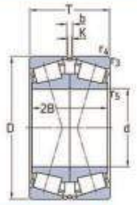
DOPPELREIHE KONISCHE ROLLENLAGER SERIE



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
352076	380	460	103	98	79	3	1775	2485	430	600	22.25
352080	400	480	106	101	81	3	1885	2655	400	560	24.72
3521 series											
352122	110	180	56	49	41	3	445	582	1500	2000	4.85
352124	120	190	58	51	43	3	492	652	1400	1800	5.62
352126	130	200	60	53	45	3	542	725	1300	1700	6.45
352128	140	215	65	57	48	3	615	822	1200	1600	7.65
352130	150	225	67	59	50	3	665	892	1100	1500	8.52
352132	160	240	72	63	53	3.5	745	1005	1000	1400	9.85
352134	170	250	74	65	55	3.5	798	1085	950	1300	10.95
352136	180	260	76	67	56	3.5	852	1168	900	1200	12.12
352138	190	270	78	69	58	3.5	908	1255	850	1100	13.35
352140	200	280	82	73	61	3.5	985	1365	800	1000	14.82
352144	220	300	86	77	64	3.5	1105	1565	750	900	17.65
352148	240	320	90	81	67	3.5	1235	1785	670	850	20.85
352152	260	340	95	86	71	3.5	1385	2025	630	800	24.35
3529 series											
352916	80	110	25	22	18	1.5	122	158	3200	4000	0.58
352917	85	115	26	23	19	1.5	132	172	3000	3800	0.64
352918	90	120	27	24	20	2	142	188	2800	3600	0.705
352919	95	125	28	25	21	2	152	202	2600	3400	0.775
352920	100	130	29	26	22	2	162	218	2500	3200	0.85
352921	105	140	31	28	23	2	185	252	2300	3000	1.02
352922	110	145	32	29	24	2	195	268	2200	2800	1.105
352924	120	155	34	31	25	2	218	305	2000	2600	1.28
352926	130	170	37	33	27	2.5	252	352	1800	2400	1.58
352928	140	180	39	35	29	2.5	278	392	1700	2200	1.78
352930	150	190	41	37	30	2.5	305	435	1600	2000	2.02
352932	160	200	43	39	32	2.5	332	482	1500	1900	2.28
352934	170	210	45	41	33	3	362	532	1400	1800	2.56
352936	180	225	48	43	35	3	402	595	1300	1700	2.95
352938	190	235	50	45	36	3	435	652	1200	1600	3.32
352940	200	250	52	47	38	3	472	715	1100	1500	3.75
352944	220	270	56	51	41	3	545	835	1000	1400	4.65
352948	240	300	62	56	45	3	642	985	900	1300	5.95
352952	260	320	65	59	47	3	705	1085	850	1200	6.95
352956	280	340	68	62	49	3	772	1195	800	1100	8.05

Double row tapered roller bearing series

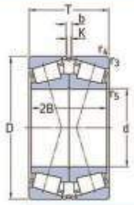
DOPPELREIHE KONISCHE ROLLENLAGER SERIE



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
352960	300	360	72	65	52	3	845	1315	750	1000	9.25
352964	320	380	75	68	54	3	912	1435	700	950	10.55
352968	340	400	78	71	56	3	985	1565	650	900	11.95
352972	360	420	82	75	59	3	1065	1705	600	850	13.45
3513 series											
351305	25	62	24	21	17	1.5	72.5	88.2	6000	7500	0.245
351306	30	72	28	24	20	1.5	98.5	120	5300	6700	0.365
351307	35	80	31	26	22	2	118	145	4800	6000	0.465
351308	40	90	35	29	24	2	145	180	4300	5300	0.62
351309	45	100	38	32	26	2	172	215	3800	4800	0.795
351310	50	110	42	35	29	2.5	202	255	3400	4300	0.995
351311	55	120	45	38	31	2.5	232	295	3000	3800	1.22
351312	60	130	48	40	33	2.5	265	340	2800	3600	1.46
351313	65	140	51	43	35	3	298	385	2600	3400	1.72
351314	70	150	54	45	37	3	332	435	2400	3200	2
351315	75	160	58	48	40	3	372	490	2200	3000	2.32
351316	80	170	61	51	42	3	412	550	2000	2800	2.65
351317	85	180	64	53	44	3.5	455	615	1900	2600	3.02
351318	90	190	67	56	46	3.5	500	685	1800	2400	3.42
351319	95	200	71	59	49	3.5	550	760	1700	2200	3.85
351320	100	215	75	63	52	3.5	605	845	1600	2000	4.42
351322	110	240	83	70	58	3.5	725	1020	1400	1800	5.55
351324	120	260	90	76	63	4	855	1220	1200	1600	6.85
351326	130	280	96	82	68	4	995	1430	1100	1500	8.32
351328	140	300	102	88	73	4	1145	1660	1000	1400	9.95
351330	150	320	108	94	78	4	1305	1920	900	1300	11.75
3502 series											
350205	25	52	20	18	15	1	48.5	58.2	6700	8500	0.155
350206	30	62	24	22	18	1.5	69.5	85.2	5600	7000	0.245
350207	35	72	28	25	21	1.5	91.5	112	5000	6300	0.355
350208	40	80	30	27	22	2	105	130	4500	5600	0.435
350209	45	85	32	29	23	2	115	142	4300	5300	0.495
350210	50	90	34	31	24	2	125	155	4000	5000	0.56
350211	55	100	37	33	26	2.5	148	185	3600	4500	0.7
350212	60	110	40	36	28	2.5	172	215	3200	4000	0.85
350213	65	120	43	39	30	2.5	198	252	2800	3600	1.02
350214	70	125	45	41	31	2.5	212	272	2600	3400	1.12

