

HRB Bearings Catalogue - Thrust Bearings - Angular Contact Thrust Ball Bearings

Bearing numbers	Boundary dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
	d	D	B	r _{min}	r1 _{min}	Cr	Cor	Grease	Oil	da _{min}	db _{min}	Da _{max}	ra _{max}	a	
7602012TN	12	32	10	1	0.6	11.6	20.4	6000	5300	18	17	27	0.6	24	0.04
7602015TN	15	35	11	1	0.6	12.5	24.5	5300	5000	21	20	30	1.6	27	0.05
7602017TN	17	40	12	1	0.6	16.6	33.5	4500		23	22	35	0.6	31	0.07
7603017TN	17	47	14	1	0.6	15.9	24.2	4200		23	22	42	0.6	32.1	0.13
7602020TN	20	47	14	1	0.6	15.1	25	4000	4500	26	25	42	0.6	36.1	0.12
7603020TN	20	52	15	1	0.6	19.6	30.8	3600	4300	26	25	47	0.6	38.7	0.17
7602025TN	25	52	15	1.1	1	17.4	30.7	3400	4300	32	31	46	1	41	0.16
7603025TN	25	62	17	1.1	1	23.3	41.4	3000	4000	32	31	56	1	46.4	0.26
7603028TN/R01	25	62	15	1.1	1	23.3	41.4	3000	4000	32	31	56	1	45.4	0.23
7602030TN	30	62	16	1.1	1	22.1	41.5	2800	3800	37	36	56	1	48	0.22
7602030TN/R01	30	62	15	1.1	1	22.1	41.5	2800	3800	37	36	56	1	47.5	0.21
7603030TN	30	72	19	1.1	1	29.9	54.1	2600	3600	39	37	65	1	53.9	0.4
7602035TN	35	72	17	1.5	1.1	26.2	54.5	2400	3600	44	42	65	1	55	0.32
7603035TN	35	80	21	1.5	1.1	36.5	100	2200	3400	44	42	73	1	67	0.53
7602035TN/R01	38.1	71.999	15.875	1.5	1.1	26.2	54.5	2600	3600	47	45	65	1	54.5	0.28
7602040TN	40	80	18	1.5	1.1	30.9	66.2	2200		48	47	73	1	61.2	0.41
7603040TN/R01	40	90	20	1.5	1.1	48.2	93.6	2000	2800	49	47	83	1	66.6	0.63
7603040TN	40	90	23	1.5	1.1	48.2	93.6	2000	2800	49	47	83	1	68.1	0.72
7602045TN	45	85	19	1.5	1.1	36.2	78.7	2000		54	52	78	1	66	0.46
7603045TN	45	100	25	1.5	1.1	58.5	170	1800		54	52	93	1	77.5	1.02
7602050TN	50	90	20	1.5	1.1	36.9	83.7	1900		60	58	83	1	70.9	0.53

HRB Bearings Catalogue - Thrust Bearings - Angular Contact Thrust Ball Bearings

Bearing numbers	Boundary dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)					Weight (kg)
	d	D	B	r _{min}	r1 _{min}	Cr	Cor	Grease	Oil	da _{min}	db _{min}	Da _{max}	ra _{max}	a	
7603050TN	50	110	27	1.5	1.1	69.5	208	1600		60	58	103	1	85.5	1.33
7602055TN	55	100	21	1.5	1.1	40.5	132	1700		65	63	92	1	77.5	0.75
7603055TN	55	120	29	1.5	1.1	69.4	148	1500		65	63	112	1	90.7	1.63
7602060TN	60	110	22	1.5	1.1	56	183	1600		70	68	102	1	86	0.96
7603060TN	60	130	31	1.5	1.1	88	270	1400		70	68	122	1	98	2.12
7602065TN	65	120	23	1.5	1.1	57	196	1400		75	73	112	1	92.5	1.2
7603065TN	65	140	33	1.5	1.1	100	325	1300		75	73	132	1	107.5	2.6
7602070TN	70	125	24	1.5	1.1	65.5	224	1400		80	78	117	1	96.5	1.32
7903070TN	70	150	35	1.5	1.1	110	360	1200		80	78	142	1	113	3.16
7602075TN	75	130	25	1.5	1.1	67	240	1300		85	83	122	1	102.5	1.45
7603075TN	75	160	37	1.5	1.1	125	425	1100		85	83	152	1	123	3.79
7602080TN	80	140	26	1.5	1.1	76.5	280	1200		90	88	132	1	109	1.76
7603080TN	80	170	39	1.5	1.1	137	465	1100		90	88	162	1	129.5	4.5
7602085TN	85	150	28	1.5	1.1	88	325	1100		95	93	148	1	117	2.19
7603085TN	85	180	41	1.5	1.1	160	540	1000		95	93	172	1	136	5.29
7602090TN	90	160	30	1.5	1.1	98	365	1100		100	98	152	1	124	2.69
7603090TN	90	190	43	1.5	1.1	163	570	950		100	98	182	1	142.5	6.17
7602095TN	95	170	32	1.5	1.1	110	415	1000		105	103	162	1	131	3.26
7603095TN	95	200	45	1.5	1.1	163	600	900		105	103	192	1	150	7.15
76020100TN	100	180	34	1.5	1.1	122	465	950		110	108	170	1	138	3.19
76030100TN	100	215	47	1.5	1.1	193	710	850		110	108	205	1	161	8.73

