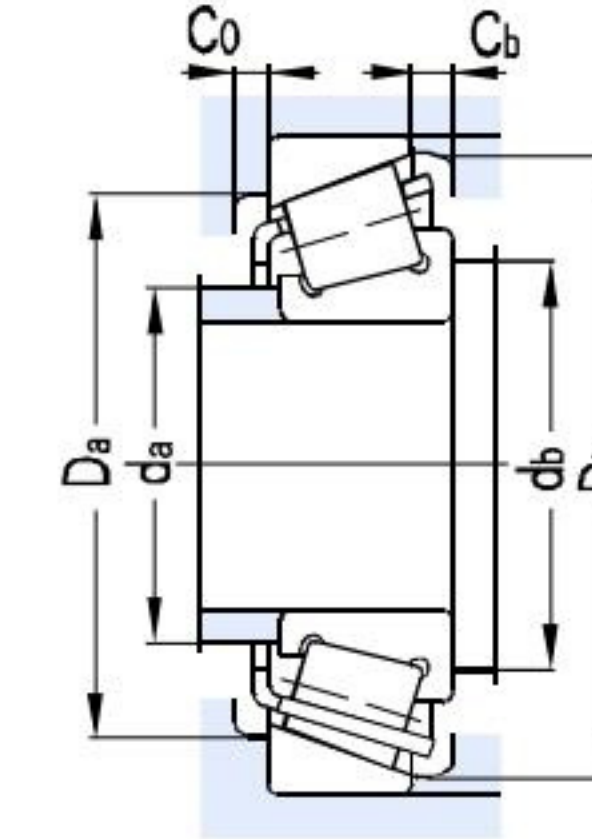
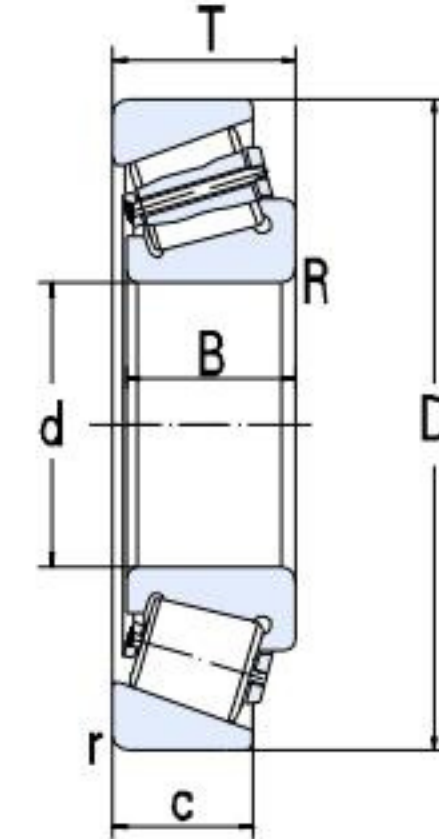
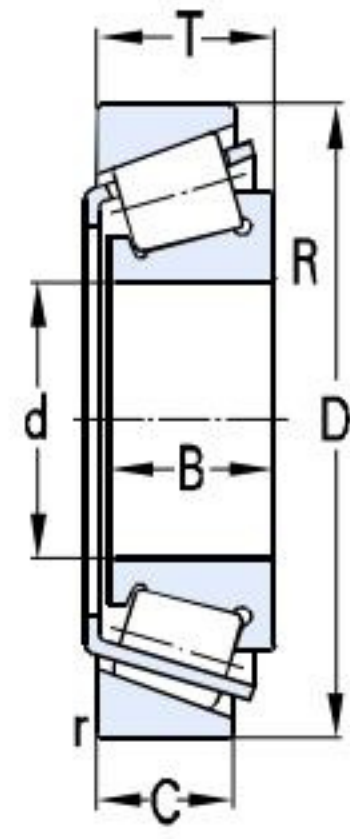
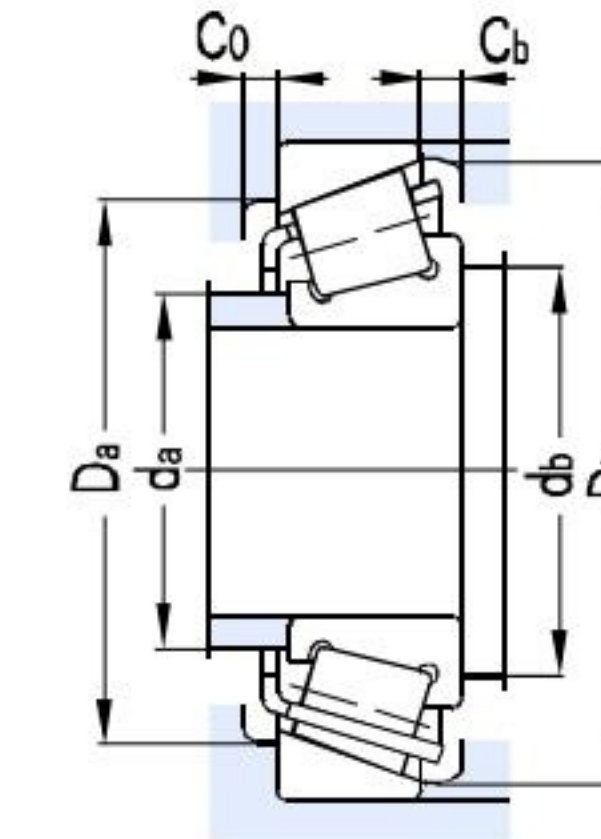
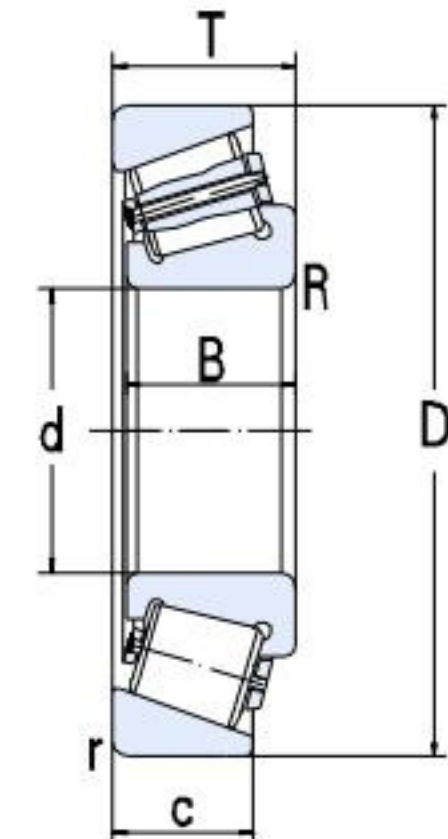
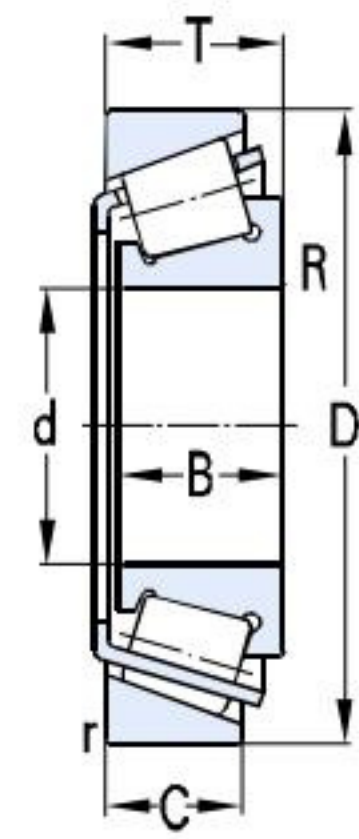


Single Row Tapered Roller Bearings (Metric)



