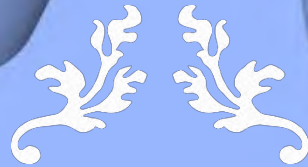




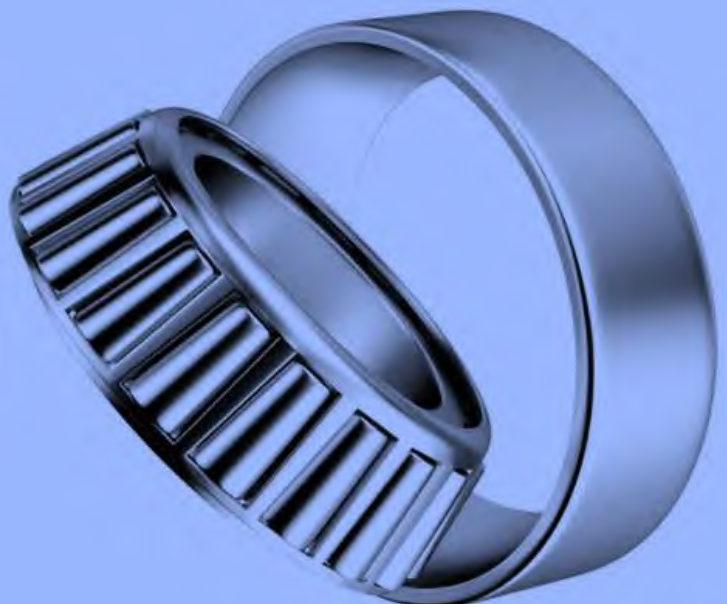
JVN[®]
BEARINGS

ISO 9001 CERTIFIED



TAPER ROLLER BEARINGS

JVN Bearings FZE



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Note:

For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.

Introduction

Tapered roller bearings are a type of rolling element bearing that are designed to handle both radial and axial loads. These bearings are called "tapered" because the rolling elements (i.e. the rollers) are tapered, with the larger diameter of the roller located towards one end of the bearing. This design allows the rollers to distribute the load more evenly, which helps to reduce friction and heat generation.

- JVN Bearings FZE offers a catalogue for Taper Roller Bearings.
- Tapered Roller Bearings can carry high radial loads and axial loads in one direction.
- They are suitable for low and medium-speed applications.
- JVN offers Single Row type 302, 303, 303D, 320, 322, 323, 330, 331, and 332 series, as well as Double Row type -DRT and Four Row type -FRT.
- Precision grades ranging from P0 to higher precision grade P6 are available on request.
- Cage options include pressed steel, riveted, machined brass, or polyamide cage.
- Both metric and inch type bearings are available.
- Double Row Tapered Roller Bearings can carry heavy loads and are stiff.
- They are suitable for the accommodation of combined (radial and axial) loads and can locate a shaft axially in both directions with a given axial clearance or a given preload.
- JVN Bearings FZE uses the latest technology and manufacturing processes to ensure high-quality bearings.
- Contact JVN Bearings FZE for more information about Tapered Roller Bearings and their products and services.

Nomenclature

JVN standard suffixes for JVN Taper Roller Bearings:

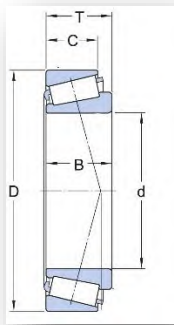
A	Modified Internal design
AR / RA	Flange on the Cup.
D	Used with 303 series to denote equivalence to 313 series in other Brands
M	Machined Brass Cage
P or TN	Plastic / Polymide / Nylon Cage
P6	Dimensional and running accuracy confirming to ISO class 6

Note: Subject to design or manufacturing limitations, the majority of the Bearings specified in the pages that follow in this chapter are available with the aforementioned suffixes.

Note:

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302 Series: Single Row Tapered Roller Bearings

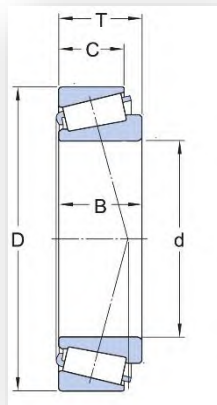


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C ₀	r/min		kg
30202	15	35	11.75	11	10	16300	15000	13,000	23,000	0.050
30203	17	40	13.25	12	11	20500	20300	9,900	13,000	0.080
30204	20	47	15.25	14	12	28200	28700	8,800	12,000	0.127
30205	25	52	16.25	15	13	31500	34000	7,300	9,800	0.154
30206	30	62	17.25	16	14	43500	48000	6,300	8,400	0.241
30207	35	72	18.25	17	15	55500	61500	5,500	7,400	0.344
30208	40	80	19.75	18	16	61000	67000	4,900	6,600	0.435
30209	45	85	20.75	19	16	67500	78500	4,400	5,900	0.495
30210	50	90	21.75	20	17	77000	93000	4,000	5,300	0.563
30211	55	100	22.75	21	18	93000	111000	3,600	4,900	0.740
30212	60	110	23.75	22	19	105000	125000	3,400	4,500	0.949
30213	65	120	24.75	23	20	123000	148000	3,100	4,200	1.180
30214	70	125	26.25	24	21	131000	162000	2,900	3,900	1.260
30215	75	130	27.25	25	22	139000	175000	2,700	3,600	1.410
30216	80	140	28.25	26	22	160000	200000	2,500	3,400	1.720
30217	85	150	30.5	28	24	183000	232000	2,400	3,200	2.140
30218	90	160	32.5	30	26	208000	267000	2,200	3,000	2.660
30219	95	170	34.5	32	27	226000	290000	2,100	2,800	3.070
30220	100	180	37	34	29	258000	335000	2,000	2,700	3.780
30221	105	190	39	36	30	287000	380000	1,900	2,500	4.390
30222	110	200	41	38	32	325000	435000	1,800	2,400	5.180
30224	120	215	43.5	40	34	345000	470000	1,700	2,200	6.230
30226	130	230	43.75	40	34	375000	505000	1,500	2,000	7.250
30228	140	250	45.75	42	36	420000	570000	1,400	1,900	9.260
30230	150	270	49	45	38	450000	605000	1,300	1,700	11.200
30232	160	290	52	48	40	525000	720000	1,200	1,600	12.900
30234	170	310	57	52	43	610000	845000	1,100	1,500	17.000
30236	180	320	57	52	43	630000	890000	1,100	1,400	17.700
30238	190	340	60	55	46	715000	1000000	1,000	1,300	20.800
30240	200	360	64	58	48	785000	1110000	950	1,300	25.400
30244	220	400	72	65	54	990000	1400000	900	1200	40.000

Note:

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303 Series: Single Row Tapered Roller Bearings

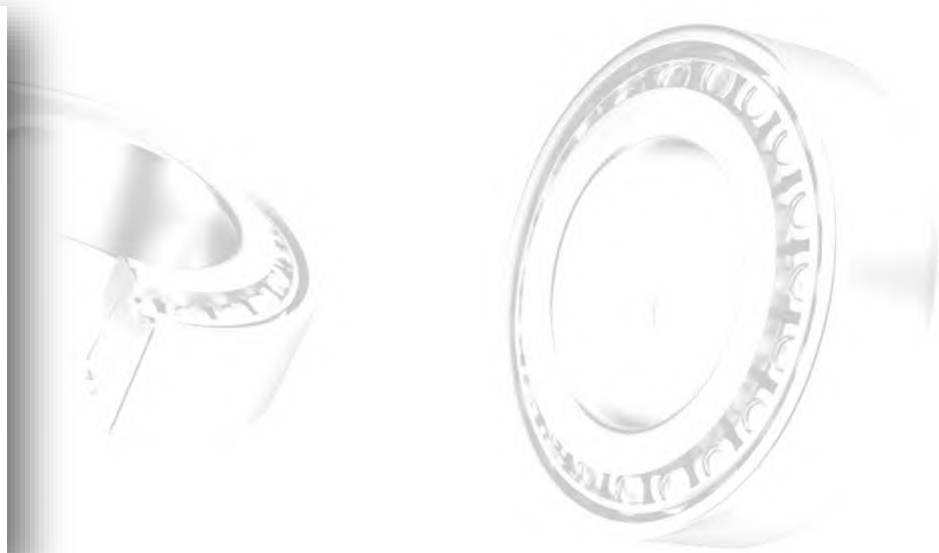
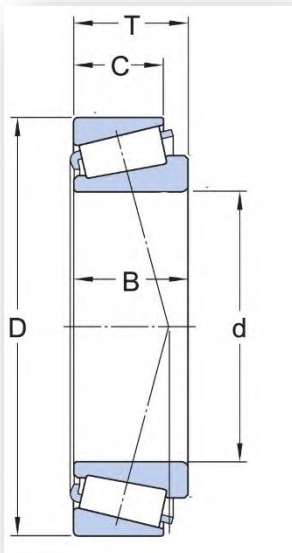


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynami c	Static	Referenc e speed	Limitin g speed	
Designatio n	mm					N		r/min		kg
	d	D	T	B	C	C	C ₀			
30302	15	42	14.25	13	11	23200	20800	9,900	13,000	0.098
30303	17	47	15.25	14	12	28900	26300	9,000	12,000	0.134
30304	20	52	16.25	16	13	35500	34000	8,000	11,000	0.176
30305	25	62	18.25	17	15	48500	47500	6,700	8,900	0.272
30306	30	72	20.75	19	16	60000	61000	5,700	7,600	0.408
30307	35	80	22.75	21	18	75000	77000	5,000	6,600	0.540
30308	40	90	25.25	23	20	91500	102000	4,400	5,900	0.769
30309	45	100	27.25	25	22	111000	126000	4,000	5,300	1.010
30310	50	110	29.25	27	23	133000	152000	3,600	4,800	1.310
30311	55	120	31.5	29	25	155000	179000	3,300	4,400	1.660
30312	60	130	33.5	31	26	180000	210000	3,000	4,000	2.060
30313	65	140	36	33	28	203000	238000	2,800	3,700	2.550
30314	70	150	38	35	30	230000	272000	2,600	3,500	3.060
30315	75	160	40	37	31	255000	305000	2,400	3,200	3.570
30316	80	170	42.5	39	33	291000	350000	2,300	3,000	4.410
30317	85	180	44.5	41	34	305000	365000	2,100	2,900	5.200
30318	90	190	46.5	43	36	335000	405000	2,000	2,700	6.030
30319	95	200	49.5	45	38	365000	445000	1,900	2,500	6.980
30320	100	215	51.5	47	39	410000	500000	1,800	2,400	8.560
30321	105	225	53.5	49	41	435000	530000	1,700	2,300	9.790
30322	110	240	54.5	50	42	480000	590000	1,600	2,200	11.400
30324	120	260	59.5	55	46	560000	695000	1,500	2,000	14.200
30326	130	280	63.75	58	49	650000	830000	1,400	1,800	17.400
30328	140	300	67.75	62	53	735000	950000	1,300	1,700	21.200
30330	150	320	72	65	55	825000	1070000	1,200	1,600	25.500

Note:

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303D Series: Single Row Tapered Roller Bearings

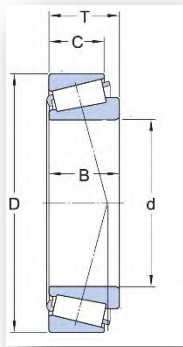


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C0	r/min		kg
30305 D	25	62	18.25	17	13	48500	47500	5,900	7,800	0.284
30306 D	30	72	20.75	19	14	63500	70000	5,000	6,700	0.398
30307 D	35	80	22.75	21	15	77000	85500	4,400	5,800	0.530
30308 D	40	90	25.25	23	17	96000	109000	3,900	5,200	0.738
30309 D	45	100	27.25	25	18	113000	130000	3,500	4,600	0.958
30310 D	50	110	29.25	27	19	132000	154000	3,200	4,200	1.250
30311 D	55	120	31.5	29	21	150000	176000	2,900	3,800	1.590
30312 D	60	130	33.5	31	22	173000	204000	2,700	3,600	1.970
30313 D	65	140	36	33	23	193000	229000	2,500	3,300	2.420
30314 D	70	150	38	35	25	215000	256000	2,300	3,000	2.920
30315 D	75	160	40	37	26	236000	283000	2,100	2,800	3.470
30316 D	80	170	42.5	39	27	247000	293000	2,000	2,700	4.110
30317 D	85	180	44.5	41	28	270000	320000	1,900	2,500	4.850
30318 D	90	190	46.5	43	30	296000	355000	1,800	2,400	5.660
30319 D	95	200	49.5	45	32	355000	435000	1,700	2,200	6.470
30320 D	100	215	56.5	51	35	380000	470000	1,800	2,400	8.670
30321 D	105	225	58	53	36	430000	535000	1,700	2,300	9.680
30322 D	110	240	63	57	38	480000	59000	1,600	2,200	11.900