Double row tapered roller bearing series

DOPPELREIHE KONISCHE ROLLENLAGER SERIE



Bearing Model	Dimensions/(mm)					chamfer	Cr(kN)	C0r(kN)	Grease	Oil	Weight
	d	D	T	B	C	r(min)			(r/min)	(r/min)	(Kg)
350215	75	130	46	42	32	2.5	222	285	2400	3200	1.2
350216	80	140	49	44	34	3	250	325	2200	3000	1.4
350217	85	150	52	47	36	3	285	375	2000	2800	1.64
350218	90	155	54	49	37	3	302	400	1900	2600	1.75
350219	95	160	55	50	38	3	315	415	1800	2400	1.86
350220	100	170	58	53	40	3	352	465	1700	2200	2.13
350222	110	190	65	59	45	3.5	435	572	1500	2000	2.75
350224	120	210	72	65	50	3.5	522	695	1300	1700	3.52
350226	130	225	76	69	53	3.5	592	785	1200	1600	4.2
350228	140	240	80	73	56	3.5	665	885	1100	1500	4.98
3522 series											
352208	40	80	32	28	23	2	112	142	4500	5600	0.455
352209	45	85	34	30	24	2	125	158	4300	5300	0.525
352210	50	90	35	31	25	2	132	168	4000	5000	0.58
352211	55	100	38	33	27	2.5	158	202	3600	4500	0.72
352212	60	110	42	36	30	2.5	185	238	3200	4000	0.895
352213	65	120	45	39	32	2.5	212	278	2800	3600	1.08
352214	70	125	46	40	33	2.5	222	292	2600	3400	1.17
352215	75	130	47	41	34	2.5	232	308	2400	3200	1.26
352216	80	140	50	43	36	3	265	348	2200	3000	1.48
352217	85	150	53	46	38	3	298	395	2000	2800	1.72
352218	90	155	54	47	39	3	308	412	1900	2600	1.83
352219	95	160	55	48	40	3	318	428	1800	2400	1.95
352220	100	170	58	51	42	3	355	478	1700	2200	2.23
352222	110	190	65	57	47	3.5	442	592	1500	2000	2.88
352224	120	210	72	63	53	3.5	542	725	1300	1700	3.72
352226	130	225	76	67	56	3.5	615	822	1200	1600	4.48
352228	140	240	80	71	59	3.5	692	928	1100	1500	5.32
352230	150	250	82	73	60	3.5	732	985	1000	1400	6.05
352232	160	270	88	78	64	3.5	825	1120	950	1300	7.25
352234	170	280	90	80	65	4	875	1195	900	1200	8.02
352236	180	300	96	85	69	4	985	1345	850	1100	9.35
352238	190	310	98	87	70	4	1035	1425	800	1000	10.25
352240	200	320	100	89	72	4	1085	1505	750	950	11.2
352244	220	340	105	94	76	4	1205	1695	700	900	13.25
352248	240	360	108	97	78	4	1285	1825	670	850	15.35
352252	260	380	112	100	80	4	1385	1985	630	800	17.55

SDVV®

Thrust ball bearing

Schubkugellager

The thrust ball bearing adopts a design that can withstand thrust loads during high-speed operation, and is composed of a washer like ring with a ball rolling raceway groove. Due to the cushion shaped collar, thrust ball bearings are divided into two types: flat bottom cushion type and self-aligning spherical cushion type. In addition, this type of bearing can withstand axial loads, but cannot withstand radial loads.

Das Schubkugellager nimmt eine Konstruktion an, die Drucklasten während des Hochgeschwindigkeitsbetriebs standhalten kann, und besteht aus einem Scheiben-ähnlichen Ring mit einer Kugelrollenbahnnut. Aufgrund des kissenförmigen Kragens werden die Schubkugellager in zwei Arten unterteilt: Flachbodenkissen und selbstausrichtende Kugelkissen. Darüber hinaus kann diese Art von Lager axialen Belastungen standhalten, kann aber nicht radialen Belastungen standhalten.