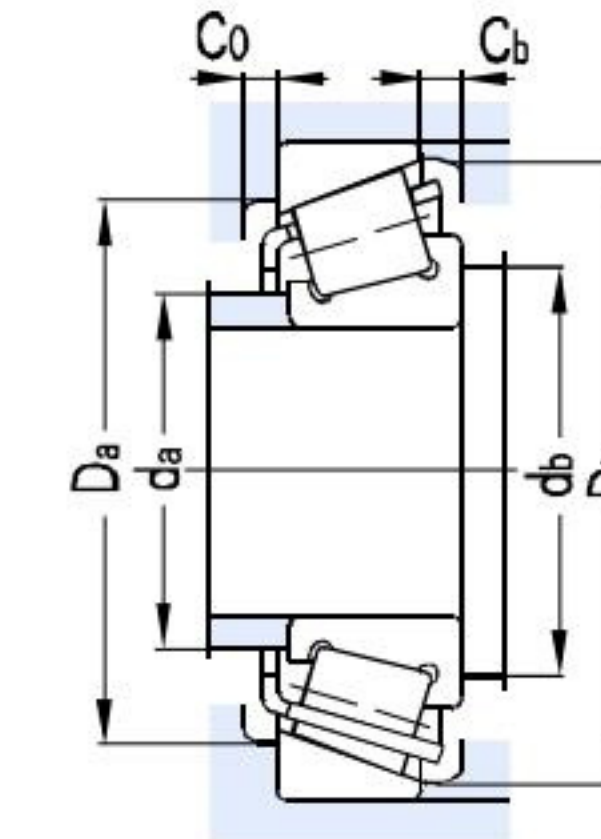
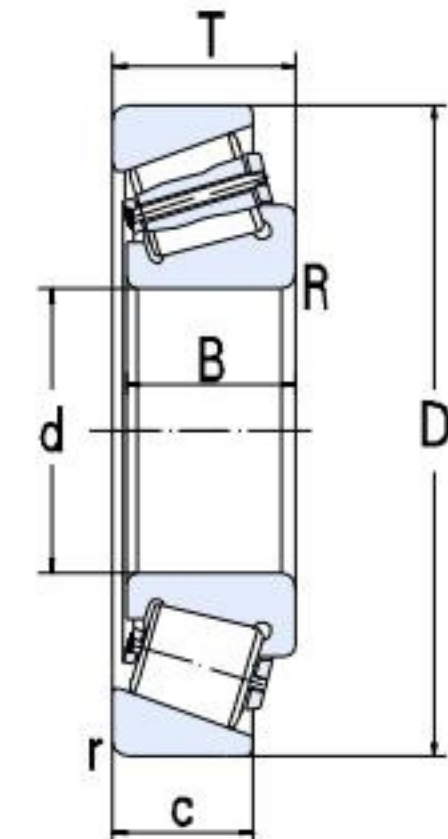
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	R _{Radial}	R _{Axial}	r _{Radial}	r _{Axial}	C _r	C _{or}	Grease	Oil		d _{amax}	d _{bmin}	D _{amin}	D _{amax}	D _{bmin}	C _{amin}	C _{bmin}	e	Y	Y _o		a
mm									KN		r/min			mm										Kg	
20	47	15.25	14	12	1	1	1	1	27.3	26.9	8000	11000	30204	27	26	40	41	43	2.5	3.3	0.35	1.7	0.96	11	0.121
	47	19.25	18	15	1	1	1	1	27.5	31	7500	10000	32204	26	24	38	43	44	2	4.3	0.33	1.8	1	12	0.158
	52	16.25	15	13	1.5	1.5	1.5	1.5	32.5	22	8000	11000	30304	28	28	44	45	48	3	3.3	0.3	2	1.1	11	0.167
	52	22.25	21	18	1.5	1.5	1.5	1.5	42	35	7500	10000	32304	26	27	43	45	48	3	4.5	0.3	2	1.1	13	0.238
25	47	17	17	14	0.6	0.6	0.6	0.6	32.5	42.5	7500	9500	33005	31	28	40	44	45	2	3	0.29	2.1	1.14	11	0.129
	52	16.25	15	13	1	1	1	1	32	34	7500	9500	30205	31	31	44	46	49	2	3.3	0.37	1.6	0.88	12	0.160
	52	19.25	18	16	1	1	1	1	40.5	46	7000	9500	32205	31	31	44	48	50	2	3.3	0.36	1.7	0.92	13	0.199
	52	22	22	18	1	1	1	1	51.5	56	7500	9500	33205	30	29	42	48	50	2	4	0.35	1.7	0.94	14	0.216
	62	18.25	17	13	1.5	1.5	1.5	1.5	42.5	46	5600	7500	31305	34	32	47	55	59	3	5	0.83	0.72	0.4	20	0.263
	62	18.25	17	13	1.5	1.5	1.5	1.5	48	47	5600	7500	30305	35	32	54	55	58	3	5.3	0.3	2	1.1	12	0.250
	62	25.25	24	20	1.5	1.5	1.5	1.5	63	66	6000	7100	32305	32	32	52	55	58	2	5.3	0.3	2	1.1	15	0.422
28	52	16	16	12	1	1	1	1	35.5	39.2	7100	8900	320/28	33	32	44	48	51	2	4	0.43	1.4	0.77	13	0.145
30	62	17.25	16	14	1	1	1	1	41	44	6300	8500	30206	37	36	53	56	58	3	4.5	0.37	1.6	0.88	14	0.230
	62	21.25	20	17	1	1	1	1	55	65	6300	8500	32206	36	36	52	56	58	2	4.3	0.37	1.6	0.88	15	0.356
	62	25	25	19.5	1	1	1	1	70.5	75	5600	7500	33206	37	34	51	58	60	2	5.5	0.34	1.8	0.97	16	0.343
	72	20.75	19	16	1.5	1.5	1.5	1.5	61.5	63	5600	7500	30306	40	37	62	65	66	4	6	0.31	1.9	1.05	15	0.390
	72	28.75	27	23	1.5	1.5	1.5	1.5	77	84	5300	7000	32306	38	37	59	65	66	2	6	0.31	1.9	1.05	18	0.554
35	62	18	18	14	1	1	1	1	42	52	6000	8000	32007	40	47	54	56	59	4	4	0.45	1.3	0.73	15	0.384
	65	18	18	14	3.5	3.5	1.2	1.2	40.8	41	5000	7000	30607	42	47	55	65	62	2	4	0.38	1.6	0.88	14	0.229
	72	18.25	17	15	1.5	1.5	1.5	1.5	50.5	55	5300	7000	30207	44	42	62	65	67	3	3.3	0.37	1.6	0.88	15	0.318
	72	24.25	23	19	1.5	1.5	1.5	1.5	66	80	5300	7000	32207	42	42	61	65	68	2	5.3	0.37	1.6	0.88	17	0.452
	72	28	28	22	1.5	1.5	1.5	1.5	87.5	106	4800	6300	33207	42	42	59	65	69	2	6	0.35	1.7	0.93	18	0.519
	80	22.75	21	15	2	2	1.5	1.5	68	76	4500	6000	31307	45	44	62	71	76	3	7.5	0.83	0.7	0.4	25	0.515
	80	22.75	21	18	2	2	1.5	1.5	68.5	65	5000	6700	30307	47	44	68	73	75	3	5.5	0.31	1.9	1.05	16	0.515
	80	32.75	31	25	2	2	1.5	1.5	90.5	94	4800	6300	32307	43	44	66	71	74	4	8.5	0.31	1.9	1.05	20	0.755
40	68	19	19	14.5	1	1	1	1	58.5	79.5	5300	7000	32008	47	44	59	64	66	3	4.5	0.38	1.6	0.87	15	0.297
	75	26	26	20.5	1.5	1.5	1.5	1.5	81	104	5000	6700	33108	65	47	65	68	71	4	5.5	0.35	1.7	0.9	18	0.499
	80	19.75	18	16	1.5	1.5	1.5	1.5	66	73	4800	6300	30208	49	47	69	73	75	3	3.8	0.37	1.6	0.88	17	0.430
	80	24.75	23	19	1.5	1.5	1.5	1.5	79	93	4800	6300	32208	48	47	68	73	76	3	5.8	0.37	1.6	0.88	18	0.561
	80	32	32	25	1.5	1.5	1.5	1.5	113	126	4300	5600	33208	47	48	65	73	77	2	7	0.36	1.7	0.92	21	0.701
	90	25.25	23	17	2	2	1.5	1.5	81	77	4000	5300	31308	48	49	71	81	87	4	9.5	0.83	0.7	0.4	29	0.731
	90	25.25	33	20	2	2	1.5	1.5	95.5	102	4500	6000	30308	52	49	77	81	84	3	5.5	0.35	1.7	0.96	19	0.734

Single Row Tapered Roller Bearings (Metric)