Note:

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320 Series: Single Row Tapered Roller Bearings

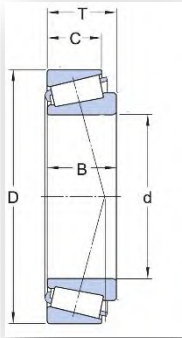


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C0			
32005	25	47	15	15	11.5	27800	33500	7,900	11,000	0.114
320/28	28	52	16	16	12	33000	40500	7,300	9,700	0.146
32006	30	55	17	17	13	37500	46000	6,900	9,200	0.166
320/32	32	58	17	17	13	37000	46500	6,600	8,700	0.181
32007	35	62	18	18	14	41500	52500	6,100	8,100	0.224
32008	40	68	19	19	14.5	50000	65500	5,300	7,100	0.273
32009	45	75	20	20	15.5	57500	76500	4,800	6,400	0.346
32010	50	80	20	20	15.5	62500	88000	4,400	5,800	0.366
32011	55	90	23	23	17.5	80500	118000	4,000	5,400	0.563
32012	60	95	23	23	17.5	82000	123000	3,700	4,900	0.576
32013	65	100	23	23	17.5	83000	128000	3,400	4,600	0.630
32014	70	110	25	25	19	105000	160000	3,200	4,200	0.848
32015	75	115	25	25	19	106000	167000	3,000	4,000	0.909
32016	80	125	29	29	22	139000	216000	2,800	3,700	1.280
32017	85	130	29	29	22	142000	224000	2,600	3,500	1.350
32018	90	140	32	32	24	168000	270000	2,500	3,300	1.790
32019	95	145	32	32	24	171000	280000	2,300	3,100	1.830
32020	100	150	32	32	24	170000	281000	2,200	3,000	1.910
32021	105	160	35	35	26	201000	335000	2,100	2,800	2.420
32022	110	170	38	38	29	236000	390000	2,000	2,700	3.070
32024	120	180	38	38	29	245000	420000	1,800	2,500	3.250
32026	130	200	45	45	34	320000	545000	1,700	2,200	4.960
32028	140	210	45	45	34	330000	580000	1,600	2,100	5.280
32030	150	225	48	48	36	370000	655000	1,400	1,900	6.370
32032	160	240	51	51	38	435000	790000	1,400	1,800	7.800
32034	170	260	57	57	43	500000	895000	1,300	1,700	10.500
32036	180	280	64	64	48	645000	1170000	1,200	1,600	14.500
32038	190	290	64	64	48	655000	1210000	1,100	1,500	15.100
32040	200	310	70	70	53	800000	1470000	1,100	1,400	19.300

Note:

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322 Series: Single Row Tapered Roller Bearings

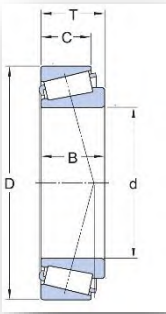


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Referenc e speed	Limiting speed	
Designation	mm					N				r/min
	d	D	T	B	C	C	C0			
32203	17	40	17.25	16	14	27300	28300	9,900	13,000	0.102
32204	20	47	19.25	18	15	36500	39500	8,800	12,000	0.160
32205	25	52	19.25	18	16	42000	47000	7,300	9,800	0.187
32206	30	62	21.25	20	17	54500	64000	6,300	8,400	0.301
32207	35	72	24.25	23	19	72500	87000	5,500	7,400	0.457
32208	40	80	24.75	23	19	79500	93500	4,900	6,600	0.558
32209	45	85	24.75	23	19	82000	100000	4,400	5,900	0.607
32210	50	90	24.75	23	19	87500	109000	4,000	5,300	0.648
32211	55	100	26.75	25	21	108000	134000	3,600	4,900	0.876
32212	60	110	29.75	28	24	130000	164000	3,400	4,500	1.180
32213	65	120	32.75	31	27	159000	206000	3,100	4,200	1.580
32214	70	125	33.25	31	27	166000	220000	2,900	3,900	1.680
32215	75	130	33.25	31	27	168000	224000	2,700	3,600	1.740
32216	80	140	35.25	33	28	199000	265000	2,500	3,400	2.180
32217	85	150	38.5	36	30	224000	300000	2,400	3,200	2.750
32218	90	160	42.5	40	34	262000	360000	2,200	3,000	3.490
32219	95	170	45.5	43	37	299000	415000	2,100	2,800	4.300
32220	100	180	49	46	39	330000	465000	2,000	2,700	5.120
32221	105	190	53	50	43	380000	540000	1,900	2,500	6.250
32222	110	200	56	53	46	420000	605000	1,800	2,400	7.430
32224	120	215	61.5	58	50	460000	680000	1,700	2,200	9.080
32226	130	230	67.75	64	54	530000	815000	1,500	2,000	11.200
32228	140	250	71.75	68	58	610000	920000	1,400	1,900	14.100
32230	150	270	77	73	60	700000	1070000	1,300	1,700	18.200
32232	160	290	84	80	67	890000	1420000	1,200	1,600	23.500
32234	170	310	91	86	71	1000000	1600000	1,100	1,500	28.700
32236	180	320	91	86	71	1030000	1690000	1,100	1,400	30.700
32238	190	340	97	92	75	1150000	1850000	1,000	1,300	36.100
32240	200	360	104	98	82	1320000	2130000	950	1,300	43.400
32244	220	400	114	108	90	1449000	2430000	900	999	60.000
32248	240	440	127	120	100	1746000	3015000	800	900	81.500

Note:

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323 Series: Single Row Taper Roller Bearings

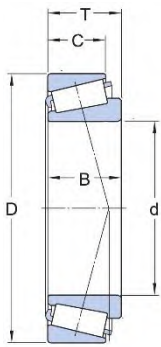


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Referen ce speed r/min	Limiting speed	
Designation	mm					N				
						C	C0			
	d	D	T	B	C	C	C0			kg
32303	17	47	20.25	19	16	33500	34700	11,000	16,000	0.173
32304	20	52	22.25	21	18	46500	48500	8,000	11,000	0.245
32305	25	62	25.25	24	20	61500	64500	6,700	8,900	0.381
32306	30	72	28.75	27	23	81000	90000	5,700	7,600	0.583
32307	35	80	32.75	31	25	101000	115000	5,000	6,600	0.787
32308	40	90	35.25	33	27	110000	140000	4,200	5,600	1.100
32309	45	100	38.25	36	30	154000	191000	4,000	5300	1.460
32310	50	110	42.25	40	33	184000	232000	3,600	4,800	1.920
32311	55	120	45.5	43	35	215000	275000	3,300	4,400	2.440
32312	60	130	48.5	46	37	244000	315000	3,000	4,000	3.020
32313	65	140	51	48	39	273000	350000	2,800	3,700	3.660
32314	70	150	54	51	42	310000	405000	2,600	3,500	4.460
32315	75	160	58	55	45	355000	470000	2,400	3,200	5.350
32316	80	170	61.5	58	48	395000	525000	2,300	3,000	6.410
32317	85	180	63.5	60	49	405000	525000	2,100	2,900	7.150
32318	90	190	67.5	64	53	450000	595000	2,000	2,700	8.570
32319	95	200	71.5	67	55	505000	670000	1,900	2,500	10.100
32320	100	215	77.5	73	60	570000	770000	1,800	2,400	12.700
32321	105	225	81.5	77	63	610000	825000	1,700	2,300	14.500
32322	110	240	84.5	80	65	620000	830000	1,600	2,200	16.900
32324	120	260	90.5	86	69	815000	1130000	1,500	2,000	22.400

Note:

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330 Series: Single Row Taper Roller Bearings

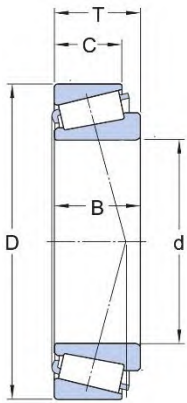


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
n	d	D	T	B	C	C	C0			
33005	25	47	17	17	14	33500	42300	8,300	11,000	0.140
33006	30	55	20	20	16	43200	55200	7,000	9,400	0.203
33007	35	62	21	21	17	53000	70000	6,300	8,100	0.273
33008	40	68	22	22	18	62000	87000	5,600	7,400	0.330
33009	45	75	24	24	19	71000	103000	5,700	6,600	0.440
33010	50	80	24	24	19	75000	113000	5,200	6,100	0.450
33011	55	90	27	27	21	94000	142000	4,800	5,400	0.670
33012	60	95	27	27	21	95000	14800	4,500	5,200	0.730
33013	65	100	27	27	21	100000	161000	4,400	5,000	0.780
33014	70	110	31	31	25.5	136000	223000	3,800	4,700	1.100
33015	75	115	31	31	25.5	139000	232000	3,400	4,400	1.160
33016	80	125	36	36	29.5	175000	290000	3,100	4,100	1.650
33017	85	130	36	36	29.5	184000	215000	2,900	3,800	1.740
33018	90	140	39	39	32.5	216000	315000	2,700	3,500	2.220
33019	95	145	39	39	32.5	221000	380000	2,500	3,300	2.300
33020	100	150	39	39	32.5	225000	395000	2,400	3,200	2.390
33021	105	160	43	43	34	265000	450000	2,200	2,800	3.050
33022	110	170	47	47	37	295000	520000	2,000	2,600	3.890
33024	120	180	48	48	38	310000	560000	1,900	2,400	4.200
33026	130	200	55	55	43	410000	740000	1,800	2,200	6.440
33028	140	210	56	56	44	415000	770000	1,800	2,000	6.880
33030	150	225	59	59	46	550000	890000	1,700	2,000	8.480

Note:

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331 Series: Single Row Tapered Roller Bearings



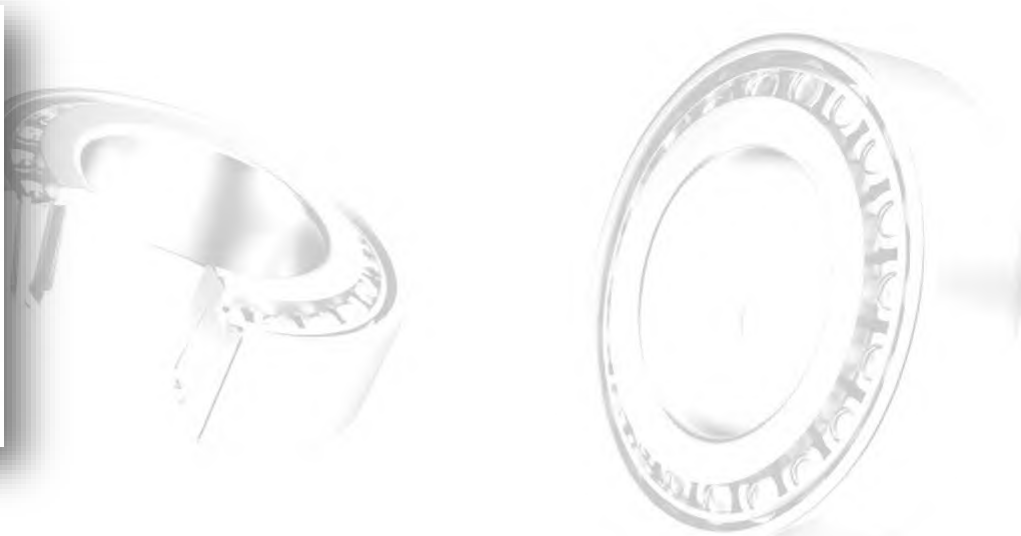
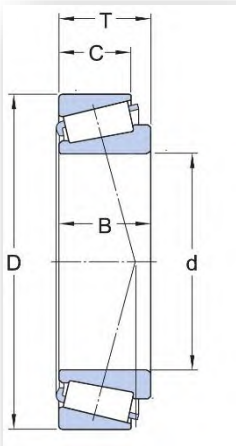
Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
Designation	mm					Dynamic	Static	Reference speed	Limiting speed	
	d	D	T	B	C	N	C0	r/min		kg
33108	40	75	26	26	20.5	79500	103000	5,200	6,900	0.494
33109	45	80	26	26	20.5	84500	115000	4,700	6,200	0.542
33110	50	85	26	26	20	86500	121000	4,200	5,600	0.580
33111	55	95	30	30	23	111000	155000	3,900	5,200	0.846
33112	60	100	30	30	23	113000	164000	3,600	4,700	0.912
33113	65	110	34	34	26.5	144000	211000	3,300	4,400	1.280
33114	70	120	37	37	29	174000	260000	3,500	5,700	1.710
33115	75	125	37	37	29	178000	275000	3,300	5,400	1.810
33116	80	130	37	37	29	188000	300000	3,050	5,200	1.930
33117	85	140	41	41	32	221000	350000	2,950	4,750	2.500
33118	90	150	45	45	35	265000	420000	2,800	4,450	3.450
33120	100	165	52	52	40	325000	54000	2,600	4,000	4.130
33121	105	175	56	56	44	360000	600000	2,600	3,800	4.430
33122	110	180	56	56	43	370000	630000	2,400	3,600	5.640
33124	120	200	62	62	48	460000	770000	2,100	3,300	7.600