HRB Bearings Catalogue - Thrust Bearings - Thrust Ball Bearings

Bearing numbers		Boundary dimensions (mm)										Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
With flat seat	With aligning seat	d	d1	D	D1	H	C	H1	r _{min}	S	R	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	
51100		10	11	24	24	9			0.3			9.32	8.11	7000	9500	19	15	0.3	0.0188
51200	53200	10	12	26	26	11		11.6	0.6	8.5	22	12.7	10.4	6000	8000	20	16	0.6	0.0282
51101		12	13	26	26	9			0.3			9.67	9.49	6700	9000	21	17	0.3	0.021
51201	53201	12	14	28	28	11	3.5	11.4	0.6	11.5	25	13.2	12.3	6000	8000	22	18	0.6	0.0319
51102		15	16	28	28	9			0.3			10.5	12	6300	8500	23	20	0.3	0.0219
51303	53202	15	17	32	32	12	4	13.3	0.6	12	28	13.4	14.5	5300	7000	25	22	0.6	0.043
51103		17	18	30	30	9			0.3			10.8	13.4	6300	8500	25	22	0.3	0.0246
51203	53203	17	19	35	35	12	4	13.2	0.6	16	32	17.2	18.8	5000	6700	28	24	0.6	0.0503
51104		20	21	35	35	10			0.3			15	19.7	5600	7500	29	26	0.3	0.0371
51204	53204	20	22	40	40	14	5	14.7	0.6	18	36	21.1	23.9	4500	6000	32	28	0.6	0.0746
51304		20	22	47	47	18			1			34.3	36.3						0.149
F-2905		25	25.2	50	50	14			0.6			14.8	29.7						0.0919
51105		25	26	42	42	11			0.6			15.4	23.9	4800	6300	35	32	0.6	0.0554
51205	53205	25	27	47	47	15	5.5	16.7	0.6	19	40	27.7	36.3	4000	5300	38	34	0.3	0.107
51305	53305	25	27	52	52	18		19.8	1	21	45	35.7	42.1	3400	4500	41	36	1	0.166
51405	53405	25	27	60	60	24		26.4	1	19	50	55.4	59.8	2600	3600	46	39	1	0.337
F-2906		30	30.2	50	50	14			0.6			19.1	40.1						0.106
51106		30	32	47	47	11			0.6			16.6	29.4	4500	6000	40	37	0.6	0.0692
51206	53206	30	32	52	52	16	5.5	17.8	0.6	22	45	29.3	43.8	3600	4800	43	39	0.6	0.134
51306	53306	30	32	60	60	21	7	22.6	1	22	50	47.1	57.2	2800	3800	48	42	1	0.257
51406	53406	30	32	70	70	28		30.1	1	20	56	72.2	81	2000	3000	54	46	1	0.523
F-2907		35	35.2	55	55	16			0.6			22.9	49.4						0.132
51107		35	37	52	52	12			0.6			19.1	35.9	4300	5600	45	42	0.6	0.0806
51207	53207	35	37	62	62	18	7	19.9	1	24	50	39.1	58.6	3000	4000	51	46	1	0.209