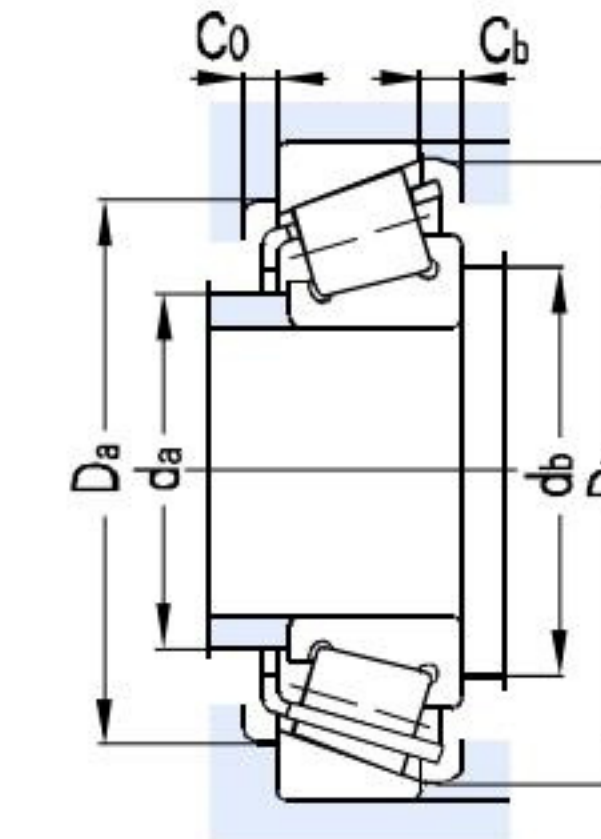
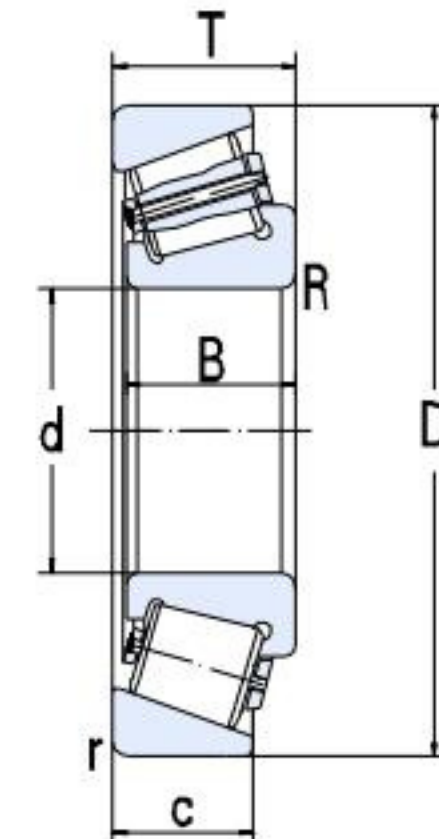
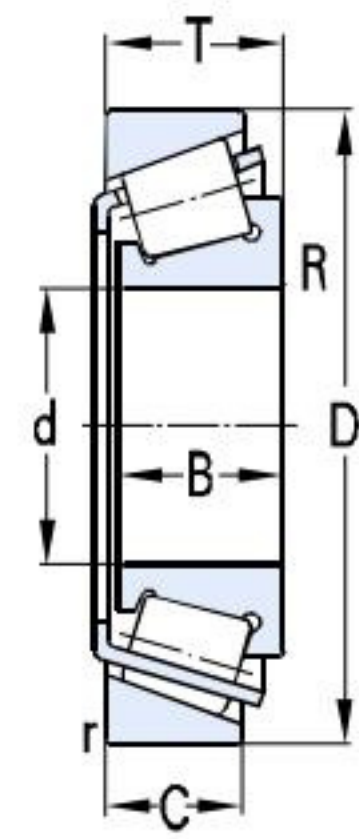
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	R Axial	rRadial	rAxial	Cr	Cor	Grease	Oil		damax	dbmin	Damin	Damax	Dbmin	Camin	Cbmin	e	Y	Yo	a	Kg
mm									KN		r/min			mm											
	90	35.25	33	27	2	2	1.5	1.5	117	140	4000	5300	32308	49	49	73	81	83	4	8.5	0.35	1.7	0.96	22	1.080
42	100	38.25	36	30	2	2	1.5	1.5	153	174	3600	4800	323/42R	58	51	81	93	93	3	8.3	0.35	1.7	0.96	25	1.55
	76	24	27.5	19.8	2	2	2	2	76	101	4700	6250	306/42	52	49	65	71	73	3	6	0.28	2.2	1.19	29	0.479
45	75	20	20	15.5	1	1	1	1	57.5	80	4800	6300	32009	52	49	65	71	73	3	6	0.39	1.5	0.84	17	0.343
	80	26	26	20.5	1.5	1.5	1.5	1.5	91.7	118	4500	6000	33109	52	57	69	73	77	4.5	6.5	0.383				0.536
	85	20.75	19	16	1.5	1.5	1.5	1.5	70.5	83	4500	6000	30209	53	52	74	78	80	3	5	0.4	1.5	0.81	18	0.464
	85	24.75	23	19	1.5	1.5	1.5	1.5	86.9	105	4500	6000	32209	53	52	73	78	81	3	5.8	0.4	1.5	0.81	20	0.576
	85	32	32	25	1.5	1.5	1.5	1.5	115	150	4000	5300	33209	52	53	70	78	82	3	7	0.39	1.6	0.86	22	0.789
	100	27.25	25	18	2	2	1.5	1.5	101	97	3600	4800	31309	54	54	79	91	96	4	9.5	0.83	0.7	0.4	32	0.977
	100	27.25	25	22	2	2	1.5	1.5	103	107	4000	5300	30309	59	54	86	91	94	4	8.5	0.35	1.7	0.96	21	0.987
100	38.25	36	30	2	2	1.5	1.5	153	174	3600	4800	32309	56	54	82	91	93	4	8.5	0.35	1.7	0.96	25	1.44	
47	100	43	43	37	1.8	1.8	1.8	1.8	151	190	3400	4500	306/47	57	55	79	100	93	4	6	0.31	1.9	1.07	27	1.66
50	80	20	20	15.5	1	1	1	1	60	86.5	4500	6000	32010	57	54	70	76	78	4	4.5	0.42	1.4	0.78	18	0.381
	80	24	24	19	1	1	1	1	77	111	4500	6000	33010	55	58	70	77	76	4	4.5	0.32	1.9	1.04	17	0.442
	82	21.5	21.5	17	3	3	0.5	0.5	68.5	73	3200	4300	30610	57	62	72	82	79	3	4.5	0.31	2	1.08	16	0.331
	90	21.75	20	17	1.5	1.5	1.5	1.5	72.5	74	4300	5600	30210	58	57	79	83	86	3	5	0.42	1.4	0.79	20	0.550
	90	24.75	23	19	1.5	1.5	1.5	1.5	170	110	4300	5600	32210	58	57	78	83	85	3	5.5	0.43	1.4	0.8	21	0.640
	90	32	32	24.5	1.5	1.5	1.5	1.5	119	160	3800	5000	33210	57	58	75	83	88	3	7.5	0.41	1.5	0.8	23	1.17
	110	29.25	27	23	2.5	2.5	2.5	2.5	136	150	3600	4800	30310	65	60	95	100	103	4	6	0.35	1.7	0.96	23	1.26
	110	29.25	27	19	2.5	2.5	2	2	116	124	3200	4300	31310	63	10	86	102	104	3	10	0.83	0.7	0.4	35	1.25
110	42.25	40	33	2.5	2.5	2	2	173	214	3600	4800	32310	61	60	90	100	102	5	9.5	0.35	1.7	0.96	27	1.26	
50.8	100	35	35	27	1.5	1.5	1.5	1.5	141	193	3200	4300	339/50.8	64	58	83	93	97	4.5	8	0.4	1.5	0.83	25	1.267
	100	35	35	29	2	2	2	2	131	171	3200	4300	306/50.8	63	59	83	92	94	3	6	0.3	2	1.1	23	1.27
55	90	23	23	17.5	1.5	1.5	1.5	1.5	77	111	4000	5300	32011	64	63	79	83	88	4.5	5.5	0.41	1.5	0.81	20	0.564
	90	27	27	21	1.5	1.5	1.5	1.5	101	147	4000	5300	33011	62	65	78	83	87	4.5	5.5	0.31	1.92	1.06	19	0.839
	95	30	30	23	1.5	1.5	1.5	1.5	105	163	3800	5000	33111/HA	64	63	81	88	92	3	7	0.37	1.6	0.88	22	0.881
	100	22.75	21	18	2	2	1.5	1.5	99	110	3800	5000	30211	64	64	88	91	95	4	5	0.4	1.5	0.81	21	0.713
	100	26.75	25	21	2	2	1.5	1.5	108	133	3800	5000	32211	62	64	87	91	95	4	5.7	0.4	1.5	0.81	22	0.878
	100	35	35	27	2	2	1.5	1.5	143	196	3400	4500	33211	63	64	85	93	96	6	8	0.4	1.5	0.8	25	1.17
	120	31.5	29	25	2.5	2.5	2	2	156	178	3200	4300	30311	70	65	104	110	112	4	6.5	0.35	1.7	0.96	25	1.65
	120	31.5	29	21	2.5	2.5	2	2	155	166	2800	3800	31311	68	65	92	112	112	3	11	0.83	0.7	0.4	38	1.78

Single Row Tapered Roller Bearings (Metric)