Note:

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332 Series: Single Row Tapered Roller Bearings



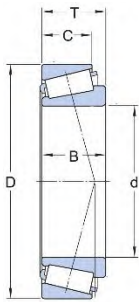
Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C0			
33205	25	52	22	22	18	47500	57500	7,300	9,800	0.217
33206	30	62	25	25	19.5	65000	77000	6,300	8,400	0.344
33207	35	72	28	28	22	87500	109000	5,500	7,400	0.531
33208	40	80	32	32	25	103000	132000	4,900	6,600	0.728
33209	45	85	32	32	25	107000	141000	4,400	5,900	0.783
33210	50	90	32	32	24.5	115000	158000	4,000	5,300	0.852
33211	55	100	35	35	27	138000	188000	3,600	4,900	1.150
33212	60	110	38	38	29	161000	223000	3,400	4,500	1.550
33213	65	120	41	41	32	195000	265000	3,100	4,200	1.980
33214	70	125	41	41	32	201000	282000	2,900	3,900	2.100
33215	75	130	41	41	31	208000	298000	2,700	3,600	2.200
33216	80	140	46	46	35	250000	365000	2,500	3,400	2.920
33217	85	150	49	49	37	284000	420000	2,400	3,200	3.580



Note:

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Inch Series: Single Row Taper Roller Bearings

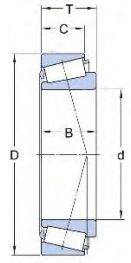


Principal dimensions						Basic Load		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C ₀			
45050/4138	12.7	34.988	10.998	10.988	8.73	12300	11600	12,000	16,000	0.053
4059/4138	14.989	34.988	10.998	10.988	8.73	12300	11600	12,000	16,000	0.049
03062/03162	15.875	41.275	14.288	14.681	11.112	20300	18700	10,000	13,000	0.092
11590/11520	15.875	42.862	14.288	14.288	9.525	17600	17500	8,700	12,000	0.103
17580/17520	15.875	42.862	16.67	16.67	13.945	26700	26000	9,800	13,000	0.122
05062/05185	15.875	47	14.381	14.381	11.112	24000	24200	8,600	11,000	0.131
09062/09195	15.875	49.225	19.845	21.539	14.288	38500	39000	8,500	11,000	0.203
05066/05185	16.993	47	14.381	14.381	11.112	24000	24200	8,600	11,000	0.127
11749/11710	17.462	39.878	13.843	14.605	10.668	23800	24200	10,000	13,000	0.084
06075/6157	19.05	39.992	12.014	11.153	9.525	12800	12800	10,000	13,000	0.065
11949/11910	19.05	45.237	15.494	16.637	12.065	28300	28600	8,900	12,000	0.122
05075/05185	19.05	47	14.381	14.381	11.112	24000	24200	8,600	11,000	0.121
09067/09195	19.05	49.225	18.034	19.05	14.288	38500	39000	8,500	11,000	0.179
09074/09195	19.05	49.225	19.845	21.539	14.288	38500	39000	8,500	11,000	0.188
09078/09195	19.05	49.225	19.845	21.539	14.288	38500	39000	8,500	11,000	0.188
09067/09194	19.05	49.225	21.209	19.05	17.462	38500	39000	8,000	11,000	0.195
09067/09196	19.05	49.225	21.209	19.05	17.462	38500	39000	7,200	11,000	0.198
21075/21212	19.05	53.975	22.225	21.839	15.875	40000	39000	8,600	11,000	0.248
1775/1729	19.05	56.896	19.368	19.837	15.875	42500	46500	7,500	9,600	0.242
05079/05185	19.987	47	14.381	14.381	11.112	24000	24200	8,500	11,000	0.117
07079/07196	20	50.005	13.495	14.26	9.525	26000	27900	8,200	10,000	0.138
09081/09195	20.625	49.225	19.845	21.539	14.288	38500	39000	8,500	11,000	0.179
12580/12520	20.638	49.225	19.845	19.845	15.875	37500	39000	8,200	11,000	0.182
12649/12610	21.43	50.005	17.526	18.288	13.97	38000	39000	8,000	11,000	0.169
12749/12711	21.986	45.974	15.494	16.637	12.065	29600	34000	8,400	11,000	0.123
07087/07196	22.225	50.005	13.495	14.26	9.525	26000	27900	7,500	10,000	0.130
12648/12610	22.225	50.005	17.526	18.288	13.97	38000	39000	8,000	11,000	0.165
1380/1328	22.225	52.388	19.368	20.168	14.288	40500	43000	7,600	10,000	0.200
1380/1329	22.225	53.975	19.368	20.168	14.288	40500	43000	7,600	10,000	0.215
1755/1729	22.225	56.896	19.368	19.837	15.875	42500	46500	7,300	9,600	0.256
1280/1220	22.225	57.15	22.225	22.225	17.462	47000	49500	7,200	9,500	0.286
72849/72810	22.606	47	15.5	15.5	12	27500	32500	8,400	11,000	0.125

Note:

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Inch Series: Single Row Tapered Roller Bearings

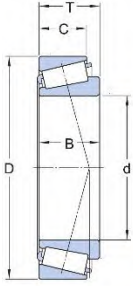


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N	Co	r/min		kg
	d	D	T	B	C	C	Co	r/min		kg
07093/07196	23.813	50.005	13.495	14.26	9.525	26000	27900	7,600	10,000	0.123
44640/44610	23.813	50.292	14.224	14.732	10.668	28800	34000	7,500	9,900	0.137
1779/1729	23.813	56.896	19.368	19.837	15.875	42500	46500	7,300	9,600	0.247
07098/07196	24.981	50.005	13.495	14.26	9.525	26000	27900	7,600	10,000	0.118
07097/07196	25	50.005	13.495	14.26	9.525	26000	27900	7,600	10,000	0.118
07096/07196	25.159	50.005	13.495	14.26	9.525	26000	27900	7,600	10,000	0.117
07100/07196	25.4	50.005	13.495	14.26	9.525	26000	27900	7,600	10,000	0.117
07100S/07196	25.4	50.005	13.495	14.26	9.525	26000	27900	7,600	10,000	0.116
44643/44610	25.4	50.292	14.224	14.732	10.668	28800	34000	7,500	9,900	0.130
07100/07204	25.4	51.994	15.011	14.26	12.7	27900	27900	7,600	10,000	0.144
1780/1729	25.4	56.896	19.368	19.837	15.875	42500	46500	7,300	9,600	0.238
84548/84510	25.4	57.15	19.431	19.431	14.732	42000	48500	7,000	9,200	0.241
84249/84210	25.4	59.53	23.368	23.114	18.288	50000	57500	6,900	9,100	0.324
15578/15523	25.4	60.325	19.842	17.462	15.875	39500	45500	6,800	8,900	0.271
15101/15243	25.4	61.912	19.05	20.638	14.288	46500	54000	6,200	8,200	0.300
15100/15245	25.4	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.299
15101/15245	25.4	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.301
15102/15245	25.4	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.301
15101/15244	25.4	62	20.638	20.638	15.875	46500	54000	6,200	8,200	0.315
15101/15250	25.4	63.5	20.638	20.638	15.875	46500	54000	6,200	8,200	0.333
15101/15250X	25.4	63.5	20.638	20.638	15.875	46500	54000	6,200	8,200	0.333
86643/86610	25.4	64.292	21.433	21.433	16.67	51500	64500	6,100	8,100	0.371
23100/23256	25.4	65.088	22.225	21.463	15.875	47000	50500	5,800	7,600	0.360
2687/2631	25.4	66.421	23.812	25.433	19.05	64500	72500	6,200	8,200	0.442
15103/15245	26.157	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.296
2682/2631	26.162	66.421	23.812	25.433	19.05	64500	72500	6,200	8,200	0.436
44649/44610	26.988	50.292	14.224	14.732	10.668	28800	34000	7,500	9,900	0.120
15580/15523	26.988	60.325	19.842	17.462	15.875	39500	45500	6,800	8,900	0.260
15106/15245	26.988	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.291
2688/2631	26.988	66.421	23.812	25.433	19.05	64500	72500	6,200	8,200	0.429
1985/1930	28.575	56.896	19.845	19.355	15.875	40500	44500	6,800	8,900	0.217
15590/15520	28.575	57.15	17.462	17.462	13.495	39500	45500	6,800	8,900	0.196
1985/1932	28.575	58.738	19.05	19.355	15.08	40500	44500	6,800	8,900	0.23
1988/1932	28.575	58.738	19.05	19.355	15.08	40500	44500	6,800	8,900	0.228

Note:

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Inch Series: Single Row Tapered Roller Bearings

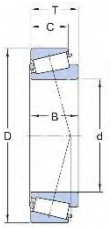


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C0	r/min		kg
15590/15523	28.575	60.325	19.842	17.462	15.875	39500	45500	6,800	8,900	0.250
1985/1931	28.575	60.325	19.845	19.355	15.875	40500	44500	6,800	8,900	0.255
15112/15245	28.575	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.277
15113/15245	28.575	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.280
86647/866610	28.575	64.292	21.433	21.433	16.67	51500	64500	6,100	8,100	0.348
2689/2631	28.575	66.421	23.812	25.433	19.05	64500	72500	6,200	8,200	0.416
02474/02420	28.575	68.262	22.225	22.225	17.462	57000	67000	5,900	7,700	0.409
2474/2420	28.575	68.262	22.225	23.812	17.462	57500	65500	5,900	7,700	0.410
2578/2523	28.575	69.85	23.812	25.357	19.05	69000	81500	5,800	7,600	0.483
41125/41286	28.575	72.626	24.608	24.257	17.462	58000	55500	5,900	7,700	0.477
41126/41286	28.575	72.626	24.608	24.257	17.462	58000	55500	5,900	7,700	0.481
02872/02820	28.575	73.025	22.225	22.225	17.462	56500	68000	5,300	7,000	0.480
45449/45410	29	50.292	14.224	14.732	10.668	28000	35500	7,300	9,600	0.113
2690/2631	29.367	66.421	23.812	25.433	19.05	64500	72500	6,200	8,200	0.406
17118/17244	29.987	62	16.002	16.566	14.288	39000	42000	6,400	8,400	0.228
15117/15245	29.987	62	19.05	20.638	14.288	46500	54000	6,300	8,200	0.269
14117A/14276	30	69.012	19.845	19.583	15.875	48500	58000	5,600	7,400	0.369
88540/88513	30	72	29.37	27.783	23.02	72000	97000	5,400	7,100	0.619
15116/15245	30.112	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.268
17119/17244	30.162	62	16.002	16.566	14.288	39000	42000	6,400	8,400	0.226
86649/86610	30.162	64.292	21.433	21.433	16.67	51500	64500	6,200	8,100	0.336
2558/2523	30.162	69.85	23.812	25.357	19.05	69000	81500	5,800	7,600	0.468
3187/3120	30.162	72.626	30.162	29.997	23.812	84500	98000	5,500	7,300	0.621
15118/15245	30.213	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.265
15119/15245	30.213	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.267
15120/15245	30.213	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.267
14116/14274	30.226	69.012	19.845	19.583	15.875	48500	58000	5,600	7,400	0.366
14116/14276	30.226	69.012	19.845	19.583	15.875	48500	58000	5,600	7,400	0.370
14116/14283	30.226	72.085	22.385	19.583	18.415	48500	58000	5,600	7,400	0.447
67048/67010	31.75	59.131	15.875	16.764	11.811	34500	41000	6,400	8,400	0.182
15123/15245	31.75	62	18.161	19.05	14.288	46500	54000	6,200	8,200	0.244
15125/15245	31.75	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.253
15126/15245	31.75	62	19.05	20.638	14.288	46500	54000	6,200	8,200	0.255