Thrust ball bearing
Schubkugellager



Applicable fields

Precision machine tool

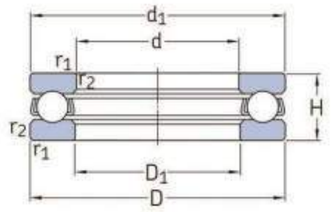
Vertical water pump

Low speed reducer

Thrust ball bearing

SCHUBKUGELLAGER

d 3-35mm

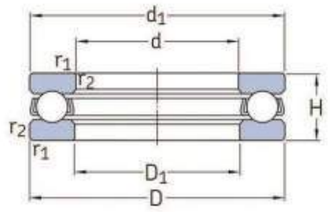


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
3	8	3.5	0.806	0.72	0.027	0.000003	26 000	36 000	0.0009	▸ **BA 3**
4	10	4	0.761	0.72	0.027	0.000003	22 000	30 000	0.0015	▸ **BA 4**
5	12	4	0.852	0.965	0.036	0.000005	20 000	28 000	0.0021	▸ **BA 5**
6	14	5	1.78	1.92	0.071	0.000019	17 000	24 000	0.0035	▸ **BA 6**
7	17	6	2.51	2.9	0.108	0.000044	14 000	19 000	0.0065	▸ **BA 7**
8	19	7	3.19	3.8	0.143	0.000075	12 000	17 000	0.0091	▸ **BA 8**
9	20	7	3.12	3.8	0.143	0.000075	12 000	16 000	0.01	▸ **BA 9**
10	24	9	9.95	15.3	0.56	0.0012	9 500	13 000	0.02	▸ **51100**
	26	11	12.7	18.6	0.695	0.0018	8 000	11 000	0.03	▸ **51200**
12	26	9	10.4	16.6	0.62	0.0014	9 000	13 000	0.022	▸ **51101**
	28	11	13.3	20.8	0.765	0.0022	8 000	11 000	0.034	▸ **51201**
15	28	9	10.6	18.3	0.67	0.0017	8 500	12 000	0.023	▸ **51102**
	32	12	15.9	25	0.915	0.0038	7 000	10 000	0.046	▸ **51202**
17	30	9	11.4	21.2	0.78	0.0023	8 500	12 000	0.025	▸ **51103**
	35	12	16.3	27	1	0.0047	6 700	9 500	0.053	▸ **51203**
20	35	10	15.1	29	1.08	0.0044	7 500	10 000	0.037	▸ **51104**
	40	14	21.2	37.5	1.4	0.0085	6 000	8 000	0.083	▸ **51204**
25	42	11	18.2	39	1.43	0.0079	6 300	9 000	0.056	▸ **51105**
	47	15	26.5	50	1.86	0.015	5 300	7 500	0.11	▸ **51205**
	52	18	34.5	60	2.24	0.018	4 500	6 300	0.17	▸ **51305**
	60	24	42.3	67	2.45	0.048	3 600	5 000	0.34	▸ **51405**
30	47	11	19	43	1.6	0.0096	6 000	8 500	0.063	▸ **51106**
	52	16	25.1	51	1.86	0.013	4 800	6 700	0.13	▸ **51206**
	60	21	35.8	65.5	2.4	0.026	3 800	5 300	0.26	▸ **51306**
	70	28	70.2	122	4.5	0.097	3 000	4 300	0.52	▸ **51406**
35	52	12	19.9	51	1.86	0.013	5 600	7 500	0.08	▸ **51107**
	62	18	35.1	73.5	2.7	0.028	4 000	5 600	0.22	▸ **51207**
	68	24	49.4	96.5	3.55	0.048	3 400	4 800	0.39	▸ **51307**
	80	32	76.1	137	5.1	0.15	2 600	3 600	0.79	▸ **51407**

Thrust ball bearing

SCHUBKUGELLAGER

d 40-75mm

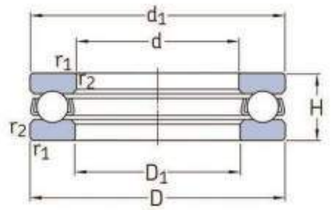


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
40	60	13	25.5	63	2.32	0.02	5 000	7 000	0.12	▸ **51108**
	68	19	44.2	96.5	3.6	0.058	3 800	5 300	0.28	▸ **51208**
	78	26	61.8	122	4.5	0.077	3 000	4 300	0.53	▸ **51308**
	90	36	95.6	183	6.8	0.26	2 400	3 400	1.1	▸ **51408**
45	65	14	26.5	69.5	2.55	0.025	4 500	6 300	0.14	▸ **51109**
	73	20	39	86.5	3.2	0.038	3 600	5 000	0.3	▸ **51209**
	85	28	76.1	153	5.6	0.12	2 800	4 000	0.66	▸ **51309**
	100	39	124	240	9	0.37	2 200	3 000	1.4	▸ **51409**
50	70	14	27	75	2.8	0.029	4 300	6 300	0.16	▸ **51110**
	78	22	49.4	116	4.3	0.069	3 400	4 500	0.37	▸ **51210**
	95	31	81.9	170	6.3	0.19	2 600	3 600	0.94	▸ **51310**
	110	43	159	340	12.5	0.6	2 000	2 800	2	▸ **51410**
55	78	16	30.2	81.5	3	0.039	3 800	5 300	0.23	▸ **51111**
	90	25	58.5	134	4.9	0.11	2 800	4 000	0.59	▸ **51211**
	105	35	101	224	8.3	0.26	2 200	3 200	1.3	▸ **51311**
	120	48	195	400	14.6	0.79	1 800	2 400	2.55	▸ **51411**
60	85	17	41.6	122	4.55	0.077	3 600	5 000	0.27	▸ **51112**
	95	26	59.2	140	5.1	0.12	2 800	3 800	0.65	▸ **51212**
	110	35	101	224	8.3	0.26	2 200	3 000	1.35	▸ **51312**
	130	51	199	430	16	0.96	1 600	2 200	3.1	▸ **51412 M**
65	90	18	37.7	108	4	0.06	3 400	4 800	0.33	▸ **51113**
	100	27	60.5	150	5.5	0.14	2 600	3 600	0.72	▸ **51213**
	115	36	106	240	8.8	0.3	2 000	3 000	1.5	▸ **51313**
	140	56	216	490	18	1.2	1 500	2 200	4	▸ **51413 M**
70	95	18	40.3	120	4.4	0.074	3 400	4 500	0.35	▸ **51114**
	105	27	62.4	160	5.85	0.16	2 600	3 600	0.79	▸ **51214**
	125	40	135	320	11.8	0.53	1 900	2 600	2	▸ **51314**
	150	60	234	550	19.3	1.6	1 400	2 000	5	▸ **51414 M**
75	100	19	44.2	134	4.9	0.11	3 200	4 300	0.4	▸ **51115**
	110	27	63.7	170	6.2	0.17	2 400	3 400	0.83	▸ **51215**
	135	44	163	390	14	0.79	1 700	2 400	2.6	▸ **51315**
	160	65	251	610	20.8	1.9	1 300	1 800	6.75	▸ **51415 M**