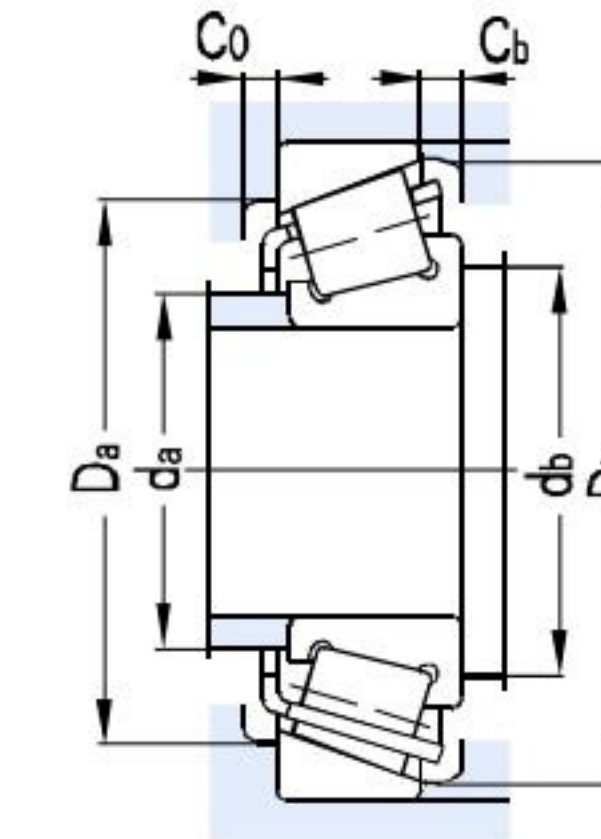
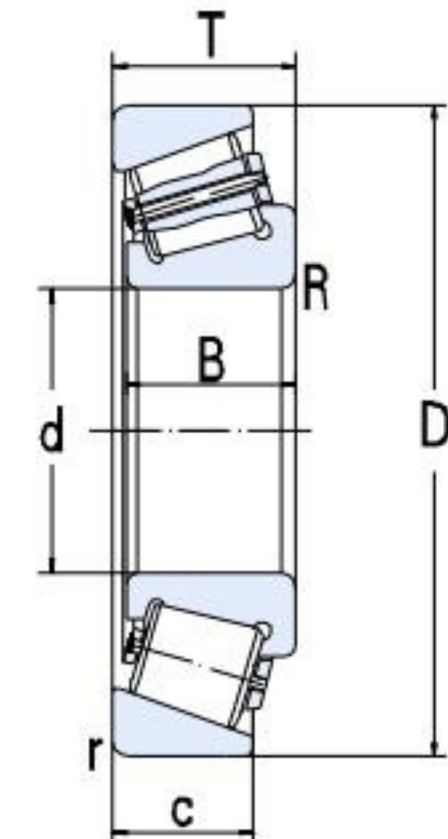
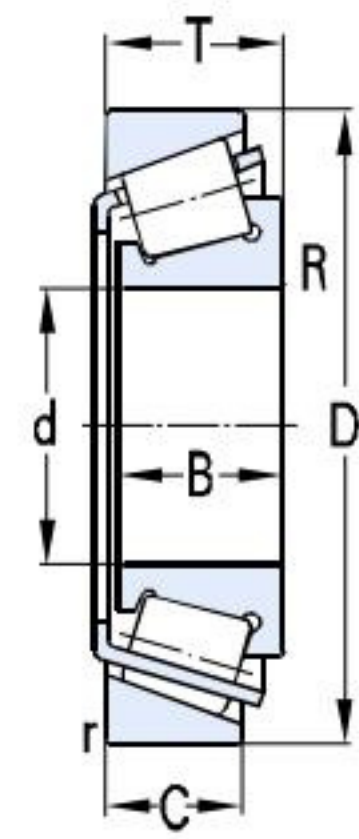
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	R Axial	r Radial	rAxial	Cr	Cor	Grease	Oil		damax	dbmin	Damin	Damax	Dbmin	Camin	Cbmin	e	Y	Yo		a
mm									KN		r/min			mm										Kg	
	120	45.5	43	35	2.5	2.5	2	2	218	280	3000	4000	32311	66	65	99	110	111	5	11	0.35	1.7	0.96	29	2.43
	125	37	36	25	3	3	2	2	148	172	2800	3800		30611B	69	67	95	117	117	3	12	0.73	0.8	0.45	38
60	85	17	17	14	1	1	1	1	40	65	3900	5100	32912	65	68	76	81	79	4	3	0.38	1.6	0.87	17	0.284
	95	23	23	17.5	1.5	1.5	1.5	1.5	90.3	112	3800	5000	32012	68	68	83	88	92	5	5.5	0.4	1.4	0.77	21	0.597
	95	27	27	21	1.5	1.5	1.5	1.5	101	158	2800	5000	33012	67	67	85	88	90	5	6	0.33	1.8	1	20	0.691
	100	30	30	23	1.5	1.5	1.5	1.5	116	171	3600	4800	33112	68	68	85	93	97	3.5	7	0.4	1.5	0.83	23	0.895
	110	23.75	22	19	2	2	1.5	1.5	106	124	3400	4500	30212	69	69	96	101	103	4	5	0.4	1.5	0.81	23	0.923
	110	29.75	28	24	2	2	1.5	1.5	133	170	3400	4500	32212	69	68	95	101	104	4	5.8	0.4	1.5	0.81	25	1.26
	130	33.5	31	26	3	3	2.5	2.5	163	185	3000	4000	30312	76	72	112	118	121	3.5	7.5	0.35	1.7	0.96	26	1.96
	130	33.5	31	22	3	3	2.5	2.5	138	155	2600	3600	31312	69	72	103	118	124	5	12	0.83	0.7	0.4	41	1.92
130	48.5	46	37	3	3	2.5	2.5	229	289	2600	3600	32312	72	72	107	118	122	6	12	0.35	1.7	0.96	31	2.90	
65	100	23	23	17.5	1.5	1.5	1.5	1.5	91.7	128	3400	4500	32013	72	72	90	93	97	4	5.5	0.46	1.3	0.7	22	0.612
	100	27	27	21	1.5	1.5	1.5	1.5	108	158	3400	4500	33013	72	73	87	93	97	3.5	6	0.3	1.7	0.95	21	0.732
	110	30.35	30	24	3	4	1.8	1.8	109	155	3200	4300	7813	76	79	94	105	106	3.5	6.4	0.4	1.5	0.82	25	1.10
	110	34	34	26.5	1.5	1.5	1.5	1.5	157	220	3200	4300	33113	76	73	94	103	107	3.5	7.5	0.39	1.6	0.85	26	1.30
	120	24.75	23	20	2	2	1.5	1.5	125	147	3000	4000	30213	77	74	106	111	114	4	5	0.4	1.5	0.81	24	1.14
	120	32.75	31	27	2	2	1.5	1.5	151	192	3000	4000	32213	75	74	104	111	115	4	5.8	0.4	1.5	0.81	28	1.58
	120	41	41	32	2	2	1.5	1.5	222	282	2800	3800	33213	75	74	102	113	115	6	9	0.4	1.5	0.8	29	2.00
	130	45	43	35	7	7	2	2	223	298	2800	3800	30613	80	66	108	122	122	3.5	10	0.33	1.8	0.99	30	2.64
	140	36	33	23	3	3	2.5	2.5	184	198	2800	3800	31313	75	77	111	128	134	5	13	0.83	0.7	0.4	44	2.46
	140	36	33	28	3	3	2.5	2.5	188	216	2600	3600	30313	83	72	120	131	131	3.5	8	0.35	1.7	0.96	28	2.49
140	51	48	39	3	3	2.5	2.5	264	335	2400	3400	32313	79	77	117	128	131	6	12	0.35	1.7	0.96	33	3.68	
70	100	20	20	16	1	1	1	1	70.5	114	3000	4000	32914	76	76	90	96	96	5	4	0.32	1.9	1.05	18	0.475
	110	25	25	19	1.5	1.5	1.5	1.5	106	163	3000	4000	32014	93	78	112	103	125	5	6	0.43	1.4	0.76	26	0.972
	120	37	37	29	2	2	1.5	1.5	164	258	3000	4000	33114	82	79	102	113	116	3.5	8	0.38	1.6	0.87	28	1.72
	120	45	42	37	2.5	2.5	2.5	2.5	138	198	3000	4000	30614	79	80	99	111	115	3.5	8	0.39	1.5	0.84	32	1.89
	125	26.25	24	21	2	2	1.5	1.5	119	142	3000	4000	30214	81	69	110	116	118	4	5.3	0.42	1.4	0.79	26	1.29
	125	33.25	31	27	2	2	1.5	1.5	170	227	2800	3800	32214	79	79	106	118	120	4	6.3	0.42	1.4	0.79	29	1.66
	125	41	41	32	2	2	1.5	1.5	191	285	2800	3800	33214	78	89	106	134	120			0.41				
	150	38	35	25	3	3	2.5	2.5	192	226	2400	3400	31314	78	82	118	138	140	5	13	0.83	0.7	0.4	47	2.87
	150	38	35	30	3	3	2.5	2.5	223	262	2400	3400	30314	89	82	130	138	141	5	8	0.35	1.7	0.96	30	3.08
150	54	51	42	3	3	2.5	2.5	305	390	2200	3200	32314	84	82	125	138	141	6	12	0.35	1.7	0.96	36	4.38	
75	115	25	25	19	1.5	1.5	1.5	1.5	104	160	3000	4000	32015	84	83	100	108	112	6	6	0.46	1.3	0.72	25	0.922

Single Row Tapered Roller Bearings (Metric)



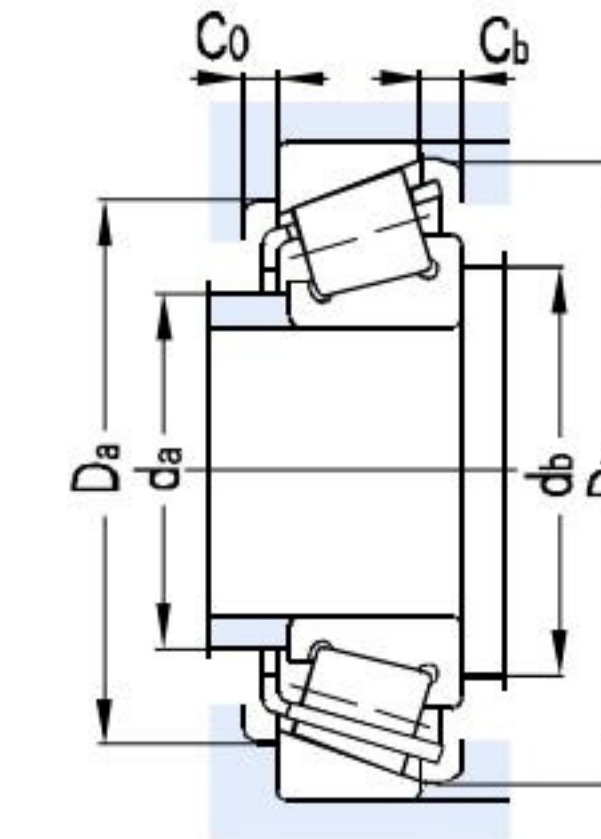
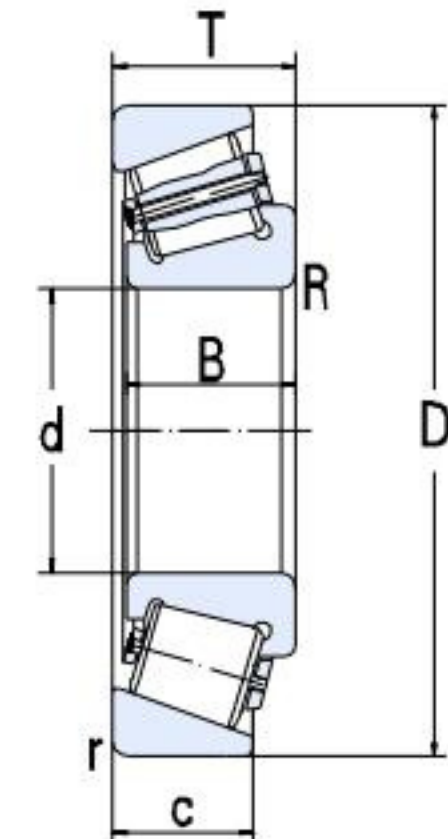
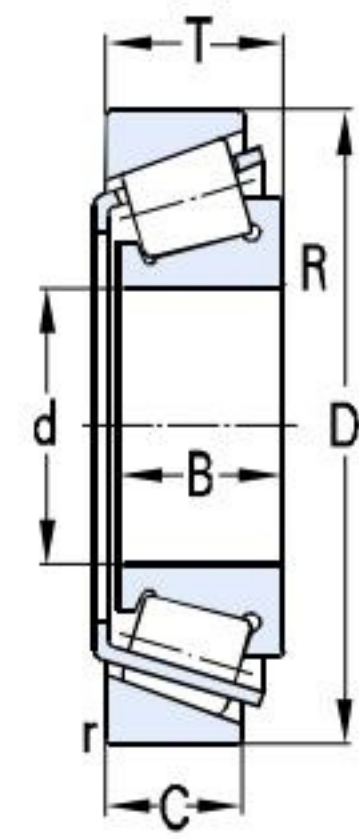
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	RAxial	rRadial	rAxial	Cr	Cor	Grease	Oil		damax	dbmin	Damin	Damax	Dbmin	Camin	Cbmin	e	Y	Yo		a
mm									KN		r/min			mm										Kg	
	115	31	31	25.5	1.5	1.5	1.5	1.5	130	213	3000	4000	33015	84	82	104	108	110	6	5.5	0.3	2	1.1	23	1.10
	125	37	37	29	2	2	1.5	1.5	174	275	2800	3800	33115	87	84	107	118	121	4.5	8	0.4	1.5	0.83	29	1.80
	130	27.25	25	22	2	2	1.5	1.5	139	175	2800	3800	30215	85	84	115	121	125	4.5	5.3	0.44	1.4	0.76	28	1.40
	130	33.25	31	27	2	2	1.5	1.5	173	231	2600	3600	32215	84	84	115	126	126	4.5	6.3	0.44	1.4	0.76	30	1.76
	130	41	41	31	2	2	1.5	1.5	199	282	2600	3600	33215	87	84	109	123	126	4.5	10	0.43	1.4	0.77	32	2.27
	135	44.5	45	36.5	2.5	2.5	2.5	2.5	232	340	2600	3600	30615	90	76	115	126	128	6	8	0.28	2.2	1.19	29	2.79
	160	40	37	31	3	3	2.5	2.5	259	285	2200	3200	30315	95	87	139	148	150	4.5	9	0.35	1.7	0.96	32	3.71
	160	40	37	26	3	3	2.5	2.5	229	276	2200	3200	31315	86	87	127	148	153	6	14	0.83	0.7	0.4	50	3.40
	160	58	55	45	3	3	2.5	2.5	345	455	2000	3000	32315	94	87	131	151	150	4.5	13	0.35	1.7	0.96	38	5.35
76	141	28.25	26	22	0.5	0.5	2	2	165	209	2300	3400	306/76	91	80	123	125	134	6.5	8	0.42				1.83
80	110	20	20	16	1	1	1	1	71	119	2700	3700	32916	86	88	100	106	106	5	6	0.35	1.7	0.96	38	0.548
	125	29	29	22	1.5	1.5	1.5	1.5	139	219	2600	3600	32016	90	88	109	118	121	6	7	0.42	1.4	0.78	27	1.26
	125	36	36	29.5	1.5	1.5	1.5	1.5	172	281	2600	3600	33016	90	87	112	117	119	6	6.5	0.28	2.1	1.1	26	1.62
	130	37	37	29	2	2	1.5	1.5	179	280	2600	3600	33116	91	81	111	123	127	4.5	8	0.42	1.4	0.79	31	2.79
	140	28.25	26	22	2.5	2.5	2	2	146	178	2400	3400	30216	90	90	124	130	133	4.5	6.3	0.42	1.4	0.79	29	1.56
	140	35.25	33	28	2.5	2.5	2	2	198	263	2400	3400	32216	89	90	122	130	135	5	7.3	0.42	1.4	0.79	32	2.19
	140	46	46	35	2.5	2.5	2	2	264	390	2200	3200	33216	90	90	117	132	136	4.5	11	0.43	1.4	0.78	35	2.89
	170	42.5	39	27	3	3	2.5	2.5	223	260	2200	3200	31316	92	91	128	156	156	6	16	0.83	0.7	0.4	53	3.65
	170	42.5	39	33	3	3	2.5	2.5	273	320	2000	3000	30316	102	92	146	158	160	5	9.5	0.35	1.7	0.96	34	4.32
	170	61.5	58	48	3	3	2.5	2.5	390	510	1900	2800	32316	97	92	142	158	160	4.5	14	0.35	1.7	0.96	41	6.43
85	130	29	29	22	1.5	1.5	1.5	1.5	138	220	2400	3400	32017	94	93	114	123	126	7	7	0.44	1.4	0.75	28	1.33
	130	36	36	29.5	1.5	1.5	1.5	1.5	195	330	2600	3600	33017	94	92	118	122	125	6	6.5	0.3	2	1.1	26	1.70
	140	41	41	32	2.5	2.5	2	2	215	350	2400	3400	33117	98	95	119	132	136	4.5	9	0.41	1.5	0.81	33	2.43
	150	30.5	28	24	2.5	2.5	2	2	167	204	2400	3400	30217	96	95	132	140	142	5	6.5	0.42	1.4	0.79	31	2.05
	150	38.5	36	30	2.5	2.5	2	2	230	315	2200	3200	32217	95	95	130	140	143	5	8.5	0.42	1.4	0.79	34	2.70
	150	49	49	37	2.5	2.5	2	2	286	236	2000	3000	33217	96	95	125	142	145	4.5	12	0.42	1.4	0.79	37	3.64
	180	44.5	41	28	4	4	3	3	254	300	2000	3000	31317	96	99	143	166	171	6	17	0.83	0.7	0.4	56	4.92
	180	44.5	41	34	4	4	3	3	299	355	1900	2800	30317	107	99	156	166	168	6	11	0.35	1.7	0.96	35	5.39
	180	63.5	60	49	4	4	3	3	425	560	1800	2600	32317	102	99	150	166	168	4.5	15	0.35	1.7	0.96	42	7.37
90	140	32	32	24	2	2	1.5	1.5	165	255	2200	3200	32018	100	99	122	133	135	7	8	0.42	1.4	0.78	30	1.77
	140	39	39	32.5	2	2	1.5	1.5	226	370	2200	3200	33018	100	99	127	132	135	7	6.5	0.27	2.2	1.3	27	2.24
	150	45	45	35	2.5	2.5	2	2	242	390	2000	3000	33118	101	101	130	140	144	7	10	0.4	1.5	0.8	35	3.15
	160	32.5	30	26	2.5	2.5	2	2	222	291	2000	3000	30218	102	100	140	150	151	5	6.5	0.42	1.4	0.79	33	2.73