Note:

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Inch Series: Single Row Tapered Roller Bearings

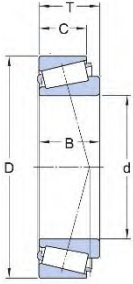


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C0			
2580/2520	31.75	66.421	25.4	25.357	20.638	69000	81500	5,800	7,600	0.409
02475/02420	31.75	68.262	22.225	22.225	17.462	57000	67000	5,900	7,700	0.380
02476/02420	31.75	68.262	22.225	22.225	17.462	57000	67000	5,900	7,700	0.383
14124/14276	31.75	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.359
14125A/14276	31.75	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.356
2580/2523	31.75	69.85	23.812	25.357	19.05	69000	81500	5,800	7,600	0.454
2580/2523S	31.75	69.85	23.812	25.357	19.05	69000	81500	5,800	7,600	0.453
2582/02523	31.75	69.85	23.812	25.357	19.05	69000	81500	5,800	7,600	0.451
3188/3120	31.75	72.626	30.162	29.997	23.812	84500	98000	5,600	7,300	0.603
3193/3120	31.75	72.626	30.162	29.997	23.812	84500	98000	5,600	7,300	0.601
02875/02820	31.75	73.025	22.225	22.225	17.462	56500	68000	5,400	7,000	0.451
2879/2820	31.75	73.025	22.225	23.812	17.462	62500	75500	5,400	7,000	0.465
88542/88510	31.75	73.025	29.37	27.783	23.02	72000	97000	5,400	7,100	0.622
88542/88511	31.75	73.025	29.37	27.783	23.02	72000	97000	5,400	7,100	0.626
88542/88512	31.75	73.812	29.37	27.783	23.02	72000	97000	5,400	7,100	0.638
89440/89410	31.75	76.2	29.37	28.575	23.02	78000	105000	5,200	6,800	0.686
3476/3420	31.75	79.375	29.37	29.771	23.812	93000	114000	5,100	6,600	0.767
88048/88010	33.338	68.262	22.225	22.225	14.462	56500	71000	5,700	7,500	0.378
14130/14276	33.338	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.344
14131/14276	33.338	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.346
2585/2523	33.338	69.85	23.812	25.357	19.05	69000	81500	5,800	7,600	0.435
3196/3120	33.338	72.626	30.162	29.997	23.812	84500	98000	5,600	7,300	0.581
88547/88510	33.338	73.025	29.37	27.783	23.02	72000	97000	5,400	7,100	0.604
2785/2720	33.338	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.551
2790/2720	33.338	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.553
89443/89410	33.338	76.2	29.37	28.575	23.02	78000	105000	5,200	6,800	0.668
89444/89410	33.338	76.2	29.37	28.575	23.02	78000	105000	5,200	6,800	0.665
43131/43312	33.338	49.375	25.4	24.074	17.462	65500	67000	4,800	6,200	0.568
48548/48510	34.925	65.088	18.034	18.288	13.97	46500	56000	5,800	7,600	0.249
48548A/48510	34.925	65.088	18.034	18.288	13.97	46500	56000	5,800	7,600	0.252
14137A/14276	34.925	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.333
14138A/14276	34.925	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.331
88649/88610	34.925	72.233	25.4	25.4	19.842	65000	84500	5,500	7,200	0.849
16137/16284	34.925	72.238	20.638	20.638	15.875	48000	58500	5,400	7,000	0.385
02877/02820	34.925	73.025	22.225	22.225	17.462	56500	68000	5,400	7,000	0.422
02878/02820	34.925	73.025	22.225	22.225	17.462	56500	68000	5,400	7,000	0.425

Note:

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Inch Series: Single Row Taper Roller Bearings

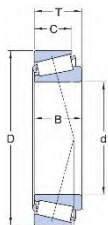


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C0	r/min		kg
2878/2820	34.925	73.025	22.225	22.812	17.462	62500	75500	5,400	7,000	0.434
25877/25820	34.925	73.025	23.812	24.608	19.05	71000	85000	5,400	7,100	0.471
25877/25821	34.925	73.025	23.812	24.608	19.05	71000	85000	5,400	7,100	0.474
25878/25821	34.925	73.025	23.812	24.608	19.05	71000	85000	5,400	7,100	0.471
2793/2735X	34.925	73.025	23.812	25.654	19.05	73000	90500	5,200	6,800	0.485
2793/2720	34.925	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.536
2793/2729	34.925	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.541
2796/2720	34.925	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.533
89446/89410	34.925	76.2	29.37	28.575	23.02	78000	105000	5,200	6,800	0.646
31593/31520	34.925	76.2	29.37	28.575	23.812	80500	97000	5,200	6,800	0.625
31594/31520	34.925	76.2	29.37	58.575	23.812	80500	97000	5,200	6,800	0.627
31594/31521	34.925	76.2	29.37	28.575	23.812	80500	97000	5,200	6,800	0.631
3478/3420	34.925	79.375	29.37	29.771	23.812	93000	114000	5,100	6,600	0.725
3379/3320	34.925	80.167	29.37	30.391	23.812	95000	112000	4,900	6,400	0.732
3872/3820	34.925	85.725	30.162	30.162	23.812	105000	132000	4,600	6,000	0.897
14139/14276	34.976	69.012	19.845	19.583	15.875	48500	58000	5,700	7,400	0.333
68149/68111	34.988	59.974	15.875	16.764	11.938	35500	47500	6,200	8,100	0.179
78349A/78310A	34.988	61.973	16.7	17	13.6	37000	48000	6,100	7,900	0.209
78349/78310 C	34.988	61.973	18	17	15	37000	48000	6,100	7,900	0.218
3549A/3510	35	70	24	23.5	19	62000	48000	5,600	7,300	0.42
26883/26822	35	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.61
339/332	35	80	21	22.403	14.826	68000	75000	4,800	6,300	0.534
88648/88610	35.717	72.233	25.4	25.4	19.842	65000	84500	5,500	7,200	0.478
88648/88611AS	35.717	72.626	25.4	25.4	19.842	65000	84500	5,500	7,200	0.482
25880/25821	36.487	76.2	23.812	25.654	19.05	71000	85000	5,400	7,100	0.457
2780/2720	36.487	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.518
2794/2720	36.487	76.2	29.37	28.575	23.02	73000	90500	5,200	6,800	0.516
89448/89410	36.512	76.2	29.37	28.575	23.02	78000	105000	5,200	6,800	0.629
89449/89410	36.512	76.2	29.37	28.575	23.02	78000	105000	5,200	6,800	0.626
89449/89411	36.512	76.2	29.37	28.575	23.812	78000	105000	5,200	6,800	0.631
31597/31520	36.512	73.2	29.37	28.575	23.812	80500	97000	5,200	6,800	0.605
89249/89210	36.512	79.375	38.37	28.829	22.664	86500	104000	5,100	6,600	0.686
3479/3420	36.512	79.375	29.37	29.771	23.812	93000	114000	5,100	6,600	0.707
44143/44348	36.512	88.5	25.4	23.698	17.462	70500	78000	4,100	5,300	0.729

Note:

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Inch Series: Single Row Taper Roller Bearings

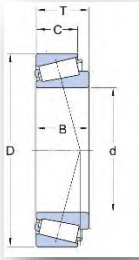


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
Designation	mm					Dynamic	Static	Reference speed	Limiting speed	
	d	D	T	B	C	N	C0			
	d	D	T	B	C	C	C0	r/min		kg
69349/69310	38	63	17	17	13.5	38500	52500	5,800	7,600	0.198
13889/13830	38.1	63.5	12.7	11.908	9.525	25900	33500	5,600	7,300	0.147
29748/29710	38.1	65.088	18.034	18.288	13.97	43500	57000	5,700	7,400	0.233
29749/29710	38.1	65.088	18.034	18.288	13.97	43500	57000	5,700	7,400	0.235
29749/29711	38.1	65.088	19.812	18.288	15.748	43500	57000	5,700	7,400	0.250
13685/13621	38.1	69.012	19.05	19.05	15.083	47500	59500	5,400	7,100	0.293
13687/13620	38.1	69.012	19.05	19.05	15.083	47500	59500	5,400	7,100	0.298
13687/13621	38.1	69.012	19.05	19.05	15.083	47500	59500	5,400	7,100	0.296
19150/19281	38.1	71.438	15.875	16.52	11.908	43500	51000	5,500	7,200	0.273
19150/19283	38.1	72	17.018	16.52	14.288	43500	51000	5,500	7,200	0.300
16150/16282	38.1	72	19	20.638	14.237	48000	58500	5,400	7,000	0.331
16150/16284	38.1	72.238	20.638	20.638	15.875	48000	58500	5,400	7,000	0.355
28150/28300	38.1	76.2	20.638	20.94	15.507	55500	63000	5,100	6,700	0.405
2776/2720	38.1	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.495
2777/2720	38.1	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.492
2788/2720	38.1	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.497
2788A/2720	38.1	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.499
26878/26822	38.1	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.574
3490/3420	38.1	79.375	29.37	29.771	23.812	93000	114000	5,100	6,600	0.683
28150/28315	38.1	80	21.006	20.94	15.875	55500	63000	5,100	6,700	0.467
27880/27820	38.1	80.035	24.608	23.698	18.512	67000	82500	4,900	6,400	0.562
27881/27820	38.1	80.035	24.608	23.698	18.512	67000	82500	4,900	6,400	0.559
801346/801310	38.1	82.55	29.37	28.575	23.02	87000	117000	4,800	6,200	0.767
25572/25520	38.1	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.645
3875/3820	38.1	85.725	30.162	30.162	23.812	105000	132000	4,600	6,000	0.857
3876/3820	38.1	85.725	30.162	30.162	23.812	105000	132000	4,600	6,000	0.854
3580/3525	38.1	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.881
44150/44348	38.1	88.5	25.4	23.698	17.462	70500	78000	4,100	5,300	0.711
418/414	38.1	88.5	26.988	29.083	22.225	95500	107000	4,700	6,100	0.840
2789/2720	39.688	76.2	23.812	25.654	19.05	73000	90500	5,200	6,800	0.477
3382/3321	39.688	77.534	29.37	30.391	23.812	95000	112000	4,900	6,400	0.669
26880/26822	39.688	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.554
26881/26822	39.688	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.552
3382/3339	39.688	80.035	29.37	30.391	23.812	95000	112000	4,900	6,400	0.666
3382/3320	39.688	80.167	29.37	30.391	23.812	95000	112000	4,900	6,400	0.665
3382/3331	39.688	80.167	29.37	30.391	23.812	95000	112000	4,900	6,400	0.670

Note:

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Inch Series: Single Row Taper Roller Bearings

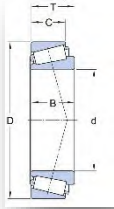


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				r/min
	d	D	T	B	C	C	C0			
3386/3320	39.688	80.167	29.37	30.391	23.812	95000	112000	4,900	6,400	0.668
44158/44348	39.688	88.5	25.4	23.698	17.462	70500	78000	4,100	5,300	0.691
28158/28300	40	76.2	20.638	20.94	15.507	55500	63000	5,100	6,700	0.386
344/332	40	80	21	22.403	14.826	68000	75000	4,800	6,300	0.479
344A/332	40	80	21	22.403	17.826	68000	75000	4,800	6,300	0.482
350A/354A	40	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.562
420/414	40	88.5	26.988	29.083	22.225	95500	107000	4,700	6,100	0.813
543/532X	40	107.95	36.512	36.957	28.575	141000	177000	3,700	4,800	1.770
803149/801310	40.483	82.55	29.37	28.575	23.02	87000	117000	4,800	6,200	0.731
300849/300811	40.988	67.975	17.5	18	13.5	46000	62500	5,400	7,000	0.239
18590/18520	41.275	73.025	16.667	17.462	12.7	46000	55500	5,100	6,600	0.281
503149/501310	41.275	73.431	19.558	19.812	14.732	56000	69500	5,100	6,600	0.335
501349/501314	41.275	73.431	21.43	19.812	16.604	56000	69500	5,100	6,600	0.355
11162/11300	41.275	76.2	18.009	17.384	14.288	42500	51500	5,000	6,500	0.337
24780/24720	41.275	76.2	22.225	23.02	17.462	65000	80500	5,000	6,500	0.432
26882/26823	41.275	76.2	25.4	25.4	20.638	76500	97500	4,900	6,400	0.488
26882/26822	41.275	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.531
26882/26822A	41.275	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.528
26885/26822	41.275	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.535
11162/11315	41.275	80	18.009	17.384	14.288	42500	51500	5,000	6,500	0.389
336/332	41.275	80	21	22.403	17.826	68000	75000	4,800	6,300	0.468
342/332	41.275	80	21	22.403	17.826	68000	75000	4,800	6,300	0.465
26882/26824	41.275	80	23.812	25.4	19.05	76500	97500	4,900	6,400	0.542
26882/26820	41.275	80.167	25.4	25.4	20.638	76500	97500	4,900	6,400	0.563
802048/802011	41.275	82.55	26.543	25.654	20.193	80500	104000	4,700	6,100	0.642
3880/3820	41.275	85.725	30.162	30.162	23.812	105000	132000	4,600	6,000	0.810
3576/3525	41.275	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.834
3577/3525	41.275	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.831
3585/3525	41.275	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.833
803145/803110	41.275	88.9	30.162	29.37	23.02	93500	125000	4,500	5,800	0.901
803146/803110	41.275	88.9	30.162	29.37	23.02	93500	125000	4,500	5,800	0.898
4388/4335	41.275	90.488	39.688	40.368	33.338	136000	175000	4,500	5,800	1.250
903345/903310	41.275	92.075	26.195	23.812	16.67	72500	81500	3,800	5,000	0.758
46162/46368	41.275	93.662	31.75	31.75	26.195	103000	131000	4,200	5,500	1.090
804840/804810	41.275	95.25	30.162	29.37	23.02	109000	147000	4,100	5,300	1.080