Thrust ball bearing

SCHUBKUGELLAGER

d 80-140mm

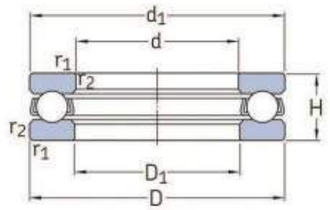


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
80	105	19	44.9	140	5.1	0.12	3 000	4 300	0.42	▸ **51116**
	115	28	76.1	208	7.65	0.22	2 400	3 400	0.91	▸ **51216**
	140	44	159	390	13.7	0.79	1 700	2 400	2.7	▸ **51316**
	170	68	302	750	25	2.3	1 200	1 700	7.95	▸ **51416 M**
85	110	19	44.9	146	5.4	0.14	3 000	4 300	0.44	▸ **51117**
	125	31	97.5	275	9.8	0.39	2 200	3 000	1.2	▸ **51217**
	150	49	174	405	14	1.1	1 600	2 200	3.55	▸ **51317**
	180	72	286	750	24	2.9	1 200	1 600	9.45	▸ **51417 M**
90	120	22	59.2	208	7.5	0.22	2 600	3 800	0.67	▸ **51118**
	135	35	112	290	10.4	0.55	2 000	2 800	1.7	▸ **51218**
	155	50	182	440	14.6	1.3	1 500	2 200	3.8	▸ **51318**
	190	77	307	815	25.5	3.5	1 100	1 500	11	▸ **51418 M**
100	135	25	80.6	265	9.15	0.44	2 400	3 200	0.97	▸ **51120**
	150	38	119	325	10.8	0.62	1 800	2 400	2.2	▸ **51220**
	170	55	225	570	18.3	1.9	1 400	1 900	4.95	▸ **51320**
	210	85	371	1 060	31.5	5.8	950	1 400	15	▸ **51420 M**
110	145	25	83.2	285	9.5	0.52	2 200	3 200	1.05	▸ **51122**
	160	38	125	365	11.6	0.79	1 700	2 400	2.4	▸ **51222**
	190	63	281	815	24.5	3.2	1 200	1 700	7.85	▸ **51322 M**
	230	95	410	1 220	34.5	7.7	900	1 300	20	**51422 M**
120	155	25	85.2	305	9.65	0.58	2 200	3 000	1.15	▸ **51124**
	170	39	127	390	11.8	1	1 600	2 200	2.65	▸ **51224**
	210	70	325	980	28.5	5	1 100	1 500	11	▸ **51324 M**
	250	102	432	1 320	36	16	800	1 100	25.5	**51424 M**
130	170	30	119	440	13.4	0.94	1 900	2 600	1.85	▸ **51126**
	190	45	186	585	17	1.8	1 400	2 000	4	▸ **51226**
	225	75	358	1 140	32	6.8	1 000	1 400	13	▸ **51326 M**
	270	110	520	1 730	45	16	750	1 000	32	**51426 M**
140	180	31	111	440	12.9	1	1 800	2 600	2.05	▸ **51128**
	200	46	190	620	17.6	2	1 400	1 900	4.35	▸ **51228**
	240	80	377	1 220	32.5	9.1	950	1 300	15.5	▸ **51328 M**
	280	112	520	1 730	44	16	700	1 000	34.5	**51428 M**