HRB Bearings Catalogue - Thrust Bearings - Thrust Ball Bearings

Bearing numbers		Boundary dimensions (mm)										Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
With flat seat	With aligning seat	d	d1	D	D1	H	C	H1	r _{min}	S	R	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	
51307	53307	35	37	68	68	24	7.5	25.6	1	24	56	55.4	73.9	2400	3400	55	48	1	0.371
51407	53407	35	37	80	80	32		34	1.1	23	64	86.4	102	1800	2600	62	53	1	0.771
51108		40	42	60	60	13			0.6			26.9	51.2	3800	5000	52	48	0.6	0.116
F-2908		40	40.2	60	60	16			0.6			24.1	55.6						0.156
51208	53208	40	42	68	68	19	7	20.3	1	28.5	56	47	74.1	2800	3800	57	51	1	0.262
51308	53308	40	42	78	78	26	8.5	28.5	1	28	64	68.9	95.8	2000	3000	63	55	1	0.536
51408	53408	40	42	90	90	36	12	38.2	1.1	26	72	112	133	1700	2400	70	60	1	1.09
F-2909		45	45.2	68	68	16			0.6			21.4	55.1						0.2
51109		45	47	65	65	14			0.6			27.9	57.5	3400	4500	57	53	0.3	0.14
51209	53209	45	47	73	73	20	7.5	21.3	1	26	56	47.5	81.5	2600	3600	62	56	1	0.304
51309	53309	45	47	85	85	28	10	30.1	1	25	64	79.5	118	1900	2800	69	61	1	0.68
51409	53409	45	47	100	100	39	12.5	42.4	1.1	29	80	130	240	1600	2200	78	67	1	1.4
51110		50	52	70	70	14			0.6			28	61	3200	4300	62	58	0.6	0.148
51210	53210	50	52	78	78	22	7.5	23.5	1	32.5	64	54.4	94.4	2400	3400	67	61	1	0.365
51310	53310	50	52	95	95	31	11	34.3	1.1	28	72	96.2	146	1800	2600	77	68	1	0.936
51410	53410	50	52	110	110	43	14	45.6	1.5	35	90	159	310	1500	2000	86	74	1.5	2
51111		55	57	78	78	16			0.6			34.7	78.7	2800	3800	69	64	0.6	0.223
51211	53211	55	57	90	90	25	9	27.3	1	35	72	69.4	123	1900	2800	76	69	1	0.592
51311	53311	55	57	105	105	35	11.7	39.3	1.1	30.3	80	126	189	1600	2200	85	75	1	1.31
51411	53411	55	57	120	120	48		50.5	1.5	28	90	178	360	1300	1800	94	81	1.5	2.55
51112	51112	60	62	85	85	17			1			40.2	91	2600	3600	75	70	1	0.278
51212	53212	60	62	95	95	26	9	28	1	32.5	72	70.6	133	1900	2800	81	74	1	0.663
51312	53312	60	62	110	110	35	11.5	38.3	1.1	41	90	129	209	1600	2200	90	80	1	1.38
51412M	53412M	60	62	130	130	51	16	54	1.5	34	100	178	360	1300	1800	94	81	1.5	2.55
51113		65	67	90	90	18	65		1			40.2	91	2400	3400	80	75	1	0.314

HRB Bearings Catalogue - Thrust Bearings - Thrust Ball Bearings

Bearing numbers		Boundary dimensions (mm)										Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
With flat seat	With aligning seat	d	d1	D	D1	H	C	H1	r _{min}	S	R	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	
51213	53213	65	67	100	100	27	9	27.7	1	40	80	72	144	1800	2600	86	79	1	0.741
51313	53313	65	67	115	115	36	12.5	39.4	1.1	38.5	90	138	229	1500	2000	95	85	1	1.51
51413M	53413M	65	68	140	1740	56		60.2	2	40	112	216	450	1000	1500	110	95	2	4
51114		70	72	95	95	18			1			47.8	114	2400	3400	85	80	1	0.34
61214	53214	70	72	105	105	27	9	28.8	1	38	870	76	162	1800	2600	91	84	1	0.792
51314	53314	70	72	125	125	40	13	44.2	1.1	43	100	161	268	1400	1900	103	92	1	2
51414M	53414M	70	73	150	150	60	19.5	63.6	2	34	112	234	500	950	1400	118	102	2	5
51115		75	77	100	100	19			1			48.1	120	2200	3200	90	85	1	0.382
51215	53215	75	77	110	110	27	9.5	28.3	1	49	90	77.1	172	1700	2400	96	89	1	0.817
51315	53315	75	77	135	135	44	15	48.1	1.5	37	100	184	311	1200	1700	111	99	1.5	2.59
51415M	53415M	75	78	160	160	65	21	69	2	42	125	251	560	900	1300	126	109	2	6.75
51116		80	82	105	105	19			1			50	130	2000	3000	95	90	1	0.406
51216	53216	80	82	115	155	28	10	29.5	1	46	90	86.4	793	1700	2400	101	94	4	0.908
51316	53316	80	82	140	140	44	15	47.6	1.5	50	112	189	339	1200	1700	116	104	1.5	2.72
51416M	53416M	80	83	170	170	68	22	72	2.1	36	125	270	620	850	1200	133	117	2	7.95
51117		85	87	110	110	19			1			49.3	131	2000	3000	100	95	1	0.424
51217	53217	85	88	125	125	31	11	33.1	1	52	100	97.9	229	1600	2200	109	101	1	1.25
51317	53317	85	88	150	150	49	17.5	53.1	1.5	43	112	215	389	1100	1600	124	111	1.5	3.52
51417M	53417M	85	88	180	177	72		77	2.1	47	140	286	680	850	1200	141	124	2	9.45
51118		90	92	120	120	22			1			66.5	177	1800	2600	108	102	1	0.652
51218	53218	90	93	135	135	35	13.5	38.5	1.1	45	100	125	277	1500	2000	117	108	1	1.68
51318	53318	90	93	155	155	50	18	54.6	1.5	40	112	232	410	1000	1500	129	116	1.5	3.73
51418M	53418M	90	93	190	187	77	25.5	81.2	2.1	40	140	307	750	8000	1100	149	131	2	11
51120		100	102	135	135	25			1			87	251	1600	2200	131	124	1	0.958
51220	53220	100	103	150	150	38	14	40.9	1.1	52	112	155	341	1300	1800	130	120	1	2.23