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Inch Series: Single Row Taper Roller Bearings

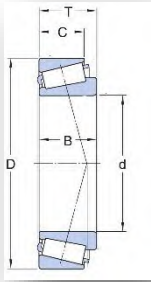


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
Designation	mm					Dynamic	Static	Reference speed r/min	Limiting speed	kg
						N	N			
	d	D	T	B	C	C	C0			
53162/53375	41.275	95.25	30.958	28.3	20.638	82500	92000	3,800	5,000	0.975
903245/903210	41.275	95.25	30.958	28.575	22.225	96000	116000	3,800	4,900	1.050
4395/4335	42.07	90.488	39.688	40.386	33.338	136000	175000	4,500	5,800	1.240
22780/22720	42.862	82.55	26.195	26.988	20.638	75500	97000	4,700	6,100	0.617
25578/25520	42.862	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.584
3579/3525	42.862	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.805
26884/26822	42.875	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.510
26886/26822	42.875	19.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.513
25577/25520	42.875	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.581
12175/12303	44.45	76.992	17.462	17.145	11.908	44000	54000	4,800	6,300	0.308
18685/18620	44.45	79.375	17.462	17.462	13.495	45500	56000	4,800	6,200	0.345
25580/25520	44.45	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.560
25581/25520	44.45	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.563
25582/25520	44.45	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.556
3578/3520	44.45	84.138	30.162	30.886	23.812	94000	117000	4,500	5,900	0.699
355/354A	44.45	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.511
355A/354A	44.45	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.512
3578/3525	44.45	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.779
53162/53375	41.275	95.25	30.958	28.3	20.638	82500	92000	3,800	5,000	0.975
903245/903210	41.275	95.25	30.958	28.575	22.225	96000	116000	3,800	4,900	1.050
4395/4335	42.07	90.488	39.688	40.386	33.338	136000	175000	4,500	5,800	1.240
22780/22720	42.862	82.55	26.195	26.988	20.638	75500	97000	4,700	6,100	0.617
25578/25520	42.862	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.584
3579/3525	42.862	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.805
26884/26822	42.875	79.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.510
26886/26822	42.875	19.375	23.812	25.4	19.05	76500	97500	4,900	6,400	0.513
25577/25520	42.875	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.581
12175/12303	44.45	76.992	17.462	17.145	11.908	44000	54000	4,800	6,300	0.308
18685/18620	44.45	79.375	17.462	17.462	13.495	45500	56000	4,800	6,200	0.345
25580/25520	44.45	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.560
25581/25520	44.45	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.563
25582/25520	44.45	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.556
3578/3520	44.45	84.138	30.162	30.886	23.812	94000	117000	4,500	5,900	0.699
355/354A	44.45	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.511
355A/354A	44.45	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.512
3578/3525	44.45	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.779

Note:

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Inch Series: Single Row Taper Roller Bearings

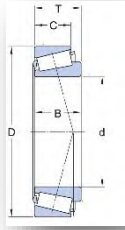


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C ₀	r/min		kg
45280/45220	44.45	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.350
807040/807010	44.45	104.775	36.512	36.512	28.575	138000	189000	3,700	4,800	1.620
55175C/55437	44.45	111.125	30.162	26.909	20.638	104000	136000	3,200	4,200	1.450
55176C/55437	44.45	111.125	30.162	26.909	20.638	104000	136000	3,200	4,200	1.090
6277/6220	44.45	127	50.8	52.388	41.275	250000	320000	3,300	4,300	3.580
25584/25520	44.983	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.555
3776/3720	44.983	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.952
358/354A	45	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.505
367/362A	45	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.595
3586/3525	45.237	87.312	30.162	30.886	23.812	94000	117000	4,500	5,900	0.765
102949/102910	45.242	73.431	19.558	19.812	15.748	54000	76000	4,900	6,400	0.307
603049/603011	45.242	77.788	19.842	19.842	15.08	57500	73500	4,800	6,200	0.372
603049/603012	45.242	77.788	21.43	19.842	16.667	57500	73500	4,800	6,200	0.391
603049/603014	45.242	79.974	19.842	19.842	15.08	57500	73500	4,800	6,200	0.405
25590/25519	45.618	82.55	23.812	25.4	19.05	76000	98000	4,600	6,000	0.534
25590/25520	45.618	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.543
25590/25523	45.618	82.931	26.988	25.4	22.225	76000	98000	4,600	6,000	0.588
25590/25521	45.618	83.058	23.812	25.4	19.05	76000	98000	4,600	6,000	0.541
25590/25522	45.618	83.058	23.876	25.4	19.114	76000	98000	4,600	6,000	0.545
25590/25526	45.618	85	23.812	25.4	19.05	76000	98000	4,600	6,000	0.581
503349A/503310	45.987	74.976	18	18	14	51000	71000	4,800	6,300	0.296
18690/18620	46.038	79.375	17.462	17.462	13.495	45500	56000	4,800	6,200	0.329
25592/25520	46.038	82.931	23.812	25.4	19.05	76000	98000	4,600	6,000	0.538
359A/354A	46.038	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.489
359S/254A	46.038	85	20.638	21.692	17.462	69500	79500	4,500	5,800	0.491
2984/2924	46.038	85	25.4	25.607	20.638	79000	104000	4,500	5,800	0.615
359S/352	46.038	90.119	23	21.692	21.808	69500	79500	4,500	5,800	0.651
3777/3720	46.038	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.934
436/432	46.038	95.25	27.783	29.9	22.225	108000	129000	4,300	5,600	0.927
369A/362A	47.625	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.559
369S/392A	47.625	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.561
804048/804010	47.625	88.9	25.4	25.4	19.05	82000	101000	4,300	5,600	0.662
804049/804010	47.625	88.9	25.4	25.4	19.05	82000	101000	4,300	5,600	0.657
3778/3720	47.625	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.898

Note:

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Inch Series: Single Row Taper Roller Bearings

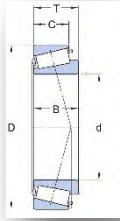


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C0			
3779/3720	47.625	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.906
804846/804810	47.625	95.25	30.162	29.37	23.02	109000	147000	4,100	5,300	0.978
386A/382A	47.625	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.720
528/522	47.625	101.6	34.925	36.068	26.988	135000	165000	3,800	5,000	1.300
463/453X	47.625	104.775	30.162	29.317	24.605	115000	148000	3,600	4,700	1.240
467/453X	47.625	104.775	30.162	29.317	24.605	115000	148000	3,600	4,700	1.240
45282/45220	47.625	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.290
55187C/55437	47.625	111.125	30.162	26.909	20.638	104000	136000	3,200	4,200	1.400
72188C/72487	47.625	123.825	36.512	32.791	25.4	154000	188000	3,000	3,900	2.160
804848/804810	48.412	95.25	30.162	29.37	23.02	109000	147000	4,100	5,300	0.967
804849/804810	48.412	95.25	30.162	29.37	23.02	109000	147000	4,100	5,300	0.964
3781/3720	49.212	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.877
5395/5335	49.212	103.188	43.658	44.475	36.512	174000	232000	3,800	5,000	1.750
807044/807010	49.212	104.775	36.512	36.512	28.575	138000	189000	3,700	4,800	1.520
65390/65320	49.212	114.3	44.45	44.45	34.925	186000	225000	3,700	4,800	2.230
506348/506310	49.212	114.3	44.5	44.5	36.068	203000	261000	3,600	4,700	2.330
104947A/104911	49.987	82.55	21.59	22.25	16.51	69500	94000	4,400	5,700	0.434
28579/28520	49.987	89.98	24.75	25.4	19.987	83500	116000	4,100	5,300	0.670
28579/28521	49.987	92.075	24.608	25.4	19.845	83500	116000	4,100	5,300	0.718
506349/506310	49.987	114.3	44.45	44.45	36.068	203000	261000	3,600	4,700	2.270
104948/104910	50	82	21.5	21.5	17	69500	94000	4,400	5,700	0.420
704649/704610	50	84	22	22	17.5	69500	94500	4,400	5,700	0.466
365/362A	50	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.530
366/362A	50	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.529
205149/205110	50	90	28	28	23	106000	141000	4,200	5,400	0.752
205149A/205110	50	90	28	28	23	106000	141000	4,200	5,400	0.747
807045/807012	50	105	37	36	29	138000	189000	3,700	4,800	1.520
396/394A	50	110	22	21.996	18.824	89500	120000	3,300	4,300	1.060
104949/104911	50.8	82.55	21.59	22.225	16.51	69500	94000	4,400	5,700	0.419
104949/104912	50.8	82.931	21.59	22.225	16.51	69500	94000	4,400	5,700	0.415
18790/18720	50.8	85	17.462	17.462	13.495	49500	65000	4,300	5,600	0.374
18790/18724	50.8	88.9	17.462	17.462	13.495	49500	65000	4,200	5,500	0.431
368/362A	50.8	88.9	20.638	22.225	16.513	49500	90500	4,200	5,500	0.519
368A/362A	50.8	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.516
370A/362A	50.8	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.511

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Inch Series: Single Row Taper Roller Bearings

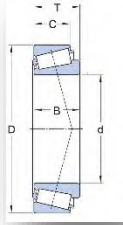


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C ₀	r/min		kg
368A/362	50.8	90	20	22.225	15.875	76500	90500	4,200	5,500	0.525
368A/363	50.8	90	20	22.225	20	76500	90500	4,200	5,500	0.556
28580/28521	50.8	92.075	24.608	25.4	19.845	83500	116000	4,100	5,300	0.703
3775/3720	50.8	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.852
3780/3720	50.8	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.848
3780/3730	50.8	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.854
3784/3720	50.8	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.839
33889/33821	50.8	95.25	27.783	28.575	22.225	107000	139000	4,000	5,200	0.876
3780/3726	50.8	95.25	30.162	30.302	23.812	102000	134000	4,100	5,300	0.903
385A/382A	50.8	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.676
28678/28622	50.8	97.63	24.608	24.608	19.446	88500	128000	3,800	4,900	0.852
3780/3732	50.8	98.425	30.162	30.302	23.812	102000	134000	4,100	5,300	0.993
49585/49520	50.8	101.6	31.75	31.75	25.4	110000	136000	3,800	5,000	1.13
529/522	50.8	101.6	34.925	36.068	26.988	135000	165000	3,800	5,000	1.24
529X/522	50.8	101.6	34.925	36.068	26.988	135000	165000	3,800	5,000	1.23
455/453X	50.8	104.775	30.162	29.317	24.605	115000	148000	3,600	4,700	1.19
455S/453X	50.8	104.775	30.162	29.317	24.605	115000	148000	3,600	4,700	1.18
45284/45220	50.8	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.22
45285/45220	50.8	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.23
45285A/45220	50.8	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.23
807046/807010	50.8	104.775	36.512	36.512	28.575	138000	189000	3,700	4,800	1.49
59200/59412	50.8	104.775	36.512	36.512	28.575	143000	178000	3,800	4,900	1.44
537/532X	50.8	107.95	36.512	36.957	28.575	141000	177000	3,700	4,800	1.55
907643/907614	50.8	111.125	30.162	28.575	20.638	104000	136000	3,200	4,200	1.36
55200C/55443	50.8	112.712	30.162	26.909	20.638	104000	136000	3,200	4,200	1.34
3975/3920	50.8	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.53
39573/39520	50.8	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.55
39575/39520	50.8	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.54
66200/66462	50.8	117.475	33.338	31.75	23.812	130000	153000	3,400	4,400	1.67
619/612	50.8	120.65	41.275	41.275	31.75	172000	213000	3,400	4,400	2.3
72200C/72487	50.8	123.825	36.512	32.791	25.4	154000	188000	3,000	3,900	2.1
72201C/72487	50.8	123.825	36.512	32.791	25.4	154000	188000	3,000	3,900	2.1
555/552A	50.8	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	2.34
368S/362A	51.592	88.9	20.638	22.225	16.513	76500	90500	4,200	5,500	0.507
28584/28521	52.388	92.075	24.608	25.4	19.845	83500	116000	4,100	5,300	0.677
3767/3720	52.388	93.264	30.162	30.302	23.812	102000	134000	4,100	5,300	0.819