Single Row Tapered Roller Bearings (Metric)



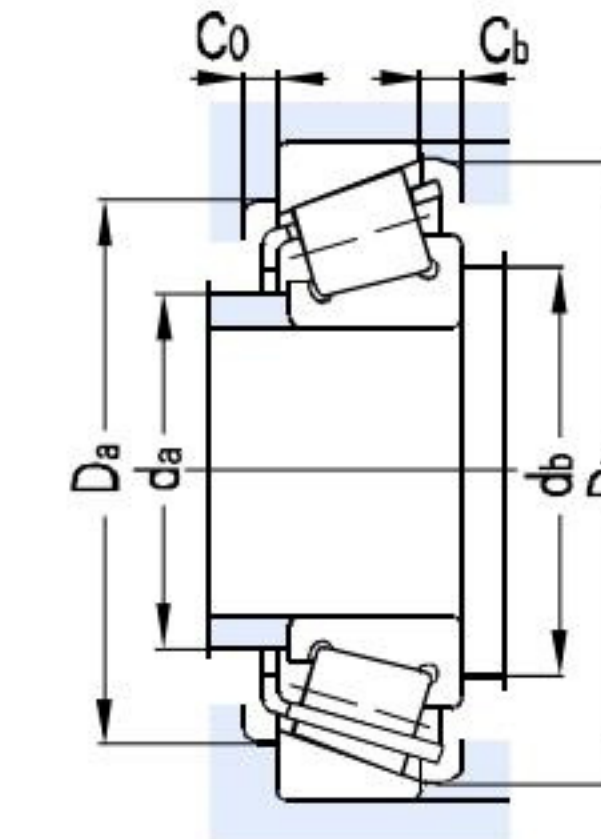
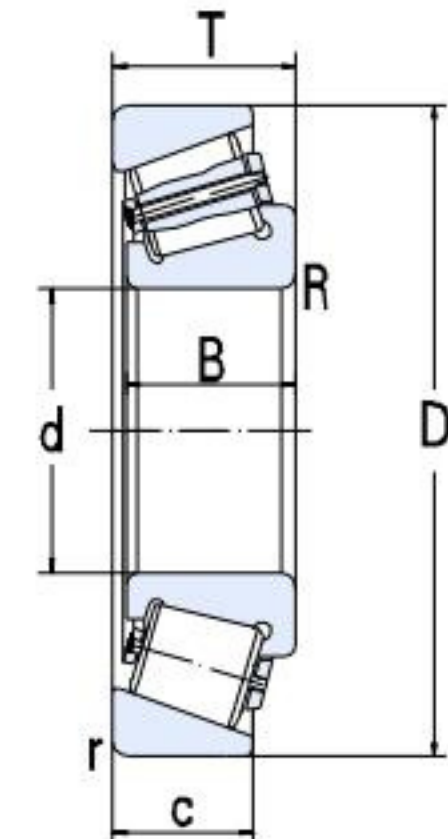
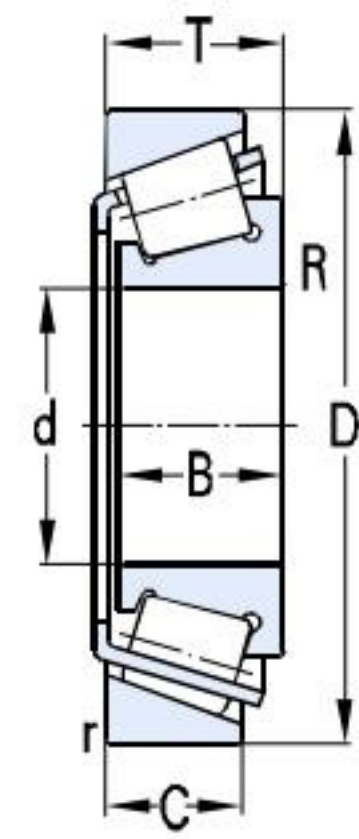
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	RAxial	rRadial	rAxial	Cr	Cor	Grease	Oil		damax	dbmin	Damin	Damax	Dbmin	Camin	Cbmin	e	Y	Yo	a	Kg
mm									KN		r/min			mm											
	160	42.5	40	34	2.5	2.5	2	2	274	280	2000	3000	32218	101	100	138	150	152	5	8.5	0.42	1.4	0.79	37	3.61
	160	55	55	42	2.5	2.5	2	2	330	495	2000	3000	33218	95	99	115	160	126	7	13	0.29	2.1	1.13	33	4.77
	170	62	59.5	49	2.5	2.5	2.5	2.5	360	520	2000	3000	30618	107	100	139	161	161	4.5	13	0.36	1.7	0.92	42	6.04
	190	46.5	43	30	4	4	3	3	283	340	2000	3000	31318	102	104	151	176	181	6	17	0.83	0.7	0.4	59	5.53
	190	46.5	43	36	4	4	3	3	335	410	1800	2600	30318	113	104	165	176	178	6	11	0.35	1.7	0.96	37	5.76
	190	67.5	64	53	4	4	3	3	485	650	1700	2400	32318	107	104	157	176	178	8	15	0.35	1.7	0.96	45	8.97
95	145	32	32	24	2	2	1.5	1.5	182	292	2200	3200	32019	105	104	130	138	139	6	8	0.44	1.35	0.8	31	1.87
	145	39	39	32.5	2	2	1.5	1.5	210	345	2200	3200	33019	105	104	128	138	140	4.5	6.5	0.28	2.2	1.19	29	2.32
	160	47	47	38	3	3	3	3	286	460	2200	3200	30619	108	107	137	149	153	4.5	9	0.34	1.8	0.97	35	3.79
	160	47	47	38	3	3	2.5	2.5	325	435	2200	3200	7819E	67	107	96	151	110	4.5	9	0.28	2.2	1.19	28	3.73
	170	34.5	32	27	3	3	2.5	2.5	233	300	1900	2800	30219	108	107	149	158	160	5	7.5	0.42	1.4	0.79	35	3.27
	170	45.5	43	37	3	3	2.5	2.5	298	415	1900	2800	32219	106	107	145	158	163	5	8.5	0.42	1.4	0.79	40	4.34
	170	58	58	44	3	3	2.5	2.5	405	560	1900	2800	33219	109	107	141	161	164	7	14	0.41	1.5	0.81	43	5.54
	200	49.5	45	32	4	4	3	3	305	370	1900	2800	31319	107	109	157	186	189	6	18	0.83	0.7	0.4	62	6.84
	200	49.5	45	38	4	4	3	3	365	445	1800	2600	30319	118	109	172	186	185	6	12	0.35	1.7	0.96	39	6.91
200	71.5	67	55	4	4	3	3	520	705	1700	2400	32319	114	109	166	186	187	8	17	0.35	1.7	0.96	47	10.0	
100	150	32	32	24	2	2	1.5	1.5	190	281	1600	2200	32020	110	109	131	143	145	4.5	8	0.46	1.3	0.72	33	1.87
	150	39	39	32.5	2	2	1.5	1.5	253	390	2000	3000	33020	109	109	132	143	144	4.5	6.5	0.29	2.1	1.15	29	2.36
	180	37	34	29	3	3	2.5	2.5	262	340	1900	2800	30220	114	112	157	168	169	5	8	0.42	1.4	0.79	37	3.56
	180	49	46	39	3	3	2.5	2.5	345	490	1800	2600	32220	113	112	154	168	172	5	10	0.42	1.4	0.79	42	5.31
	180	63	63	48	3	3	2.5	2.5	430	655	1700	2400	33220	112	112	151	168	172	10	15	0.4	1.5	0.8	43	6.58
	215	51.5	47	39	4	4	3	3	405	495	1700	2400	30320	127	114	184	201	199	6	13	0.35	1.7	0.96	41	8.09
	215	77.5	73	60	4	4	3	3	610	840	1600	2200	32320	122	114	177	201	201	8	18	0.35	1.7	0.96	51	13.2
215	56.5	51	35	4	4	3	3	390	490	1600	2200	31320	121	115	168	201	202	7	21.5	0.83	0.72	0.4	65	8.78	
105	170	56	56	44	3	3	2.5	2.5	375	605	1700	2200	30621	125	122	148	162	164	4.5	9	0.43	1.4	0.77	35	4.71
	160	35	35	26	2.5	2.5	2	2	199	320	1900	2800	32021	116	116	143	150	154	6	9	0.44	1.35	0.8	34	2.38
	160	43	43	34	2.5	2.5	2	2	266	405	1900	2800	33021	117	115	141	152	154	4.5	9	0.28	2.1	1.17	31	2.98
	190	39	36	30	3	3	2.5	2.5	292	365	1800	2600	30221	125	117	162	181	177	6	9	0.42	1.4	0.79	39	4.47
	190	53	50	43	3	3	2.5	2.5	385	555	1800	2600	32221	118	117	161	178	182	5	10	0.42	1.4	0.79	45	6.34
	190	68	68	52	3	3	2.5	2.5	475	730	1800	2600	33221	129	117	165	194	188	4.5	18	0.35	1.9	1.05	49	8.02
	190	53	50	43	3	3	2.5	2.5	375	605	1800	2600	32221	120	117	161	178	180	6	10	0.43	1.4	0.8	44	6.26
	225	53.5	49	41	4	4	3	3	430	530	1600	2200	30321	133	119	193	211	208	7	13	0.35	1.7	0.96	43	9.38
	225	81.5	77	63	4	4	3	3	660	915	1500	2000	32321	128	119	185	211	210	8	19	0.35	1.7	0.96	54	15.0