HRB Bearings Catalogue - Thrust Bearings - Thrust Ball Bearings

Bearing numbers		Boundary dimensions (mm)										Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
With flat seat	With aligning seat	d	d1	D	D1	H	C	H1	r _{min}	S	R	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	
51320	53320	100	103	170	170	55	18	59.2	1.5	46	125	229	560	950	140	142	128	1.5	4.95
51420M	53420M	100	103	210	205	85	27	90	3	50	160	371	965	700	950	165	145	2.5	15
51122		110	112	145	145	25			1			87	251	1600	2200	131	124	1	1.05
51222	53222	110	113	160	160	38	14	40.2	1.1	65	125	162	384	1200	1700	140	130	1	2.42
51322M	53322M	110	113	190	187	63	20.5	67.2	2	51	140	276	720	850	1200	158	142	2	7.85
51422M	53422M	110	113	230	225	95		99.7	3	59	180	410	1140	630	850	181	159	2.5	20
51124		120	122	155	25	17		1	1			88.9	271	1600	2200	141	134	1	1.12
51224	53224	120	123	170	170	39	15	40.8	1.1	61	125	163	409	1100	1600	150	140	1	2.67
51324M	53324M	120	123	210	205	70	22	74.1	2.1	63	160	325	915	800	1100	173	157	2	11
51424M	53424M	120	123	250	245	102		107.3	4	70	200	423	1220	600	800	197	173	3	25.5
51126		130	132	170	170	30			1			111	341	1400	1900	154	146	1	1.71
51226	53226	130	133	190	187	45	17	47.9	1.5	67	140	186	540	950	1400	166	154	1.5	4
51326M	53326M	130	134	225	220	75		80.3	2.1	53	160	358	1060	750	1000	186	169	2	13
51426	53426	130	134	270	265	110		115.2	4	58	2000	520	1600	560	750	213	187	2	32
51128		140	142	180	178	31			1			113	366	1300	1800	164	156	1	1.86
51228	53228	140	143	200	197	46	17	48.6	1.5	87	160	190	570	950	1400	176	164	1.5	4.35
51328M	53328M	140	144	240	235	80		84.9	2.1	68	180	397	1220	700	950	199	181	2	15.5
51428	53428	140	144	280	275	112		117	4	83	225	520	1600	530	700	223	197	3	34.5
51130M		150	152	190	188	31			1			117	371	1200	1700	174	166	1	2.17
51230M	53230M	150	153	225	222	51		54.7	1.5	74	160	242	780	850	1200	199	186	1.5	6.1
51330M	53330M	150	154	250	245	80		83.7	2.1	89.5	200	410	1290	670	900	209	191	2	16.5
51430	53430	150	154	300	295	120		125.9	4	69	225	559	1800	500	670	239	211	3	42.5
51132M		160	162	200	198	31			1			120	399	1200	1700	184	176	1	2.34
51232M	53232M	160	163	225	222	51		54.7	1.5	74	160	242	780	850	1200	199	186	1.5	6.55
51332	53232	160	164	270	265	87		91.7	3	77	200	449	1500	630	850	225	205	2.5	21

HRB Bearings Catalogue - Thrust Bearings - Thrust Ball Bearings

Bearing numbers		Boundary dimensions (mm)										Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
With flat seat	With aligning seat	d	d1	D	D1	H	C	H1	r _{min}	S	R	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	
51432	53432	160	164	320	315	130		135.3	5	84	250	650	2210	450	670	254	226	4	52.7
51134M		170	172	215	213	34			1.1			131	443	1100	1600	197	188	1	2.96
51234M	53234M	170	173	240	237	55		58.7	1.5	91	180	286	930	800	1100	212	198	1.5	8.15
51334	53334	170	174	280	275	87		81.3	3	105	225	468	1600	600	800	235	215	2.5	22
51434	53434	170	174	340	335	135		141	5	97	280	715	2480	430	630	269	241	4	61.2
51136M		180	183	225	222	34			1.1			134	473	1000	1500	207	198	1	3.08
51236M	53236M	180	183	250	247	56		58.2	1.5	112	200	296	1000	8010	1100	222	208	1.5	8.6
51336	53336	180	184	300	295	95		99.3	3	81	225	520	1830	560	750	251	229	2.5	28.5
51436	53436	180	184	360	355	140		148.3	5	97	280	750	2730	400	600	285	255	4	70.5
51138M		190	193	240	237	37			1.1			172	655	950	1400	220	210	1	4.05
51238	53238	190	194	270	267	62		65.7	2	98	200	332	1160	750	1000	238	222	2	12
51338	53338	190	195	320	315	105		111	4	104	250	550	1960	500	750	266	244	3	36.5
51140M		200	203	250	247	37			1.1			168	655	950	1400	230	220	1	4.25
51240	53240	200	204	280	277	62		65.3	2	125	225	338	1220	750	1000	248	232	2	12
51340	53340	200	205	340	335	110		118.4	4	92	250	624	2400	480	630	283	257	3	44.5
51144		220	223	270	267	37			1.1			178	735	900	1300	250	240	1	4.6
51244	53244	220	224	300	297	63		65.6	2	118	225	351	1320	700	950	268	252	2	13
51148		240	243	300	297	45			1.5			234	965	800	1100	276	264	1.5	7.55
51248	53248	240	244	340	335	78		81.6	2.1	122	250	462	1860	600	800	299	281	2	23
51152		260	263	320	317	45			1.5			238	1020	800	1100	296	284	1.5	8.1
51252	53252	260	264	360	355	79		82.8	2.1	152	280	475	2000	560	750	319	301	2	25
51156		280	283	350	347	53			1.5			319	1340	700	950	322	308	1.5	12
51256	53256	280	284	380	374	80		85	2.1	143	280	494	2160	560	750	339	321	2	26.5