Thrust ball bearing

SCHUBKUGELLAGER

d 150-340mm

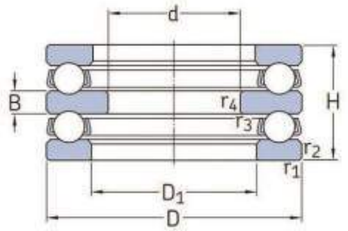


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
150	190	31	111	440	12.5	1	1 700	2 400	2.2	▸ **51130 M**
	215	50	238	800	22	3.3	1 300	1 800	6.1	▸ **51230 M**
	250	80	390	1 290	34	10	900	1 300	16.5	▸ **51330 M**
	300	120	559	1 960	48	20	670	950	42.5	**51430 M**
160	200	31	112	465	12.9	1.1	1 700	2 400	2.35	▸ **51132 M**
	225	51	238	830	22.4	3.8	1 200	1 700	6.55	▸ **51232 M**
	270	87	449	1 660	41.5	14	850	1 200	21	▸ **51332 M**
170	215	34	133	540	14.3	1.5	1 600	2 200	3.3	▸ **51134 M**
	240	55	270	930	24	5.4	1 200	1 700	8.15	▸ **51234 M**
	280	87	468	1 760	43	16	800	1 100	22	▸ **51334 M**
180	225	34	135	570	15	1.7	1 500	2 200	3.5	▸ **51136 M**
	250	56	302	1 120	28.5	6.1	1 200	1 600	8.6	▸ **51236 M**
	300	95	520	2 000	47.5	21	750	1 100	28.5	▸ **51336 M**
190	240	37	172	710	18	2.6	1 400	2 000	4.05	▸ **51138 M**
	270	62	332	1 270	31	8.4	1 100	1 600	12	▸ **51238 M**
	320	105	559	2 200	51	30	700	950	36.5	**51338 M**
200	250	37	168	710	17.6	2.6	1 400	1 900	4.25	▸ **51140 M**
	280	62	338	1 320	31.5	9.1	1 100	1 500	12	▸ **51240 M**
	340	110	624	2 600	58.5	35	630	900	44.5	**51340 M**
220	270	37	178	800	19	3.3	1 300	1 900	4.6	▸ **51144 M**
	300	63	358	1 460	33.5	11	950	1 300	13	▸ **51244 M**
240	300	45	234	1 040	23.6	5.6	1 100	1 600	7.55	▸ **51148 M**
	340	78	449	1 960	42.5	21	800	1 100	23	▸ **51248 M**
260	320	45	238	1 100	24	6.3	1 100	1 500	8.1	▸ **51152 M**
	360	79	488	2 240	46.5	24	750	1 100	25	▸ **51252 M**
280	350	53	319	1 460	30.5	11	950	1 300	12	▸ **51156 M**
	380	80	488	2 320	47.5	28	750	1 000	26.5	▸ **51256 M**
300	380	62	364	1 760	35.5	16	850	1 200	17.5	▸ **51160 M**
	420	95	585	3 000	57	47	630	850	42	▸ **51260 M**
320	400	63	371	1 860	36.5	18	800	1 100	19	▸ **51164 M**
	440	95	572	3 000	56	47	600	800	45.5	**51264 F**
	440	95	572	3 000	56	47	600	800	45	**51264 M**
340	420	64	377	1 960	37.5	20	800	1 100	20.5	▸ **51168 M**
	460	96	605	3 200	25.5	53	600	800	48.5	**51268 F**

Thrust ball bearing

SCHUBKUGELLAGER

d 10-65mm

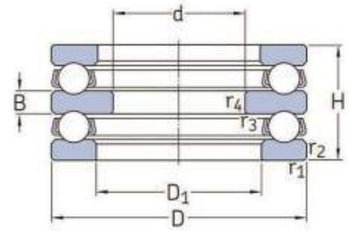


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
10	32	22	15.9	25	0.915	0.0038	5 300	7 500	0.081	▸ **52202**
15	40	26	21.2	37.5	1.4	0.0085	4 300	6 000	0.15	▸ **52204**
20	47	28	26.5	50	1.86	0.015	3 800	5 300	0.22	▸ **52205**
	52	34	34.5	60	2.24	0.018	3 200	4 500	0.33	▸ **52305**
	70	52	70.2	122	4.5	0.097	2 200	3 200	1	**52406**
25	52	29	25.1	51	1.86	0.013	3 600	5 000	0.25	▸ **52206**
	60	38	35.8	65.5	2.4	0.026	2 800	4 000	0.47	▸ **52306**
	80	59	76.1	137	5.1	0.15	2 000	2 800	1.45	**52407**
30	62	34	35.1	73.5	2.7	0.028	3 000	4 300	0.41	▸ **52207**
	68	36	44.2	96.5	3.6	0.058	2 800	3 800	0.55	▸ **52208**
	68	44	49.4	96.5	3.55	0.048	2 400	3 400	0.68	▸ **52307**
	78	49	61.8	122	4.5	0.077	2 200	3 000	1.05	▸ **52308**
	90	65	95.6	183	6.8	0.26	1 800	2 400	2.05	**52408**
35	73	37	39	86.5	3.2	0.038	2 600	3 600	0.6	▸ **52209**
	85	52	76.1	153	5.6	0.12	2 000	2 800	1.25	▸ **52309**
	100	72	124	240	9	0.37	1 600	2 200	2.7	**52409**
40	78	39	49.4	116	4.3	0.069	2 400	3 400	0.71	▸ **52210**
	95	58	81.9	170	6.3	0.19	1 800	2 600	1.75	▸ **52310**
45	90	45	58.5	134	4.9	0.11	2 200	3 000	1.1	▸ **52211**
	105	64	101	224	8.3	0.26	1 600	2 200	2.4	▸ **52311**
	120	87	195	400	14.6	0.79	1 300	1 800	4.7	**52411**
50	95	46	59.2	140	5.1	0.12	2 000	2 800	1.2	▸ **52212**
	110	64	101	224	8.3	0.26	1 600	2 200	2.55	▸ **52312**
	130	93	199	430	16	0.96	1 200	1 700	6.35	**52412 M**
55	100	47	60.5	150	5.5	0.14	2 000	2 800	1.35	▸ **52213**
	105	47	62.4	160	5.85	0.16	1 900	2 600	1.5	▸ **52214**
	115	64	106	240	8.8	0.3	1 600	2 200	2.75	**52313**
	125	72	135	320	11.8	0.53	1 400	2 000	3.65	**52314**
	250	107	234	550	19.3	1.6	800	1 100	9.7	**52414 M**
60	110	47	63.7	170	6.2	0.17	1 900	2 600	1.55	▸ **52215**
	135	79	163	390	14	0.79	1 300	1 800	4.8	**52315**
65	115	48	76.1	208	7.65	0.22	2 400	3 400	1.7	▸ **52216**
	140	79	159	390	13.7	0.79	1 300	1 800	4.95	**52316**