Single Row Tapered Roller Bearings (Metric)



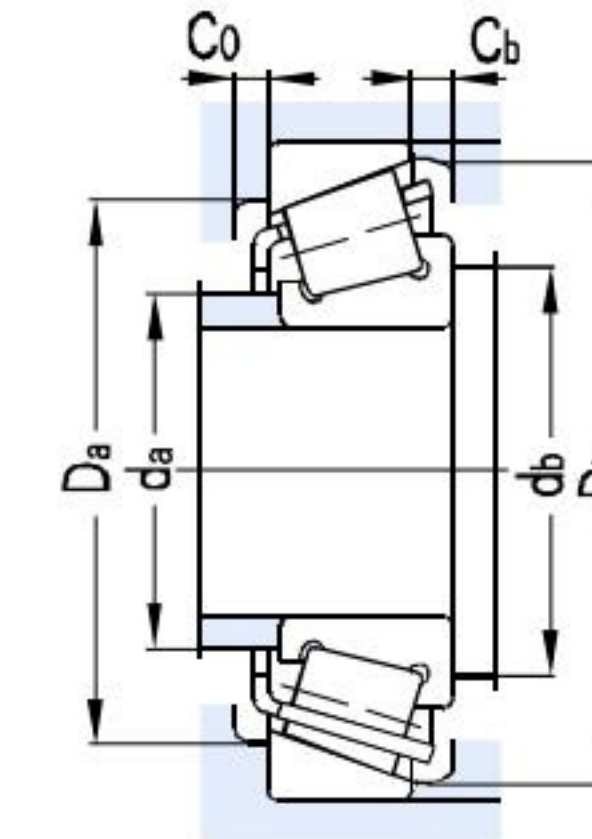
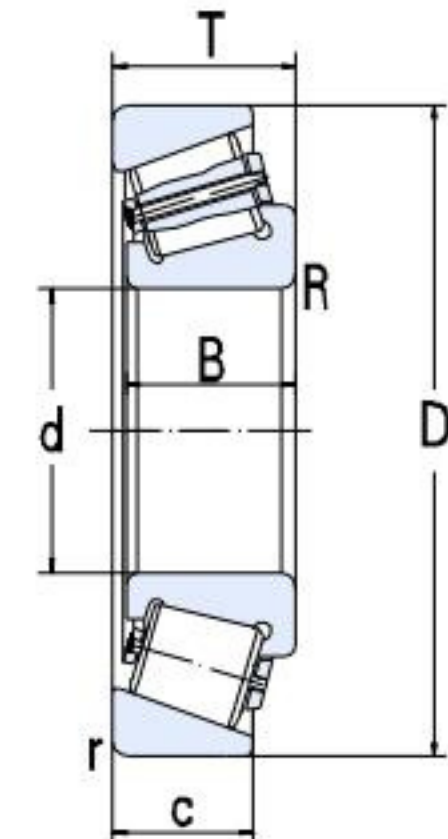
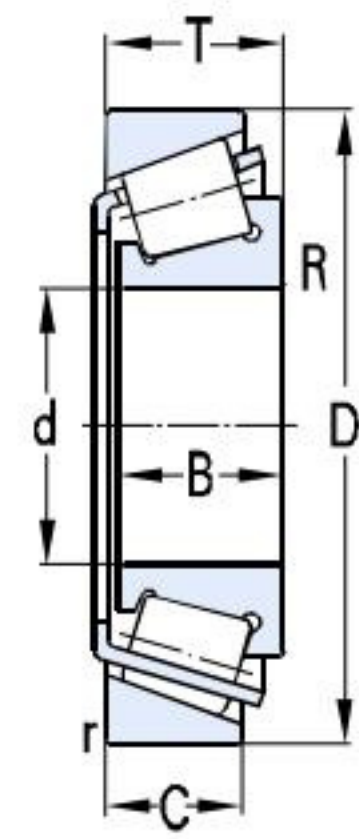
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	RAxial	rRadial	rAxial	Cr	Cor	Grease	Oil		damax	dbmin	Damin	Damax	Dbmin	Camin	Cbmin	e	Y	Yo	a	Kg
mm									KN		r/min			mm											
110	170	38	38	29	2.5	2.5	2	2	231	365	1800	2600	32022	123	120	148	162	164	4.5	9	0.43	1.4	0.77	37	3.08
	170	47	47	37	2.5	2.5	2	2	300	465	1800	2600	33022	123	120	148	162	162	4.5	10	0.29	2.1	1.15	33	3.75
	180	56	56	43	2.5	2.5	2	2	350	595	1800	2600	33122	125	120	151	172	175	4.5	13	0.42	1.4	0.79	44	5.56
	200	41	38	32	3	3	2.5	2.5	320	430	1700	2400	30222	132	122	171	191	187	6	9	0.42	1.4	0.79	41	5.27
	200	56	53	46	3	3	2.5	2.5	465	695	1700	2400	32222	124	122	170	188	192	6	10	0.42	1.4	0.79	48	7.62
	240	54.5	50	42	4	4	3	3	470	580	1600	2200	30322	142	124	206	226	222	8	13	0.35	1.7	0.96	45	11.1
	240	63	57	38	4	4	3	3	470	595	1600	2200	31322	129	124	188	226	226	7	25	0.83	0.7	0.4	75	12.5
	240	84.5	80	65	4	4	3	3	735	1030	1400	1900	32322	137	124	198	226	224	9	20	0.35	1.7	0.96	56	18.0
115	190	49	49	35	2.5	2.5	2.5	2.5	282	440	1600	2200	30623	131	120	160	181	180	4.5	14	0.44	1.4	0.74	42	5.13
120	165	29	29	23	1.5	1.5	1.5	2.5	189	320	1600	2200	32924	131	118	150	158	161	4.5	6	0.35	1.7	0.95	29	1.79
	180	38	38	29	2.5	2.5	2	2	237	395	1700	2400	32024	132	120	157	172	175	4.5	9	0.46	1.3	0.72	40	3.31
	180	48	48	38	2.5	2.5	2	2	295	530	1800	2600	33024	132	131	160	170	171	6	10	0.3	2	1.1	36	4.07
	200	62	62	48	2.5	2.5	2	2	440	770	1700	2400	33124	135	132	177	190	190	6	9.5	0.44	1.4	0.76	45	7.74
	215	43.5	40	34	3	3	2.5	2.5	330	445	1600	2200	30224	139	132	187	203	203	6	9.5	0.44	1.4	0.76	45	6.32
	215	61.5	58	50	3	3	2.5	2.5	480	720	1600	2200	32224	134	132	181	203	206	7	12	0.44	1.4	0.76	52	9.60
	260	59.5	55	46	4	4	3	3	565	710	1500	2000	30324	153	134	221	246	238	8	14	0.35	1.7	0.96	49	14.2
	260	68	62	42	4	4	3	3	540	690	1500	2000	31324	140	134	203	246	246	9	26	0.83	0.7	0.4	82	15.6
260	90.5	86	69	4	4	3	3	860	1330	1300	1800	32324	148	135	213	245	239	9	21.5	0.35	1.7	0.9	60	22.4	
130	200	45	45	34	2.5	2.5	2	2	340	580	1600	2200	32026	144	142	178	190	192	7	11	0.43	1.4	0.8	42	5.06
	230	43.75	40	34	4	4	3	3	360	480	1500	2000	30226	150	144	203	216	219	7	10	0.44	1.4	0.76	47	7.02
	230	67.75	64	54	4	4	3	4	555	845	1500	2000	32226	143	144	193	216	221	7	14	0.44	1.4	0.76	56	11.8
	280	63.75	58	49	5	5	4	5	645	815	1300	1800	30326	165	145	239	262	258	8	15	0.35	1.7	0.96	53	17.4
	280	72	66	44	5	5	4	4	620	805	1300	1800	31326	150	147	218	262	263	9	28	0.83	0.7	0.4	87	18.9
140	190	32	32	25	2	2	1.5	1.5	206	390	1600	2200	32928	150	150	177	182	184	6	7	0.35	1.7	0.9	33	2.55
	210	45	45	34	2.5	2.5	2	2	330	560	1600	2200	32028	154	150	183	202	204	4.5	11	0.46	1.3	0.72	46	5.84
	230	58	57	45	3	3	3	3	400	660	1600	2200	30628	182	152	217	219	242	4.5	13	0.44	1.4	0.74	56	8.97
	250	45.75	42	36	4	4	3	3	405	540	1400	1900	30228	162	154	219	236	234	9	11	0.44	1.4	0.76	50	8.80
	250	71.75	68	58	4	4	3	3	650	1000	1400	1900	32228	156	154	210	236	240	8	14	0.44	1.4	0.76	61	14.7
	300	67.75	62	53	5	5	4	4	740	945	1200	1700	30328	176	155	255	282	275	9	15	0.35	1.7	0.96	56	21.2
	300	107.75	102	85	5	5	4	4	1090	1630	1200	1700	32328	177	156	239	287	276	9	22.8	0.37	1.6	0.9	74	35.8
	300	77	70	47	5	5	4	4	695	900	1200	1700	31328	162	157	235	282	283	9	30	0.83	0.7	0.4	93	23.4
150	210	38	38	30	2.5	2.5	2	2	270	465	1500	2000	32930	161	160	190	202	202	9	7.5	0.33	1.83	1	36	3.83