HRB Bearings Catalogue - Thrust Bearings - Thrust Ball Bearings

Bearing numbers		Boundary dimensions (mm)										Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
With flat seat	With aligning seat	d	d1	D	D1	H	C	H1	r _{min}	S	R	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	
51160		300	304	380	376	62			2			364	1600	630	850	348	332	2	17.5
51164		320	324	400	396	63			2			371	1700	600	800	368	352	2	19
51168		340	416	420	344	64			2			323	1768	600	800	388	372	2	19.9
51268		340	455	460	345	96			3			465	2495	450	600	411	389	2.5	44.6
51368		340	535	540	345	160			5			863	4439	400	5300	452	356	4	137
8770		350	476	476	350.4	85			3.7			486	2717	400	530	425	401	3	43.3
51172		360	436	440	364	65			2			334	1890	560	750	408	392	2	23.9
51272		360	495	500	365	110			4			610	3591	400	530	442	418	3	64.7
51292		460	615	620	465	130			5			688	4504	430	560	552	528	4	113
511/600		600	705	710	604	85			3			556	4445	380	500	667	643	2.5	64.9
31688/630		630	760	780	650	112			4			697	5515	320	430	717	693	3	118
511/670F3		670	795	800	674	105			4			683	5778	300	400	748	722	3	109

HRB Bearings Catalogue - Thrust Bearings - Double-direction Thrust Ball Bearings

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)				Weight (kg)
	d	d1	D	H	B	r _{min}	r1 _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	rb _{max}	
52202	10	17	32	22	5	0.6	0.3	13.4	14.5	5300	7000	15	22	0.6	0.3	0.0818
52204	15	22	40	26	6	0.6	0.3	21.1	23.9	4500	6000	20	28	0.6	0.3	0.141
52405	15	27	60	45	11	1	0.6	55.4	59.8	2600	3600	25	42	1	0.6	0.641
52205	20	27	47	28	7	0.6	0.3	27.7	26.3	4000	5300	25	34	0.6	0.3	0.207
52305	20	27	52	34	8	1	0.3	35.7	42.1	3400	4500	25	36	1	0.3	0.33
52406	20	32	70	52	12	1	0.6	72.2	81	2000	3000	30	46	1	0.6	1
52206	25	32	52	29	7	0.6	0.3	29.3	43.8	2600	4800	30	39	0.6	0.3	0.249
52306	25	32	60	38	9	1	0.3	47.1	57.2	2800	3800	30	42	1	0.3	0.47
52407	25	37	80	59	14	1.1	0.6	86.4	102	1800	2600	35	53	1	0.6	1.45
52207	30	37	62	34	8	1	0.3	39.1	58.6	3000	4000	35	46	1	0.3	0.403
52208	30	42	68	36	9	1	0.6	47	74.1	2800	3800	40	51	1	0.6	0.529
52307	30	37	68	44	10	1	0.3	55.4	73.9	2400	3400	35	48	4	0.3	0.68
52308	30	42	78	49	42	1	0.6	68.9	95.8	2000	3000	40	55	1	0.6	1.05
52408	30	42	90	65	15	1.1	0.6	112	133	1700	2400	40	60	1	0.6	2.05
52209	35	47	73	37	9	1	0.6	47.5	81.5	2600	3600	45	56	1	0.6	0.597
52309	35	47	85	52	12	1	0.6	79.5	118	1900	2800	45	61	1	0.6	1.25
52409	35	47	100	72	17	1.1	0.6	130	240	1600	2200	45	67	1	0.6	2.7
52210	40	52	78	39	9	1	0.6	54.4	94.4	2400	3400	50	61	1	0.6	0.685
52310	40	52	95	58	14	1.1	0.6	96.2	146	1800	2600	50	68	1	0.6	1.75
52410	40	52	110	78	18	1.5	0.6	159	310	1400	200	50	80	1.5	0.6	3.51
52211	45	57	90	45	10	1	0.6	69.4	123	1900	2800	55	69	1	0.6	1.09
52311	45	57	105	64	15	1.1	0.6	126	189	1600	2200	55	75	1	0.6	2.4
52411	45	57	120	87	20	1.5	0.6	178	360	1300	1800	55	81	1.5	0.6	4.7