Note:

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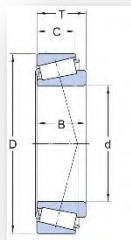


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
Designation	mm					Dynamic	Static	Reference speed	Limiting speed	
						N	C0			
	d	D	T	B	C	C	C0	r/min		kg
33890/33821	52.388	95.25	27.783	28.575	22.225	107000	139000	4,000	5,200	0.851
33891/33821	52.388	95.25	27.783	28.575	22.225	107000	139000	4,000	5,200	0.847
806649/806610	53.975	88.9	19.05	19.05	13.492	61000	82500	4,100	5,300	0.437
33895/33821	53.975	95.25	27.783	28.575	22.225	107000	139000	4,000	5,200	0.821
33895/33822	53.975	95.25	27.783	28.575	22.225	107000	139000	4,000	5,200	0.824
389A/382A	53.975	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.633
45287/45220	53.975	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.170
807049/807010	53.975	104.775	36.512	36.512	28.575	138000	189000	3,700	4,800	1.410
539/532X	53.975	107.95	36.512	36.957	28.575	141000	177000	3,700	4,800	1.470
539A/532X	53.975	107.95	36.512	36.957	28.575	141000	177000	3,700	4,800	1.470
539/532A	53.975	111.125	38.1	36.957	30.162	141000	177000	3,700	4,800	1.650
621/612	53.975	120.65	41.275	41.275	31.75	172000	213000	3,400	4,400	2.210
66584/66520	53.975	122.238	33.338	31.75	23.812	134000	163000	3,200	4,200	1.790
5578/5535	53.975	122.238	43.658	43.764	36.512	194000	283000	3,200	4,100	2.640
72212C/72487	53.975	123.825	36.512	32.791	25.4	154000	188000	3,000	3,900	2.030
557S/552A	53.975	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	2.260
911242/911210	53.975	130.175	36.512	33.338	23.812	156000	186000	2,800	3,600	2.270
78214C/78551	53.975	140.03	36.512	33.236	23.52	171000	212000	2,600	3,400	2.770
78215C/78551	53.975	140.03	36.512	33.236	23.52	171000	212000	2,600	3,400	2.760
807048/807010	54.448	104.775	36.512	36.512	28.575	138000	189000	3,700	4,800	1.400
506849/506810	55	90	23	23	18.5	77500	109000	4,100	5,300	0.558
207049/207010	55	95	29	29	23.5	107000	144000	3,900	5,100	0.820
207049A/207010	55	95	29	29	23.5	107000	144000	3,900	5,100	0.809
385/382A	55	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.616
385X/382A	55	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.614
307749/307710	55	110	29	39	32	173000	219000	3,500	4,600	1.710
28680/28622	55.562	97.63	24.608	24.608	19.446	88500	128000	3,800	4,900	0.774
72218C/72487	55.562	123.825	36.512	32.791	25.4	154000	188000	3,000	3,900	1.990
813840/813810	55.562	127	36.512	36.512	26.988	163000	228000	2,900	3,800	2.340
389/382A	55.575	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.608
387/382A	57.15	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.583
387A/382A	57.15	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.581
387AS/382A	57.15	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.576
387S/382A	57.15	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.585
387A/382S	57.15	96.838	25.4	21.946	20.274	78000	96500	3,800	5,000	0.650

Note:

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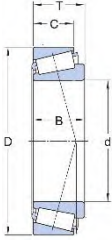


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C0	r/min		kg
28682/28622	57.15	97.63	24.608	24.608	19.446	88500	128000	3,800	4,900	0.747
387A/382	57.15	98.425	21	21.946	17.826	78000	96500	3,800	5,000	0.628
387A/383A	57.15	100	21	21.946	17.826	78000	96500	3,800	5,000	0.660
462/453X	57.15	104.775	30.162	29.317	24.605	115000	148000	3,600	4,700	1.060
469/453X	57.15	104.775	30.162	29.317	24.605	115000	148000	3,600	4,700	1.060
45289/45220	57.15	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.100
45290/45220	57.15	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.100
45291/45220	57.15	104.775	30.162	30.958	23.812	130000	169000	3,600	4,700	1.090
469/453A	57.15	107.95	27.783	29.317	22.225	115000	148000	3,600	4,700	1.110
390/394A	57.15	110	22	21.996	18.824	89000	120000	3,300	4,300	0.954
469/454	57.15	110	27.795	29.317	27	115000	148000	3,600	4,700	1.240
3979/3920	57.15	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.400
39580/39520	57.15	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.410
39581/39520	57.15	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.400
33225/33462	57.15	117.475	30.162	30.162	23.812	117000	175000	3,100	4,000	1.580
66225/66462	57.15	117.475	33.338	31.75	23.812	130000	153000	3,400	4,400	1.540
623/612	57.15	120.65	41.275	41.275	31.75	172000	213000	3,400	4,400	2.120
72225C/2487	57.15	123.825	36.512	32.791	25.4	154000	188000	3,000	3,900	1.960
555S/552A	57.15	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	2.180
78225/78551	57.15	140.03	36.512	33.236	23.52	171000	212000	2,600	3,400	2.690
388A/382A	57.531	96.838	21	21.946	15.875	78000	96500	3,800	5,000	0.575
66589/66520	59.972	122.238	33.338	31.5	23.812	134000	163000	3,200	4,200	1.660
913840/913810	59.987	146.05	41.275	39.688	25.4	199000	234000	2,500	3,200	3.220
508748/508710	60	95	24	24	19	83000	122000	3,800	4,900	0.606
29580/29520	60	107.95	25.4	25.4	19.05	91500	140000	3,300	4,300	0.992
29582/29520	60	107.95	25.4	25.4	19.05	91500	140000	3,300	4,300	0.997
397/394A	60	110	22	21.996	18.824	89500	120000	3,300	4,300	0.910
911244/911211	60	130	34.1	30.924	22.65	156000	186000	2,800	3,600	2.010
28985/28919	60.325	99.979	24.605	25.4	19.05	90500	134000	3,600	4,700	0.762
28985/28921	60.325	100	25.4	25.4	19.845	90500	134000	3,600	4,700	0.772
28985/28920	60.325	101.6	25.4	25.4	19.845	90500	134000	3,600	4,700	0.811
3980/3920	60.325	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.330
212044/212011	60.325	122.238	38.1	38.354	29.718	187000	244000	3,200	4,100	2.020
5583/5535	60.325	122.238	43.658	43.764	36.512	194000	283000	3,200	4,100	2.440
558/552A	60.325	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	2.100

Note:

For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.

Inch Series: Single Row Taper Roller Bearings

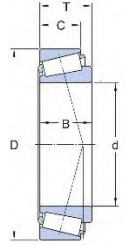


Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				r/min
	d	D	T	B	C	C	C0			
813841/813810	60.325	127	36.512	36.512	26.988	163000	228000	2,900	3,800	2.210
813841A/813810	60.325	127	36.512	36.512	26.988	163000	228000	2,900	3,800	2.20
65237/65500	60.325	127	44.45	44.45	34.925	203000	263000	3,200	4,200	2.650
911245/911210	60.325	130.175	36.512	33.338	23.812	156000	186000	2,800	3,600	2.120
911245/911216	60.325	134.983	35.862	33.338	21.948	156000	186000	2,800	3,600	2.250
392/394A	61.912	110	22	21.996	18.824	89500	120000	3,300	4,300	0.879
715334/715311	61.912	136.525	46.038	46.038	36.512	224000	355000	2,700	3,500	3.470
913842/913810	61.912	146.05	41.275	39.688	25.4	199000	234000	2,500	3,200	3.170
28990/28920	61.976	101.6	24.608	24.608	19.845	90500	134000	3,600	4,700	0.768
28995/28920	62.738	101.6	25.4	25.4	19.845	90500	134000	3,600	4,700	0.764
610549/610510	63.5	94.458	19.05	19.05	15.083	60500	103000	3,700	4,800	0.449
29585/29520	63.5	107.95	25.4	25.4	19.05	91500	140000	3,300	4,300	0.924
29585/29522	63.5	107.95	25.4	25.4	19.05	91500	140000	3,300	4,300	0.931
29586/29520	63.5	107.95	25.4	25.4	19.05	91500	140000	3,300	4,300	0.929
390A/394A	63.5	110	22	21.996	18.824	89500	120000	3,300	4,300	0.851
390A/394AS	63.5	110	22	21.996	18.824	89500	120000	3,300	4,300	0.845
395/394A	63.5	110	22	21.996	18.824	89500	120000	3,300	4,300	0.847
29585/29521	63.5	110	25.4	25.4	19.05	91500	140000	3,300	4,300	0.982
3982/3920	63.5	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.260
39585/39520	63.5	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.270
39585A/39520	63.5	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.280
477/472	63.5	120	29.794	29.007	24.237	128000	177000	3,100	4,000	1.490
483/472	63.5	120	29.794	29.007	24.237	128000	177000	3,100	4,000	1.480
212046/212011	63.5	122.238	38.1	38.354	29.718	187000	244000	3,200	4,100	1.950
212047/212011	63.5	122.238	38.1	38.354	29.718	187000	244000	3,200	4,100	1.940
5584/5535	63.5	122.238	43.658	43.764	36.512	194000	283000	3,200	4,100	2.340
559/552A	63.5	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	2.010
565/563	63.5	127	36.512	36.17	28.575	163000	229000	2,900	3,800	2.110
813842/813810	63.5	127	36.512	36.512	26.988	163000	228000	2,900	3,800	2.120
639/632	63.5	136.525	41.275	41.275	31.75	194000	262000	2,900	3,800	2.850
78250/78551	63.5	140.03	36.512	33.236	23.52	171000	212000	2,600	3,400	2.540
710949/710910	65	105	24	23	18.5	85000	117000	3,500	4,500	0.742
511946/511910	65	110	28	28	22.5	119000	174000	3,300	4,300	1.080
211749/211710	65	120	39	38.5	32	185000	248000	3,200	4,100	1.900
6379/6320	65.088	135.755	53.975	56.007	44.45	278000	380000	2,900	3,800	3.710

Note:

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Inch Series: Single Row Taper Roller Bearings



Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C0	r/min		kg
812148/812111	66.675	103.213	17.602	17.602	11.989	60000	78000	3,400	4,400	0.480
29590/29520	66.675	107.95	25.4	25.4	19.05	91500	140000	3,300	4,300	0.860
395A/394A	66.675	110	22	21.996	18.824	89500	120000	3,300	4,300	0.796
395S/394A	66.675	110	22	21.996	18.824	89500	120000	3,300	4,300	0.791
3984/3920	66.675	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.180
3984/3925	66.675	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.190
3994/3920	66.675	112.712	30.162	30.048	23.812	119000	174000	3,300	4,300	1.180
39590/39520	66.675	112.712	30.162	30.162	23.812	138000	195000	3,200	4,200	1.190
212049/212010	66.675	122.238	38.1	38.354	29.718	187000	244000	3,200	4,100	1.860
212049/212011	66.675	122.238	38.1	38.354	29.718	187000	244000	3,200	4,100	1.850
560/552A	66.675	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	1.920
813844/813810	66.675	127	36.512	36.512	26.988	163000	228000	2,900	3,800	2.030
641/633	66.675	130.175	41.275	41.275	31.75	194000	262000	2,900	3,800	2.410
6386/6320	66.675	135.755	53.975	56.007	44.45	278000	380000	2,900	3,800	3.640
6389/6320	66.675	135.755	53.975	56.007	44.45	278000	380000	2,900	3,800	3.630
641/632	66.675	136.525	41.275	41.275	31.75	194000	262000	2,900	3,800	2.740
414242/414210	66.675	136.525	41.275	41.275	31.75	226000	293000	2,900	3,700	2.750
399A/394A	68.262	110	22	21.996	18.824	89500	120000	3,300	4,300	0.764
399AS/394A	68.262	110	22	21.996	18.824	89500	120000	3,300	4,300	0.756
480/472	68.262	120	29.794	29.007	24.237	128000	177000	3,100	4,000	1.370
560S/552A	68.262	123.825	38.1	36.678	30.162	158000	216000	3,200	4,100	1.870
414245/414210	68.262	136.525	41.275	41.275	31.75	226000	293000	2,900	3,700	2.700
715343/715311	68.262	136.525	46.038	46.038	36.512	224000	355000	2,700	3,500	3.240
29675/29620	69.85	112.712	25.4	25.4	19.05	95500	151000	3,200	4,100	0.949
33275/33462	69.85	117.475	30.162	30.162	23.812	117000	175000	3,100	4,000	1.280
482/472A	69.85	120	29.002	29.007	23.444	128000	177000	3,100	4,000	1.300
482/472	69.85	120	29.794	29.007	24.237	128000	177000	3,100	4,000	1.330
47487/47420	69.85	120	32.545	32.545	26.195	147000	214000	3,100	4,000	1.470
29675/29630	69.85	120.65	25.4	25.4	19.05	95000	151000	3,200	4,100	1.170
566/563	69.85	127	36.512	36.17	28.575	163000	229000	2,900	3,800	1.920
643/632	69.85	136.525	41.275	41.275	31.75	194000	262000	2,900	3,800	2.630
655/653	69.85	146.05	41.275	41.275	31.75	206000	295000	2,600	3,300	3.280
745A/742	69.85	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.920
835/832	69.85	168.275	53.975	56.363	41.275	340000	460000	2,300	3,000	6.130
34274/34478	69.952	121.442	24.608	23.012	17.462	91000	127000	2,900	3,800	1.110
34274/34492A	69.952	125.052	23.731	23.012	16.4	91000	127000	2,900	3,800	1.180

Note:

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Inch Series: Single Row Taper Roller Bearings

Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				r/min
	d	D	T	B	C	C	C0			
81349/813010	70	110	26	25	20.5	97000	150000	3,200	4,200	0.889
612949/612910	70	115	29	29	23	124000	171000	3,200	4,100	1.130
484/472	70	120	29.794	29.007	24.237	128000	177000	3,100	4,000	1.330
913848/913811	70	150	41.275	39.688	25.4	199000	234000	2,500	3,200	3.080
33281/33462	71.438	117.475	30.162	30.162	23.812	117000	175000	3,100	4,000	1.240
47490/47420	71.438	120	32.545	32.545	26.195	147000	214000	3,100	4,000	1.420
567A/563	71.438	127	36.512	36.17	26.575	163000	229000	2,900	3,800	1.870
644/632	71.438	136.525	41.275	41.275	31.75	194000	262000	2,900	3,800	2.570
414249/414210	71.438	136.525	41.275	41.275	31.75	226000	293000	2,900	3,700	2.580
715345/715311	71.438	136.525	46.038	46.038	36.512	224000	355000	2,700	3,500	3.110
29685/29620	73.025	112.712	25.4	25.4	19.05	95500	151000	3,200	4,100	0.873
33287/33462	73.025	117.475	30.162	30.162	23.812	117000	175000	3,100	4,000	1.190
33287/33472	73.025	120	29.794	30.162	23.444	117000	175000	3,100	4,000	1.280
567/563	73.025	127	36.512	36.17	28.575	163000	229000	2,900	3,800	1.820
576/572	73.025	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.530
6460/6420	73.025	149.225	53.975	54.229	44.45	287000	410000	2,600	3,400	4.420
744/742	73.025	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.790
29688/29620	73.817	112.712	25.4	25.4	19.05	95500	151000	3,200	4,100	0.860
568/563	73.817	127	36.512	36.17	28.575	163000	229000	2,900	3,800	1.800
577/572	74.612	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.480
714149/714110	75	115	25	25	19	94500	143000	3,100	4,000	0.875
714249/714210	75	120	31	29.5	25	131000	197000	3,000	3,900	1.290
415647/415610	75	145	51	51	42	287000	410000	2,600	3,400	3.810
814749/814710	76.2	109.538	19.05	19.05	15.083	63000	115000	3,200	4,100	0.579
34300/34478	76.2	121.442	24.608	23.012	17.462	91000	127000	2,900	3,800	0.982
34301/34478	76.2	121.442	24.608	23.012	17.462	91000	127000	2,900	3,800	0.977
42687/42620	76.2	127	30.162	31	22.225	135000	194000	2,900	3,700	1.460
42688/42620	76.2	127	30.162	31	22.225	135000	194000	2,900	3,700	1.440
47678/47620	76.2	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.920
47679/47620	76.2	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.930
47680/47620	76.2	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.940
516442/516410	76.2	133.35	39.688	39.688	32.545	177000	305000	2,700	3,500	2.430
5760/5735	76.2	135.733	44.45	46.1	34.925	211000	330000	2,700	3,500	2.750
495A/493	76.2	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.830
495AX/493	76.2	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.820
575/572	76.2	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.430
575S/572	76.2	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.410
659/653	76.2	146.05	41.275	41.275	31.75	206000	295000	2,600	3,300	3.040
6461/6420	76.2	149.225	53.975	54.229	44.45	287000	410000	2,600	3,400	4.260
6461A/6420	76.2	149.225	53.975	54.229	44.45	287000	410000	2,600	3,400	4.230
748S/742	76.2	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.660
6576/6535	76.2	161.925	53.975	55.1	42.862	310000	460000	2,300	3,000	5.440

Note:

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Inch Series: Single Row Taper Roller Bearings

Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
						C	C0	r/min	kg	
917840/917810	76.2	180.975	53.975	53.183	35.72	325000	415000	2,000	2,600	6.570
221430/221410	76.2	190.5	57.15	57.531	46.038	445000	610000	2,000	2,600	8.690
814849/814810	77.788	117.475	25.4	25.4	19.05	99500	162000	3,000	3,900	0.932
34306/34478	77.788	121.442	24.608	23.012	17.462	91000	127000	2,900	3,800	0.943
34307/34478	77.788	121.442	24.608	23.012	17.462	91000	127000	2,900	3,800	0.930
42690/42620	77.788	127	30.162	31	22.225	135000	194000	2,900	3,700	1.410
495AS/493	77.788	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.780
715348/715311	77.788	136.525	46.038	46.038	36.512	224000	355000	2,700	3,500	2.840
661/653	79.375	146.05	41.275	41.275	31.75	206000	295000	2,600	3,300	2.910
756A/752	79.375	161.925	47.625	48.26	38.1	270000	385000	2,400	3,100	4.550
221431/221410	79.375	190.5	57.15	57.531	46.038	445000	610000	2,000	2,600	8.520
515649/515610	80	130	35	34	28.5	166000	249000	2,800	3,600	1.730
47681/47620	80.962	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.780
496/493	80.962	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.690
581/572	80.962	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.260
740/742	80.962	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.430
27687/27620	82.55	125.412	25.4	25.4	19.845	102000	163000	2,800	3,600	1.070
47686/47620	82.55	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.720
47686/47620A	82.55	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.730
47687/47620	82.55	133.35	33.338	33.338	26.195	153000	235000	2,700	3,500	1.710
516448/516410	82.55	133.35	39.688	39.688	32.545	177000	305000	2,700	3,500	2.160
516449/516410	82.55	133.35	39.688	39.688	32.545	177000	305000	2,700	3,500	2.180
495/493	82.55	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.640
580/572	82.55	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.200
582/572	82.55	139.992	36.512	36.098	28.575	178000	265000	2,600	3,400	2.190
663/653	82.55	146.05	41.275	41.275	31.75	206000	295000	2,600	3,300	2.780
749A/742	82.55	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.370
595/592A	82.55	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	3.020
663/652	82.55	152.4	41.275	41.275	31.75	206000	295000	2,600	3,300	3.150
757/752	82.55	161.925	47.625	48.26	38.1	270000	385000	2,400	3,100	4.420
6559C/6535	82.55	161.925	53.975	55.1	42.862	310000	460000	2,300	3,000	5.090
842/832	82.55	168.275	53.975	56.363	41.275	340000	460000	2,300	3,000	5.460
27689/27620	83.345	125.412	25.4	25.4	19.845	102000	163000	2,800	3,600	1.060
27690/27620	83.345	125.412	25.4	25.4	19.845	102000	163000	2,800	3,600	1.050
27691/27620	83.345	125.412	25.4	25.4	19.845	102000	163000	2,800	3,600	1.040
498/493	84.138	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.600
716648/716610	85	130	30	29	24	135000	214000	2,700	3,500	1.370
716649/716610	85	130	30	29	24	135000	214000	2,700	3,500	1.390
516849/516810	85	140	39	38	31.5	197000	297000	2,600	3,400	2.300
749/742	85.026	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.250
749S/742	85.026	150.089	44.45	46.672	36.512	261000	360000	2,500	3,200	3.240
497/492A	85.725	133.35	30.162	29.769	22.225	129000	189000	2,700	3,500	1.430

Note:

For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.

Inch Series: Single Row Taper Roller Bearings

Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				r/min
	d	D	T	B	C	C	C0			
497/493	85.725	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.550
497A/493	85.725	136.525	30.162	29.769	22.225	129000	189000	2,700	3,500	1.530
617049/617010	85.725	142.138	42.862	42.862	34.133	216000	350000	2,600	3,300	2.690
665/653	85.725	146.05	41.275	41.275	31.75	206000	295000	2,600	3,300	2.650
665A/653	85.725	146.05	41.275	41.275	31.75	206000	295000	2,600	3,300	2.630
596/592A	85.725	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.900
758/752	85.725	161.925	47.625	48.26	38.1	270000	385000	2,400	3,100	4.260
42346/42584	87.96	148.43	28.575	28.971	21.433	138000	215000	2,400	3,100	1.990
217849/LL217810	88.9	121.442	15.083	15.083	11.112	56500	88000	2,800	3,600	0.452
217849/L217810	88.9	123.825	20.638	20.638	16.67	80000	141000	2,700	3,500	0.737
42350/42584	88.9	148.43	28.575	28.971	21.433	138000	215000	2,400	3,100	1.960
593/592A	88.9	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.780
593A/592A	88.9	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.760
759/752	88.9	161.925	47.625	48.26	38.1	270000	385000	2,400	3,100	4.090
766/752	88.9	161.925	47.625	48.26	38.1	270000	385000	2,400	3,100	4.070
6580/6535	88.9	161.925	53.975	55.1	42.862	310000	460000	2,300	3,000	4.730
850/832	88.9	168.275	53.975	56.363	41.275	340000	460000	2,300	3,000	5.080
218248/218210	89.974	146.975	40	40	32.5	227000	340000	2,500	3,200	2.550
718149/718110	90	145	35	34	27	189000	279000	2,500	3,200	2.140
318448/318410	90	155	44	44	35.5	270000	385000	2,400	3,100	3.320
90354/90748	90	190	50.8	46.038	31.75	281000	365000	1,900	2,400	6.320
760/752	90.488	161.925	47.625	48.26	38.1	270000	385000	2,400	3,100	4.010
47890/47820	92.075	146.05	33.338	34.925	26.195	163000	266000	2,400	3,100	2.080
598/592A	92.075	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.650
598A/592A	92.075	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.630
681/672	92.075	168.275	41.275	41.275	30.162	222000	340000	2,200	2,800	3.870
681A/672	92.075	168.275	41.275	41.275	30.162	222000	340000	2,200	2,800	3.860
42368/42584	93.662	148.43	28.575	28.971	21.433	138000	215000	2,400	3,100	1.800
719149/719113	95	150	35	34	27	180000	278000	2,400	3,100	2.190
319249/319210	95.25	130.175	20.638	21.433	16.67	81000	147000	2,600	3,300	0.789
47896/47820	95.25	146.05	33.338	34.925	26.195	163000	266000	2,400	3,100	1.950
594A/592XE	95.25	147.638	35.717	36.322	26.192	180000	279000	2,400	3,100	2.090
594A/592XS	95.25	147.638	35.717	36.322	26.192	180000	279000	2,400	3,100	2.090
42375/42584	95.25	148.43	28.575	28.971	21.433	138000	215000	2,400	3,100	1.750
594/592A	95.25	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.510
594A/592A	95.25	152.4	39.688	36.322	30.162	180000	279000	2,400	3,100	2.510
52375/52618	95.25	157.162	36.512	36.116	26.195	188000	305000	2,300	2,900	2.760
683/672	95.25	168.275	41.275	41.275	30.162	222000	340000	2,200	2,800	3.720
221440/221410	95.25	190.5	57.15	57.531	46.038	445000	610000	2,000	2,600	7.500
42381/42584	96.838	148.43	28.575	28.971	21.433	138000	215000	2,400	3,100	1.690
90381/90744	96.838	188.912	50.8	46.038	31.75	281000	365000	1,900	2,400	5.670
52387/52618	98.425	157.162	36.512	36.116	26.195	188000	305000	2,300	2,900	2.620

Note:

For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.