Single Row Tapered Roller Bearings (Metric)



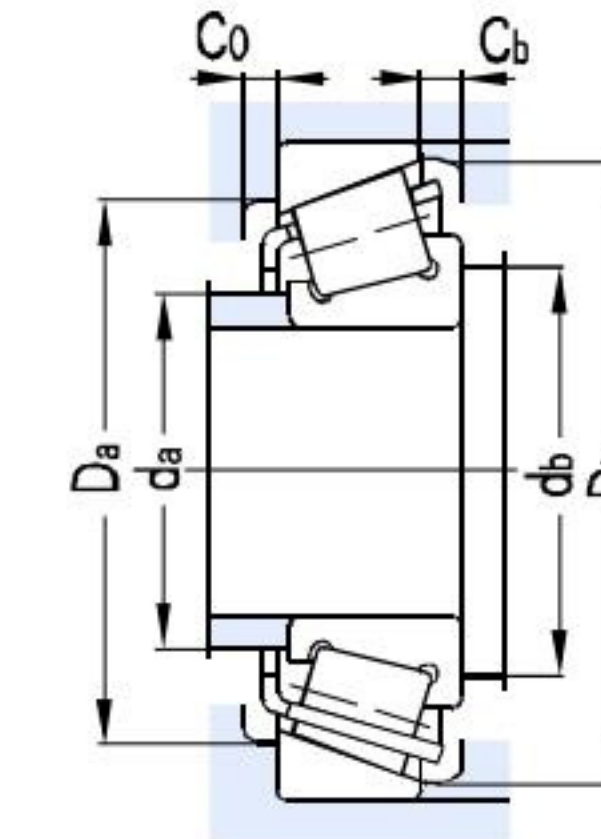
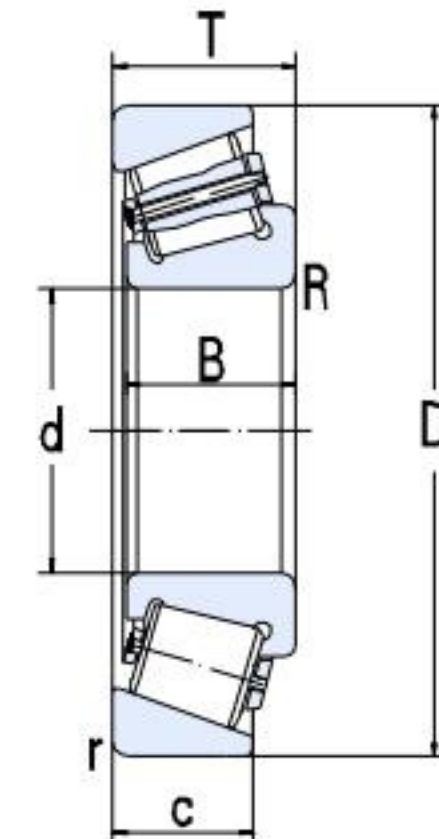
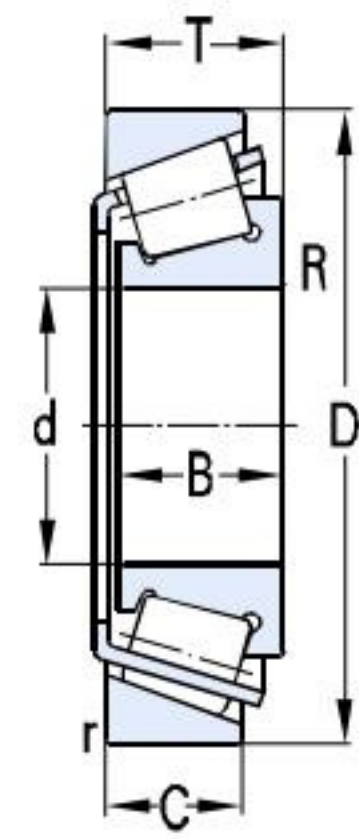
Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	R _{Radial}	R _{Axial}	r _{Radial}	r _{Axial}	C _r	C _{or}	Grease	Oil		d _{max}	d _{bmin}	D _{amin}	D _{amax}	D _{bmin}	C _{amin}	C _{bmin}	e	Y	Y _o	a	Kg
mm									KN		r/min			mm											
	225	48	48	36	3	3	2.5	2.5	365	635	950	1400	32030	161	160	197	216	217	9	13	0.46	1.3	0.72	49	6.40
	270	49	45	38	4	4	3	3	450	605	1300	1800	30230	174	164	234	256	252	9	11	0.44	1.4	0.76	53	11.2
	270	77	73	60	4	4	3	3	735	1140	1200	1700	32230	168	164	223	256	256	4.5	17	0.44	1.4	0.76	64	18.4
	320	72	65	55	5	5	4	4	815	1050	1100	1600	30330	190	165	273	302	294	4.5	17	0.35	1.7	0.96	60	25.5
	320	82	75	50	5	5	4	4	810	1060	950	1400	31330	181	170	251	303	300	9	32	0.83	0.72	0.4	96	27.5
	320	114	108	90	5	5	4	4	1280	1880	950	1400	32330	190	166	261	307	299	4.5	24	0.35	1.7	0.96	77	42.2
160	240	51	51	38	3	3	2.5	2.5	415	730	1100	1600	32032	174	173	211	231	232	8	13	0.46	1.3	0.72	53	7.69
	290	52	48	40	4	4	3	3	510	695	1100	1600	30232	189	174	252	276	271	9	12	0.44	1.4	0.76	57	13.4
	290	84	80	67	4	4	3	3	925	1490	1100	1600	32232	180	174	242	276	276	10	17	0.44	1.4	0.76	70	23.3
	340	75	68	58	5	5	4	4	915	1180	1000	1500	30332	201	180	290	323	310	9	17	0.35	1.7	0.9	61	29.5
	340	88	79	54	3.7	3.7	3.7	3.7	825	1080	1000	1500	31332	199	161	265	340	315	4.5	34	0.76	0.8	0.43	100	29.9
	340	121	114	95	5	5	4	4	1540	2230	1000	1500	32332	199	176	274	327	314	4.5	26	0.35	1.7	0.96	81	51.7
	375	86.55	79.4	50.3	5	5	5	5	870	1050	1000	1500	30632	214	176	295	375	337	4.5	37	0.7	0.9	0.47	98	40.7
170	230	38	38	30	2.5	2.5	2	2	280	560	1400	1900	32934	183	182	213	220	222	7	8	0.37	1.6	0.9	42	4.51
	260	57	57	43	3	3	2.5	2.5	520	870	1200	1700	32034	188	184	230	246	249	10	14	0.44	1.35	0.8	56	10.6
	310	57	52	43	5	5	4	4	605	845	1000	1500	30234	203	190	268	293	288	8	14	0.43	1.4	0.8	58	17.0
	310	91	86	71	5	5	4	4	1010	1630	1000	1500	32234	196	190	259	293	294	10	20	0.43	1.4	0.8	75	30.0
	360	80	72	62	5	5	4	4	950	1360	980	1450	30334	216	187	305	307	331	10	20	0.34			75	35.8
180	250	45	45	34	2.5	2.5	2	2	345	725	1600	2500	32936	194	192	225	240	241	8	11	0.48	1.25	0.7	53	6.7
	280	64	64	48	3	3	2.5	2.5	611	1070	950	1400	32036	199	192	247	268	267	9	16	0.42	1.4	0.8	75	13.9
	320	57	52	43	5	5	4	4	590	820	1000	1500	30236	209	198	278	302	300	4.5	14	0.45	1.3	0.73	64	17.8
	320	91	86	71	5	5	4	4	1020	1670	950	1400	32236	208	196	264	307	304	10	20	0.45	1.3	0.73	78	32.3
	380	98	88	60	5	5	4	4	1050	1500	900	1300	31336	217	220	289	368	355	12	21	0.55	0.73	0.8	120	46.4
	380	83	75	64	5	5	4	4	1180	1580	900	1300	30336	207	233	362	324	345	10	19	0.36	1.7	0.92	72.4	41.4
190	260	45	45	34	2.5	2.5	2	2	340	745	1100	1600	32938	205	202	235	252	251	10	9.5	0.48	1.25	0.7	55	6.94
	290	64	64	48	3	3	2.5	2.5	650	1180	1000	1500	32038	210	204	257	276	279	10	16	0.44	1.35	0.8	62	14.5
	340	60	55	46	5	5	4	4	740	1040	950	1400	30238	229	206	294	327	317	4.5	14	0.44	1.4	0.76	67	20.6
	340	97	92	75	5	5	4	4	1100	1080	950	1300	32238	214	208	286	322	326	10	22	0.44	1.4	0.76	81	36.1
200	280	51	51	39	3	3	2.5	2.5	455	935	1000	1500	32940	218	215	252	271	270	4.5	11	0.39	1.5	0.84	54	9.56
	310	70	70	53	3	3	2.5	2.5	760	1370	950	1400	32040	222	214	273	296	297	11	17	0.43	1.4	0.8	66	19.5
	360	64	58	48	5	5	4	4	780	1100	900	1300	30240	236	218	315	342	338	9	16	0.44	1.4	0.76	70	25.4
	360	104	98	82	5	5	4	4	1350	2144	900	1300	32240	222	218	302	342	342	11	22	0.41	1.5	0.81	84	42.6