HRB Bearings Catalogue - Thrust Bearings - Double-direction Thrust Ball Bearings

Bearing numbers	Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)				Weight (kg)
	d	d1	D	H	B	r _{min}	r1 _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	ra _{max}	rb _{max}	
52212	50	62	95	46	10	1	0.6	70.6	133	1900	2800	60	74	1	0.6	1.2
52312	50	62	110	64	15	1.1	0.6	129	209	1600	2200	60	80	1	0.6	2.55
52412	50	62	130	93	21	1.5	0.6	199	400	1100	1600	60	88	1.5	0.6	6.35
52413	50	68	140	101	23	2	1	216	450	1000	1500	65	100	2	1	7.41
52213	55	67	100	47	10	1	0.6	72	144	1800	2600	65	79	1	0.6	1.29
52214	55	72	105	47	10	1	1	76	162	1800	2600	70	88	1	1	1.44
52313	55	67	115	65	15	1.1	0.6	139	229	1500	2000	65	85	1	0.6	2.75
52314	55	72	125	72	16	1.1	1	161	268	1400	1900	70	92	1	1	3.65
52414	55	73	150	107	24	2	1	234	500	950	1400	70	110	2	1	8.99
52215	60	77	110	47	10	1	1	77.1	172	1700	2400	75	89	1	1	1.55
52315	60	77	135	79	18	1.5	1	184	311	1200	1700	75	99	1.5	1	4.8
52415	60	78	160	115	26	2	1	251	560	900	1300	75	115	2	1	10.8
52216	65	82	115	48	10	1	1	77.1	172	1700	2400	75	89	1	1	1.55
52316	65	82	140	79	18	1.5	1	189	339	1200	1700	80	104	1.5	1	4.94
52416	65	83	170	120	27	2.1	1	270	620	850	1200	80	125	2	1	12.6
52417	65	88	180	128	29	2.1	1.1	286	680	850	1200	85	130	2	1	15.4
52217	70	88	125	55	12	1	0	97.9	229	1600	2200	85	101	1	1	2.4
52317	70	88	150	87	19	1.5	1	215	389	1100	1600	85	115	1.5	1	6.38
52418	70	93	190	135	30	2.1	1.1	307	750	800	1100	90	140	2	1	17.5
52218	75	93	135	62	14	1.1	1	125	277	1500	2000	90	108	1	1	3.2
52318	75	93	155	88	19	1.5	1	232	410	1000	1500	90	120	1.5	1	6.79
52420M	80	103	210	150	33	3	1.1	345	775							25.3
52420	80	103	210	150	33	3	1.1	371	965	700	950	100	155	2.5	1	26.8
52220	85	103	150	67	15	1.1	1	155	341	1300	1800	100	125	1	1	4.2

HRB Bearings Catalogue - Thrust Bearings - Cylindrical Roller Thrust Bearings

Bearing numbers	Boundary dimensions (mm)			Dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	T	d1	D1	Dw	B	r _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
81102	15	28	9	28	16	3.5	2.75	0.3	11.2	27	3200	4300	27	16	0.3	0.024
81103	17	30	9	30	18	3.5	2.75	0.3	11.6	29	3200	4300	29	18	0.3	0.027
81104	20	35	10	35	21	4.5	2.75	0.3	17.6	44	2800	3800	34	21	0.3	0.037
81105	25	42	11	42	26	5	3	0.6	24	65.5	2200	3200	41	26	0.6	0.053
81106	30	47	11	41	32	5	3	0.6	24.5	69.5	2000	3000	46	32	0.6	0.057
81206	30	52	16	52	32	7.5	4.25	0.6	50	134	1700	2400	50	32	0.6	0.12
81107	35	52	12	52	37	5	3.5	0.6	27	83	1900	2800	51	37	0.6	0.073
81207	35	62	18	62	37	7.5	5.25	1	62	190	1500	200	58	39	1	0.2
81108	40	60	13	60	42	6	3.5	0.6	38	118	1700	2400	58	42	0.6	0.11
81208	40	68	19	68	42	9	5	1	83	255	1400	1900	66	43	1	0.25
81109	45	65	14	65	47	6	4	0.6	40.5	132	1600	2200	63	47	0.6	0.13
81209	45	73	20	73	47	9	5.5	1	86.5	270	1300	1800	70	48	1	0.3
81110	50	70	14	70	52	6	4	0.6	42.5	146	1600	2200	68	52	0.6	0.14
81210	50	78	22	78	52	9	6.5	1	91.5	300	1200	1700	75	53	1	0.36
81111	55	78	16	78	57	6	5	0.6	69.5	285	1400	1900	77	57	0.6	0.22
81211	55	90	25	90	57	11	7	1	116	365	950	1400	85	59	1	0.57
81112	60	85	17	85	62	7.5	4.75	1	80	300	1300	1800	82	62	1	0.27
71212	60	95	26	95	62	11	7.5	1	137	465	950	1400	91	64	1	0.64
81113	65	90	18	90	67	7.5	5.25	1	83	320	1200	1700	87	67	1	0.31
81213	65	100	27	100	67	11	8	1	140	490	900	1300	96	69	1	0.72