Thrust ball bearing

SCHUBKUGELLAGER

d 70-150mm



Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
70	125	55	97.5	275	9.8	0.39	1 600	2 200	2.4	▸ **52217**
75	135	62	112	290	116	0.55	1 500	2 000	3.2	▸ **52218**
85	150	67	119	325	10.8	0.62	1 300	1 800	4.2	▸ **52220**
	170	97	225	570	18.3	1.9	1 000	1 400	8.95	▸ **52320**
95	160	67	125	365	11.6	0.79	1 300	1 800	4.65	**52222**
100	170	68	127	390	11.8	1	1 200	1 700	5.25	**52224**
110	190	80	182	585	16.6	1.8	1 100	1 500	8	▸ **52226**
120	200	81	190	620	17.6	2	1 000	1 400	8.65	**52228**
130	215	89	238	800	22	3.3	950	1 300	11.5	**52230 M**
140	225	90	238	830	22.4	3.8	900	1 300	12	▸ **52232 M**
150	240	97	270	930	24	5.4	850	1 200	15	▸ **52234 M**
	250	98	302	1 120	28.5	6.1	800	1 100	16	**52236 M**

SDVV®

Thrust roller bearing

Druckrollenlager

Thrust roller bearings are used to withstand axial and radial combined loads, but the radial load shall not exceed 55% of the axial load. Compared with other thrust roller bearings, this type of bearing has a lower friction coefficient, higher rotational speed, and has centering performance.

Druckrollenlager werden verwendet, um axialen und radialen kombinierten Belastungen standzuhalten, aber die radiale Belastung darf 55% der axialen Belastung nicht überschreiten. Im Vergleich zu anderen Schubwalzellagern hat diese Art von Lager einen niedrigeren Reibungskoeffizienten, eine höhere Drehzahl und eine Zentrierleistung.

Thrust roller bearing

Druckrollenlager









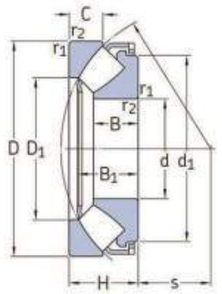
Applicable fields

- Heavy machine tool
- Marine gearbox
- Petroleum drilling machine
- Vertical motor