Single Row Tapered Roller Bearings (Metric)



Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	RAxial	rRadial	rAxial	Cr	Cor	Grease	Oil		damax	dbmin	Damin	Damax	Dbmin	Camin	Cbmin	e	Y	Yo		a
mm									KN		r/min			mm										Kg	
	420	146	138	115	5	5	5	5	1820	2850	800	1100	32340	239	253	398	346	346	11	31	0.37	1.6	0.88	107	90.5
220	300	51	51	39	3	3	2.5	2.5	465	960	950	1400	32944	234	234	275	286	290	9	12	0.43	1.4	0.8	58	10.0
	340	76	76	57	4	4	3	3	850	1520	900	1300	32044	244	234	300	325	326	12	19	0.43	1.4	0.8	72	23.9
	400	72	65	54	5	5	4	4	975	1370	900	1300	30244	256	220	334	382	382	10	18	0.42	1.4	0.79	77	36.8
	400	114	108	90	5	5	4	4	1650	2770	900	1300	32244	256	220	334	382	382	10	24	0.44	1.4	0.76	96	62.7
240	320	51	51	39	3	3	2.5	2.5	500	1050	850	1200	32948	255	254	294	308	311	9	12	0.46	1.3	0.7	64	11.5
	360	76	76	57	4	4	3	3	1820	3300	850	1200	32048	262	256	318	345	346	12	19	0.46	1.3	0.7	78	26
	440	127	120	100	5	5	4	4	1900	3300	700	950	32248	276	262	365	420	415	14	27	0.43	1.4	0.8	105	82.5
	440	79	72	60	5	5	4	4	1070	1550	750	1000	30248	267	288	422	384	408	11	19	0.44	1.4	0.74	85	46.8
	500	165	155	132	6	6	5	5	2360	4100	670	900	32348	279	301	478	410	464	12	33	0.37	1.6	0.88	123	147
254	422.27	86.1	79.8	66.7	4.7	4.7	2.5	2.5	1110	1760	850	1200	306/254	297	270	370	413	399	13	19	0.36	1.7	0.9	80	45.4
255	560	123.05	104.8	70	6	6	6	6	1920	2690	560	750	30651	329	274	435	542	510	13	53.1	0.87	0.7	0.38	171	127
260	360	63.5	63.5	48	3	3	2.5	2.5	650	1270	800	1100	32952	286	272	325	351	344	13	13	0.3	2	1.09	60	17.9
	400	87	87	65	5	5	4	4	1110	2030	800	1100	32052	287	282	352	383	383	13	12	0.43	1.4	0.8	84	39.8
	480	89	80	67	6	6	5	5	1430	2150	670	900	30252	293	316	458	421	447	12	22	0.44	1.4	0.74	94	63.9
	480	137	130	105	6	6	5	5	2160	3650	670	900	32252	305	279	394	465	451	13	32	0.43	1.4	0.77	113	105
	540	114	102	85	6	6	6	6	2015	2730	670	900	30352	332	279	449	522	481	10	29	0.32	1.9	1.04	92	113
280	380	63.5	63.5	48	3	3	2.5	2.5	727	1500	800	1100	32956	305	292	344	371	364	13	13	0.43	1.4	0.77	100	20
	420	87	87	65	5	5	4	4	1200	2300	750	1000	32056	305	302	370	400	402	14	22	0.46	1.3	0.7	89	40.4
300	420	74.5	72	62	4	4	3	3	710	1810	700	950	32960	330	314	379	409	400	13	15	0.28	2.1	1.17	67	30.2
	420	76	76	57	4	4	3	3	997	1870	700	950	32976	324	317	383	404	405	12	19	0.4	1.5	0.8	79	50.0
	460	100	100	74	5	5	4	4	1460	2740	670	900	32060	330	322	404	440	439	15	26	0.43	1.4	0.8	97	56.6
	540	149	140	115	6	6	5	5	2680	4700	600	800	30660	343	326	453	518	511	17	34	0.43	1.4	0.8	126	142
320	440	76	76	57	4	4	3	3	1030	2300	650	900	32964	343	337	402	424	426	13	19	0.43	1.4	0.8	84	34.5
	480	100	100	74	5	5	4	4	1540	2940	630	850	32064	354	336	419	467	463	13	26	0.46	1.3	0.72	104	62.7
	580	104	92	75	6	6	5	5	1700	2560	530	750	30264	353	381	558	503	533	14	29	0.44	1.4	0.74	114	103
	620	141	125	107	7.5	7.5	7.5	7.5	2780	4600	520	680	30664	380	354	501	586	577	16	34	0.6	1	0.6	154	183
340	460	76	76	57	4	4	3	3	1030	2350	500	830	32968	361	357	421	444	446	14	19	0.44	1.35	0.8	90	36.5

Single Row Tapered Roller Bearings (Metric)



Basic Dimensions									Basic Load Ratings		Limit Rotational Speed		Bearing Part Number	Mounting Dimensions						Calculation Factors				Weight	
d	D	T	B	C	RRadial	RAxial	rRadial	rAxial	Cr	Cor	Grease	Oil		d _{amax}	d _{bmin}	D _{amin}	D _{amax}	D _{bmin}	C _{amin}	C _{bmin}	e	Y	Y ₀		a
mm									KN		r/min			mm										Kg	
360	480	76	76	57	4	4	4	4	1060	2220	500	630	32972	388	374	433	467	468	13	19	0.46	1.3	0.72	97	38.5
	530	80	66	59	5	5	5	5	1030	1900	500	630	30672	410	376	476	515	502	13	21	0.4	1.5	0.82	95	53.2
380	520	87	82	71	5	5	4	4	1190	2670	560	750	32976	407	406	502	478	501	16	16	0.39	1.6	0.86	95	50.0
400	500	60	57	47	4	4	3	3	460	950	400	500	30680	368	414	406	489	430	13	13	0.38	1.6	0.86	77	25.1
	540	87	82	71	5	5	4	4	1280	2880	380	480	32980	450	436	500	550	530	8	8	0.4	1.4	0.8	185	54.1
	540	70	65	48	4	4	4	4	965	1930	350	450	31980	450	436	500	550	530	8	8	0.42	1.5	0.9	100	39.7
420	560	70	65	51	4	4	4	4	1020	2090	420	560	31984	458	436	528	528	549	13	28	0.41	1.5	0.81	106	41.7
	620	125	118	100	6	6	5	5	2300	5100	380	480	32084	473	444	572	572	600	13	28	0.37	1.6	0.88	120	125
460	860	210	190	160	7.5	7.5	7.5	7.5	5590	10100	350	470	30692	530	494	690	826	804	10	50	0.57	1.05	0.6	218	512
470	630	80	80	62	5	5	5	5	1410	3100	380	500	30694	498	487	580	582	603	10	26	0.319				66
480	950	240	225	174	9.5	9.5	9.5	9.5	6980	12500	310	420	30696	570	524	761	906	877	32	66	0.54	1.1	0.6	230	761
560	1080	265	235	208	9.5	9.5	9.5	9.5	8910	15700	180	270	306/560	660	604	887	1036	995	27	50	0.43	1.4	0.8	241	1063
600	720	73	69	56	3	3	3	3	1230	3320	380	480	306/600	680	613	680	682	703	20	30	0.365				53.0
610	820	105	95	80	6	6	6	6	1830	4200	360	450	306/610	661	630	741	743	777	20	37	0.374				139
630	850	132	132	95	6	6	6	6	3080	7150	360	450	329/630	675	649	766	832	821	13	37	0.46	1.3	0.72	168	200
710	950	114	106	80	6	6	6	6	2860	6900	260	360	319/710	774	729	864	932	909	13	34	0.46	1.3	0.72	175	210