HRB Bearings Catalogue - Thrust Bearings - Cylindrical Roller Thrust Bearings

Bearing numbers	Boundary dimensions (mm)			Dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	T	d1	D1	Dw	B	r _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
81114	70	95	18	95	72	7.5	5.25	1	86.5	345	1200	1700	92	72	1	0.33
81214	70	105	27	105	72	11	8	1	146	530	900	1300	102	74	1	0.77
81115	75	100	19	100	77	7.5	5.75	1	75	290	1100	1600	97	78	1	0.38
81215	75	110	27	110	77	11	8	1	125	440	850	1200	106	79	1	0.81
81116	80	105	19	105	82	7.5	5.75	1	76.5	300	1000	1500	102	83	1	0.4
81216	80	115	28	115	82	11	8.5	1	160	610	850	1200	112	84	1	0.9
81117	85	110	19	110	87	7.5	5.75	1	76.5	310	1000	1500	108	87	1	0.42
81217	85	125	31	125	88	12	9.5	1	153	550	800	1100	119	90	1	1.3
81118	90	120	22	120	92	9	6.5	1	104	415	900	1300	117	93	1	0.64
81218	90	135	35	135	93	14	10.5	1.1	232	865	750	1000	129	95	1	1.75
81120	100	135	25	135	102	11	7	1	146	285	850	1200	131	104	1	1
81220	100	150	38	150	103	15	11.5	1.1	224	830	670	900	142	107	1	2.2
81122	110	145	25	145	112	11	7	1	153	630	800	1100	141	114	1	1.1
81222	110	160	38	160	113	15	11.5	1.1	240	915	630	850	152	117	1	2.45
81124	120	155	25	155	122	11	7	1	160	680	800	1100	151	124	1	1.15
81224	120	170	39	170	123	15	12	1.1	245	965	600	800	162	127	1	2.7
81126	130	170	30	170	132	12	9	1	183	780	700	950	165	135	1	1.7
81226	130	190	45	187	133	19	13	1.5	335	1250	530	700	181	137	1.5	4.2
81128	140	180	31	178	142	12	9.5	1	193	850	670	900	175	145	1	1.95
81228	140	200	46	197	143	19	13.5	1.5	360	1400	530	700	191	147	1.5	4.55

HRB Bearings Catalogue - Thrust Bearings - Cylindrical Roller Thrust Bearings

Bearing numbers	Boundary dimensions (mm)			Dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	T	d1	D1	Dw	B	r _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
81130	150	190	31	188	152	12	9.5	1	200	900	630	850	185	155	1	2.05
81230	150	215	50	212	153	21	14.5	1.5	465	1900	480	630	211	158	1.5	5.9
81132	160	200	31	198	162	12	8.5	1	204	965	630	850	195	165	1	2.2
81232	160	225	51	222	163	21	15	1.5	480	2000	450	600	220	168	1.5	6.2
81134	170	215	34	213	172	14	10	1.1	260	1180	600	800	209	176	1	2.95
81234	170	240	55	237	173	22	16.5	1.5	540	2280	430	560	235	180	1.5	7.7
81136	180	225	34	222	183	14	10	1.1	270	1270	560	750	219	185	1	3.05
81236	180	250	56	247	183	22	17	1.5	550	2400	430	560	245	190	1.5	8.25
81138	190	240	37	237	193	15	11	1.1	310	1460	530	700	233	197	1	3.85
81238	190	270	62	267	194	26	18	2	695	2900	380	500	265	200	1.8	10.5
81140	200	250	37	247	203	15	11	1.1	310	1500	530	700	243	206	1	4
81240	200	280	62	277	204	26	18	2	720	3100	380	500	275	210	2	12
81144	220	270	37	267	223	15	11	1.1	335	1700	500	670	263	226	1	4.5
81244	220	300	63	297	224	26	18.5	2	750	3350	260	480	296	230	2	13
81148	240	300	45	297	243	18	13.5	1.5	475	2450	430	560	296	248	1.5	7.25
81248	240	340	78	335	244	32	23	2.1	11000	4900	300	400	335	261	2	22
81152	260	320	45	317	263	18	13.5	1.5	490	2600	400	530	316	268	1.5	7.85
81252	260	360	79	355	264	32	23.5	2.1	1140	5300	280	380	353	280	2	24
81156	280	350	53	347	283	22	15.5	1.5	680	3550	360	480	346	288	1.5	10.5
81256	280	380	80	375	284	32	24	2.1	1160	5500	260	360	373	300	2	26
81160	300	380	62	376	304	25	18.5	2	850	4400	320	430	373	315	2	16.5