Thrust roller bearing

DRUCKROLLENLAGER

d 60-180mm

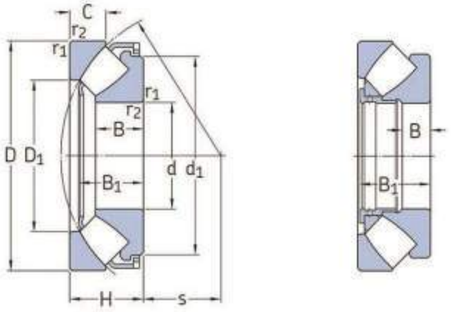


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
60	130	42	390	915	114	0.08	2 800	5 000	2.6	▸ **29412 E**
65	140	45	455	1 080	137	0.11	2 600	4 800	3.2	▸ **29413 E**
70	150	48	520	1 250	153	0.15	2 400	4 300	3.9	▸ **29414 E**
75	160	51	600	1 430	173	0.19	2 400	4 000	4.7	▸ **29415 E**
80	170	54	670	1 630	193	0.25	2 200	3 800	5.6	▸ **29416 E**
85	150	39	380	1 060	129	0.11	2 400	4 000	2.75	▸ **29317 E**
	180	58	735	1 800	212	0.31	2 000	3 600	6.75	▸ **29417 E**
90	155	39	400	1 080	132	0.11	2 400	4 000	2.85	▸ **29318 E**
	190	60	815	2 000	232	0.38	1 900	3 400	7.75	▸ **29418 E**
100	170	42	465	1 290	156	0.16	2 200	3 600	3.65	▸ **29320 E**
	210	67	980	2 500	275	0.59	1 700	3 000	10.5	▸ **29420 E**
110	190	48	610	1 730	204	0.28	1 900	3 200	5.3	▸ **29322 E**
	230	73	1 180	3 000	325	0.86	1 600	2 800	13.5	▸ **29422 E**
120	210	54	765	2 120	245	0.43	1 700	2 800	7.35	▸ **29324 E**
	250	78	1 370	3 450	375	1.1	1 500	2 600	17.5	▸ **29424 E**
130	225	58	865	2 500	280	0.59	1 600	2 600	9	▸ **29326 E**
	270	85	1 560	4 050	430	1.6	1 300	2 400	22	▸ **29426 E**
140	240	60	980	2 850	315	0.77	1 500	2 600	10.5	▸ **29328 E**
	280	85	1 630	4 300	455	1.8	1 300	2 400	23	▸ **29428 E**
150	215	39	408	1 600	180	0.24	1 800	2 800	4.3	▸ **29230 E**
	250	60	1 000	2 850	315	0.77	1 500	2 400	11	▸ **29330 E**
	300	90	1 860	5 100	520	2.5	1 200	2 200	28	▸ **29430 E**
160	270	67	1 180	3 450	375	1.1	1 300	2 200	14.5	▸ **29332 E**
	320	95	2 080	5 600	570	3	1 100	2 000	32	▸ **29432 E**
170	280	67	1 200	3 550	365	1.2	1 300	2 200	15	▸ **29334 E**
	340	103	2 360	6 550	640	4.1	1 100	1 900	44.5	▸ **29434 E**
180	250	42	495	2 040	212	0.4	1 600	2 600	5.8	▸ **29236 E**
	300	73	1 430	4 300	440	1.8	1 200	2 000	19.5	▸ **29336 E**
	360	109	2 600	7 350	710	5.1	1 000	1 800	52.5	▸ **29436 E**

Thrust roller bearing

DRUCKROLLENLAGER

d 190-380mm

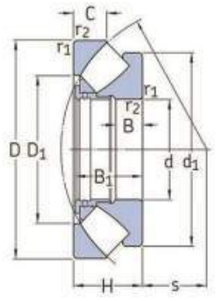


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
190	320	78	1 630	4 750	490	2.1	1 100	1 900	23.5	▸ **29338 E**
	380	115	2 850	8 000	765	6.1	950	1 700	60.5	▸ **29438 E**
200	280	48	656	2 650	285	0.67	1 400	2 200	9.3	▸ **29240 E**
	340	85	1 860	5 500	550	2.9	1 000	1 700	28.5	▸ **29340 E**
	400	122	3 200	9 000	850	7.7	850	1 600	72	▸ **29440 E**
220	300	48	690	3 000	310	0.86	1 300	2 200	10	▸ **29244 E**
	360	85	2 000	6 300	610	3.8	1 000	1 700	31	▸ **29344 E**
	420	122	3 350	9 650	900	8.8	850	1 500	75	▸ **29444 E**
240	340	60	799	3 450	335	1.1	1 100	1 800	16.5	▸ **29248**
	380	85	2 040	6 550	630	4.1	1 000	1 600	35.5	▸ **29348 E**
	440	122	3 400	10 200	930	9.9	850	1 500	80	▸ **29448 E**
260	360	60	817	3 650	345	1.3	1 100	1 700	18.5	▸ **29252**
	420	95	2 550	8 300	780	6.5	850	1 400	49	▸ **29352 E**
	480	132	4 050	12 900	1 080	16	750	1 300	105	▸ **29452 E**
280	380	60	863	4 000	375	1.5	1 000	1 700	19.5	▸ **29256**
	440	95	2 550	8 650	800	7.1	850	1 400	53	▸ **29356 E**
	520	145	4 900	15 300	1 320	22	670	1 200	135	▸ **29456 E**
300	420	73	1 070	4 800	465	2.2	900	1 400	30.5	▸ **29260**
	480	109	3 100	10 600	930	11	750	1 200	75	▸ **29360 E**
	540	145	5 000	16 600	1 340	24	670	1 200	140	▸ **29460 E**
320	440	73	1 110	5 100	465	2.5	850	1 400	33	**29264**
	500	109	3 350	11 200	1 000	12	750	1 200	78	▸ **29364 E**
	580	155	5 700	19 000	1 530	32	600	1 100	175	▸ **29464 E**
340	460	73	1 130	5 400	480	2.8	850	1 300	33.5	**29268**
	540	122	2 710	11 000	950	11	600	1 100	105	**29368**
	620	170	6 700	22 400	1 760	46	560	1 000	220	▸ **29468 E**
360	500	85	1 460	6 800	585	4.4	750	1 200	52	**29272**
	560	122	2 760	11 600	980	13	600	1 100	110	▸ **29372**
	640	170	6 200	21 200	1 630	41	560	950	230	▸ **29472 EM**
380	520	85	1 580	7 650	655	5.6	700	1 100	53	**29276**
	600	132	3 340	14 000	1 160	19	530	1 000	140	▸ **29376**
	670	175	6 800	24 000	1 860	53	530	900	260	▸ **29476 EM**