Inch Series: Single Row Taper Roller Bearings

Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C0			
685/672	98.425	168.275	41.275	41.275	30.162	222000	340000	2,200	2,800	3.560
224334/224310	99.974	212.725	66.675	66.675	53.975	575000	810000	1,800	2,300	11.500
720249/720210	100	155	36	35	28	192000	310000	2,300	2,900	2.400
720249/720210	100	160	41	40	32	235000	370000	2,300	2,900	3.040
52393/52618	100.012	157.162	36.512	36.116	26.195	188000	305000	2,300	2,900	2.550
52400/52618	101.6	157.162	36.512	36.116	26.195	188000	305000	2,300	2,900	2.480
52400/52638	101.6	161.925	39.688	36.116	29.37	188000	305000	2,300	2,900	2.890
687/672	101.6	168.275	41.275	41.275	30.162	222000	340000	2,200	2,800	3.400
780/772	101.6	180.975	47.625	48.006	38.1	285000	430000	2,100	2,700	5.110
861/854	101.6	190.5	57.15	57.531	44.45	380000	555000	2,000	2,600	7.000
221449/221410	101.6	190.5	57.15	57.531	46.038	445000	610000	2,000	2,600	7.060
221449A/221410	101.6	190.5	57.15	57.531	46.038	445000	610000	2,000	2,600	7.060
941/932	101.6	212.725	66.675	66.675	53.975	475000	695000	1,800	2,300	11.200
224335/224310	101.6	212.725	66.675	66.675	53.975	575000	810000	1,800	2,300	11.300
782/772	104.775	180.975	47.625	48.006	38.1	285000	430000	2,100	2,700	4.920
786/772	104.775	180.975	47.625	48.006	38.1	285000	430000	2,100	2,700	4.900
787/772	104.775	180.975	47.625	48.006	38.1	285000	430000	2,100	2,700	4.900
37425/37625	107.95	158.75	23.02	21.438	15.875	102000	166000	2,200	2,800	1.370
522546/522510	107.95	159.987	34.925	34.925	26.988	167000	320000	2,200	2,800	2.370
56425/56650	107.95	165.1	36.512	36.512	26.988	191000	315000	2,100	2,700	2.690
56425/56662	107.95	168.275	36.512	36.512	26.988	191000	315000	2,100	2,700	2.870
936/932	107.95	212.725	66.675	66.675	53.975	475000	695000	1,800	2,300	10.700
37431/37625	109.538	158.75	23.02	21.438	15.875	102000	166000	2,200	2,800	1.330
522548/522510	109.987	159.987	34.925	34.925	26.988	167000	320000	2,200	2,800	2.240
522549/522510	109.987	159.987	34.925	34.925	26.988	167000	320000	2,200	2,800	2.270
64433/64700	109.992	177.8	41.275	41.275	30.162	232000	375000	2,000	2,600	3.770
822049/822010	110	165	35	35	26.5	191000	315000	2,100	2,700	2.520
522649/522610	110	180	47	46	38	305000	480000	2,000	2,600	4.610
924045/924010	111.125	214.312	55.562	52.388	39.688	405000	560000	1,600	2,000	8.180
64450/64700	114.3	177.8	41.275	41.275	30.162	232000	375000	2,000	2,600	3.520
64450/64708	114.3	179.974	41.275	41.275	30.162	232000	375000	2,000	2,600	3.670
68450/68712	114.3	180.975	34.925	31.75	25.4	169000	245000	1,900	2,500	2.930
938/932	114.3	212.725	66.675	66.675	53.975	475000	695000	1,800	2,300	10.100
224346/224310	114.3	212.725	66.675	66.675	53.975	575000	810000	1,800	2,300	10.200
926740/926710	114.3	228.6	53.975	49.428	38.1	430000	620000	1,500	1,900	9.760
71453/71750	115.087	190.5	47.625	49.212	34.925	300000	475000	1,900	2,500	5.110
71455/71750	115.087	190.5	47.625	49.212	34.925	300000	475000	1,900	2,500	5.080
68462/68712	117.475	180.975	34.925	31.75	25.4	169000	245000	1,900	2,500	2.780
724348/724314	120	170	25.4	25.4	19.05	127000	210000	2,000	2,600	1.670
95475/95925	120.65	234.95	63.5	63.5	49.212	525000	825000	1,600	2,000	12.600
48286/48220	123.825	182.562	39.688	38.1	33.338	224000	435000	1,900	2,400	3.520
48290/48220	127	182.562	39.688	38.1	33.338	224000	435000	1,900	2,400	3.330

Note:

For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.

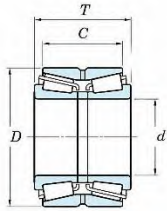
Inch Series: Single Row Taper Roller Bearings

Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N		r/min		kg
	d	D	T	B	C	C	C0			
67388/67322	127	196.85	46.038	46.038	38.1	310000	550000	1,700	2,200	5.100
74500/74850	127	215.9	47.625	47.625	34.925	320000	540000	1,600	2,100	7.050
97500/97900	127	228.6	53.975	49.428	38.1	320000	445000	1,500	1,900	8.430
926747/926710	127	228.6	53.975	49.428	38.1	430000	620000	1,500	1,900	8.830
95500/95905	127	230	63.5	63.5	49.212	525000	825000	1,600	2,000	12.900
95500/95925	127	234.95	63.5	63.5	49.212	525000	825000	1,600	2,000	12.000
228349/228310	127	254	77.788	82.55	61.912	740000	1070000	1,500	1,900	19.500
799/792	128.588	206.375	47.625	47.625	34.925	315000	520000	1,700	2,200	5.770
67389/67322	130.175	196.85	46.038	46.038	38.1	310000	550000	1,700	2,200	4.870
799A/792	130.175	206.375	47.625	47.625	34.925	315000	520000	1,700	2,200	5.650
327249/327210	133.35	177.008	25.4	26.195	20.638	126000	259000	1,900	2,400	1.700
48385/48320	133.35	190.5	39.688	39.688	33.338	236000	475000	1,800	2,300	3.640
67390/67322	133.35	196.85	46.038	46.038	38.1	310000	550000	1,700	2,200	4.630
67391/67322	133.35	196.85	46.038	46.038	38.1	310000	550000	1,700	2,200	4.590
74525/74850	133.35	215.9	47.625	47.625	34.925	320000	540000	1,600	2,100	6.560
95525/95925	133.35	234.95	63.5	63.5	49.212	525000	825000	1,600	2,000	11.300
95528/95925	133.35	234.95	63.5	63.5	49.212	525000	825000	1,600	2,000	11.400
48393/48320	136.525	190.5	39.688	39.688	33.338	236000	475000	1,800	2,300	3.430
896/892	136.525	228.6	57.15	57.15	44.45	445000	735000	1,600	2,000	9.070
74550/74845	139.7	214.975	47.625	47.625	34.925	320000	540000	1,600	2,100	5.970
74550/74850	139.7	215.9	47.625	47.625	34.925	320000	540000	1,600	2,100	6.050
898/892	139.7	228.6	57.15	57.15	44.45	445000	735000	1,600	2,000	8.760
898A/892	139.7	228.6	57.15	57.15	44.45	445000	735000	1,600	2,000	8.730
99550/99100	139.7	254	66.675	66.675	47.625	550000	910000	1,400	1,800	14.300
48684/48620	142.875	200.025	41.275	39.688	34.13	239000	490000	1,600	2,100	3.850
48685/48620	142.875	200.025	41.275	39.688	34.13	239000	490000	1,600	2,100	3.890
36690/36620	146.05	193.675	28.575	28.575	23.02	165000	340000	1,700	2,200	2.270
36691/36620	146.05	193.675	28.575	28.575	23.02	165000	340000	1,700	2,200	2.250
99575/99100	146.05	254	66.675	66.675	47.625	550000	910000	1,400	1,800	13.500
630349/630310	152.4	192.088	25	24	19	130000	261000	1,600	2,100	1.530
231648/231610	152.4	222.25	46.83	46.83	34.925	315000	585000	1,600	2,000	5.720
231649/231610	152.4	222.25	46.83	46.83	34.925	315000	585000	1,600	2,000	5.770
432349/432310	158.75	205.583	23.812	23.812	18.258	126000	247000	1,600	2,000	1.890
46780/46720	158.75	225.425	41.275	39.688	33.338	254000	555000	1,500	1,900	5.200
46790/46720	165.1	225.425	41.275	39.688	33.338	254000	555000	1,500	1,900	4.690
534149/534110	170	230	39	38	31	282000	520000	1,400	1,800	4.370
36990/36920	177.8	227.012	30.162	30.162	23.02	181000	415000	1,400	1,800	2.920
67790/67720	177.8	247.65	47.625	47.625	38.1	340000	690000	1,300	1,700	6.570
736149/736110	180	250	47	45	37	370000	710000	1,300	1,700	6.760
738249/738210	190	260	46	44	36.5	365000	720000	1,300	1,600	6.850
639249/639210	196.85	241.3	23.812	23.017	17.462	160000	330000	1,200	1,600	2.070

Note:

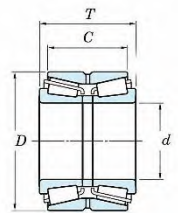
For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.

Double Row Taper Roller Bearings Metric Series



Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				r/min
	d	D	T	B	C	C	C0			
35032	160	240	48	94	115	662000	1288000	950	1,400	17.000
35036	180	280	60	108	134	1154000	2352000	850	1,200	29.900
35040	200	310	66	123	152	1268000	2526000	800	1,100	39.300
35044	220	340	72	130	165	1469000	3032000	750	1,000	50.100

Double Row Taper Roller Bearings Inch Series



Principal dimensions						Basic Load Ratings		Speed Ratings		Mass
						Dynamic	Static	Reference speed	Limiting speed	
Designation	mm					N				
	d	D	T	B	C	C	C0	r/min		kg
29675/29622 DC	69.85	114.287	25.4	46.038	58.738	180000	295000	2,400	3,000	2.050
482/472 D	69.85	120	29.007	53.975	65.09	255000	415000	2,200	2,800	2.450
29685/29622 D	73.025	114.287	25.4	46.038	58.738	180000	295000	2,400	2,800	1.910
495/493 D	82.55	136.525	29.769	53.975	69.85	255000	450000	2,000	2,400	3.840
497/493 DC	85.725	136.525	29.769	53.975	69.85	255000	450000	1,900	2,400	3.720
42362/42587	92.075	149.225	28.971	52.387	66.672	275000	510000	1,800	2,200	4.370
37425/37626 D	107.95	158.75	21.4	39.688	53.978	170000	335000	1,600	2,000	3.260
LM4522546	107.95	159.987	34.925	58.738	74.89	280000	630000	1,600	2,000	4.970
LM522510DC	107.95	159.987	34.925	58.738	74.89	280000	630000	1,600	2,000	4.970
71450/7175 D	114.3	190.5	49.2	80.962	106.362	530000	980000	1,400	1,800	10.800
181115/181190 XG	115	190.5	50	82.6	108	435000	750000	1,400	1,800	10.100
67388/67322 D	127	196.85	46	85.725	101.6	540000	1130000	1,300	1,700	10.600
48393/48320 D	136.525	190.5	39.7	73.025	85.725	395000	940000	1,300	1,700	6.880
200136X/200215	136.525	215.9	51	92	110	540000	960000	1,200	1,500	12.200
M231649/M23160 D	152.4	222.25	46.8	76.2	100.01	540000	1190000	1,200	1,400	11.700
67983/67920 DC	203.2	282.575	46.038	82.55	101.6	600000	1410000	900	1,100	17.800

*Please note that we can develop other types of double row tapered roller bearings based on specific customer requirements.

Note:

For Reference Purpose Only. Mentioned Speed Ratings are with Oil Lubrication. For Grease Lubrication, please use 75% of the indicated values.