Thrust roller bearing

DRUCKROLLENLAGER

d 400-750mm

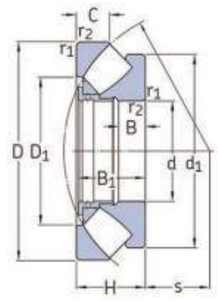


Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
400	540	85	1 610	8 000	695	6.1	700	1 100	55.5	**29280**
	620	132	3 450	14 600	1 200	20	530	950	150	**29380**
	710	185	7 650	26 500	1 960	62	480	850	310	▸ **29480 EM**
420	580	95	1 990	9 800	815	9.1	630	1 000	75.5	**29284**
	650	140	3 740	16 000	1 290	24	500	900	170	**29384**
	730	185	7 800	27 500	2 080	69	480	850	325	▸ **29484 EM**
440	600	95	2 070	10 400	850	10	630	1 000	78	**29288**
	680	145	5 200	19 300	1 560	34	530	850	180	**29388 EM**
	780	206	9 000	32 000	2 320	91	430	750	410	▸ **29488 EM**
460	620	95	2 070	10 600	865	11	600	950	81	**29292**
	710	150	4 310	19 000	1 500	34	450	800	215	**29392**
	800	206	9 300	33 500	2 450	100	430	750	425	**29492 EM**
480	650	103	2 350	11 800	950	13	560	900	98	**29296**
	850	224	9 550	39 000	2 800	140	340	670	550	▸ **29496 EM**
500	670	103	2 390	12 500	1 000	15	560	900	100	**292/500**
	750	150	4 490	20 400	1 560	40	430	800	235	**293/500**
	870	224	9 370	40 000	2 850	150	340	670	560	▸ **294/500 EM**
530	710	109	3 110	15 300	1 220	22	530	850	115	**292/530 EM**
	800	160	5 870	26 500	2 080	67	400	750	265	**293/530 EM**
	920	236	10 500	44 000	3 100	180	320	630	650	▸ **294/530 EM**
560	750	115	2 990	16 000	1 220	24	480	800	140	**292/560**
	980	250	12 000	51 000	3 550	250	300	560	810	**294/560 EM**
600	800	122	3 740	18 600	1 460	33	450	700	170	**292/600 EM**
	1 030	258	13 100	56 000	4 000	300	280	530	845	**294/600 EM**
630	850	132	4 770	23 600	1 800	53	400	670	210	**292/630 EM**
	950	190	8 450	38 000	2 900	140	320	600	485	**293/630 EM**
	1 090	280	14 400	62 000	4 150	370	260	500	1 040	▸ **294/630 EM**
670	1 150	290	15 400	68 000	4 500	440	240	450	1 210	▸ **294/670 EM**
710	1 060	212	9 950	45 500	3 400	200	280	500	610	▸ **293/710 EM**
	1 220	308	17 600	76 500	5 000	560	220	430	1 500	▸ **294/710 EF**
750	1 280	315	18 700	85 000	5 500	690	200	400	1 650	▸ **294/750 EF**

Thrust roller bearing

DRUCKROLLENLAGER

d 800-1060mm



Dimensions(mm)			Rated load		load limit	Minimum load factor	rated speed	Maximum speed	weight	Bearing model
d	D	H	C	C_0	P_u	A				
mm			kN		kN	–	r/min		kg	–
800	1 060	155	6 560	34 500	2 550	110	320	530	380	**292/800 EM**
	1 180	230	11 300	55 000	3 900	290	240	450	810	**293/800 EM**
	1 360	335	20 200	93 000	5 850	820	190	360	2 030	▸ **294/800 EF**
850	1 440	354	23 900	108 000	7 100	1 100	170	340	2 390	▸ **294/850 EF**
900	1 520	372	26 700	122 000	7 200	1 400	160	300	2 650	▸ **294/900 EF**
950	1 600	390	28 200	132 000	7 800	1 700	140	280	3 070	**294/950 EF**
1 000	1 670	402	31 100	140 000	8 650	1 900	130	260	3 390	▸ **294/1000 EF**
1 060	1 770	426	33 400	156 000	8 500	2 300	120	240	4 280	**294/1060 EF**

About Bearing sales network

ÜBER LAGER VERTRIEBSNETZ

Direct shipment from German factories

DIREKTVERSAND AUS DEUTSCHEN FABRIKEN



"Soliciting clients in earnest，Win reputation by quality".
From the beginning, in order to win the customer's trust and support, our company always attache great importance to friendly cooperate with customers, to ensure quality and service, and to value honor.
"To widely cooperate with friends and to share prosperity" has become our most sincere pursuit.

"Aufforderung von Kunden in Ernst, Gewinnen Sie Ruf durch Qualität".
Von Anfang an, um das Vertrauen und die Unterstützung des Kunden zu gewinnen, legt unser Unternehmen immer großen Wert auf freundliche Zusammenarbeit mit Kunden, um Qualität und Service zu gewährleisten und Ehre zu schätzen.
"Mit Freunden weit zusammenzuarbeiten und Wohlstand zu teilen" ist unser aufrichtigstes Streben geworden.

RADIATING GLOBALLY AND LOOKING AT THE WORLD