HRB Bearings Catalogue - Thrust Bearings - Cylindrical Roller Thrust Bearings

Bearing numbers	Boundary dimensions (mm)			Dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	T	d1	D1	Dw	B	r _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
81260	300	420	95	415	304	38	28.5	3	1530	7200	220	320	413	328	2.5	40.5
81164	320	400	63	396	324	25	19	2	880	4650	300	400	394	334	2	18
81264	320	440	95	435	325	38	28.5	3	1560	7500	200	300	434	348	2.5	42.5
81168	340	420	64	416	344	25	19.5	2	900	4900	280	380	414	354	2	19.5
81268	340	460	96	455	345	38	29	3	1630	8000	200	300	452	367	2.5	47
81172	360	440	65	436	364	25	20	2	915	5000	280	380	434	374	2	19.5
81272	260	500	110	495	365	45	32.5	4	2160	10400	180	260	492	393	3	65.5
81176	380	460	65	456	384	25	20	2	930	5300	260	360	453	393	2	22
81276	380	520	112	515	385	45	33.5	4	2200	10800	180	260	511	413	3	70
81180	400	480	65	476	404	25	20	2	965	5600	260	360	473	413	2	23
81280	400	540	112	535	405	45	33.5	4	2240	11200	170	240	531	433	3	73
81184	420	500	65	495	424	25	20	2	980	5850	240	340	493	433	2	24
81284	420	580	130	575	425	52	39	5	2850	14000	160	220	571	459	4	95.5
81188	440	540	80	535	444	32	24	2.1	1430	8000	200	300	533	459	2	39.5
81288	440	600	130	595	445	52	39	5	2900	14600	160	220	591	479	4	110
81192	460	560	80	555	464	32	24	2.1	1460	8500	200	300	553	479	2	41
81292	460	620	130	615	465	52	39	5	300	45300	150	200	611	499	4	118
81196	480	580	80	575	484	32	24	2.1	1460	8650	190	280	573	500	2	43
81296	480	650	135	645	485	56	39.5	5	3350	17000	150	200	641	520	4	128
811/500	500	600	80	595	505	32	24	2.1	1530	9150	190	280	592	219	2	44
812/500	500	670	135	665	505	56	39.5	5	3400	17600	140	190	664	540	4	133

HRB Bearings Catalogue - Thrust Bearings - Cylindrical Roller Thrust Bearings

Bearing numbers	Boundary dimensions (mm)			Dimensions (mm)					Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
	d	D	T	d1	D1	Dw	B	r _{min}	Cr	Cor	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
811/530	530	640	85	635	535	34	25.5	2.5	1700	10400	180	260	632	554	2.5	55.5
812/530	530	710	140	705	535	60	40	4	3800	20000	130	180	701	572	4	154
811/560	560	670	85	665	565	34	25.5	2.5	1760	10800	180	260	662	584	2.5	58
812/560	560	750	150	745	565	60	45	4	3900	20800	120	170	741	611	4	187
811/600	600	710	85	705	605	34	25.5	2.5	1760	11200	170	240	702	624	2.5	62
812/600	600	800	160	795	605	64	48	4	4400	24000	110	160	789	654	4	24
811/630	630	750	95	746	634	38	28.5	2.5	2160	13700	160	220	732	650	2.5	80
75492/900	900	1180	125	905	1175	-	-	7.5	5500	8300	100	130	925	1155	7.5	393
75491/1180	1180	1400	100	1185	1395	-	-	6	4300	7200	87	100	1205	1375	6	308

HRB Bearings Catalogue - Thrust Bearings - Self-aligning Roller Thrust Bearings

Bearing numbers		Boundary dimensions (mm)			Dimensions (mm)						Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
		d	D	T	d1	D1	B	C	A	r _{min}	Ca	Coa	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
9039438	29438	190	380	115	263	345	41	53.7	117	5	2070	3900	630	850	280	321	4	75.6
9039340	29340	200	340	85	261	318	29	41	116	4	1200	2330	700	950	265	297	3	34
9039340K	29340K	200	340	85	261	325	54.5	41	116	4	1200	2330	700	950	265	297	3	34
9039440	29440	200	400	122	267.5	360	44	56.7	122	5	2270	4300	600	800	295	337	4	83.5
9039344	29344	220	360	85	277.5	330	29	40.7	125	4	1390	2800	670	900	285	316	3	28.6
9039348	29348	240	380	85	298.5	360	29	1.7	135	4	1610	6100	600	800	305	336	3	35.4
9039448	29448	240	440	122	316	400	43	60	142	6	2920	10100	530	750	335	378	5	96.1
9039256	29256	280	380	60	322.5	364	19	29.5	150	2.1	895	2130	700	1000	325	347	2	21.7
9039468	29468	340	620	170	449.5	560	61	80	201	7.5	4550	9750	500	700	475	530	6	218
9039376	29376	380	600	132	475	561	44	61.4	216	6	3280	15200	450	650	495	535	5	129
9039384	29280	400	540	85	460	510	27	42	212	4	1720	4700	500	700	470	493	3	64.6
9039292	29380	400	620	132	489	582	44	64.7	225	6	3500	16800	440	620	510	550	5	153
9039384	29384	420	650	140	514.5	610	48	6.8	235	6	3800	17900	420	600	535	580	5	175
9039292	29292	460	620	95	525.5	590	30	49.4	245	5	2280	1290	400	580	540	565	4	74.7
90392/500	292/500	500	670	103	572	640	33	50.5	268	5	2550	14600	380	540	585	615	4	117
90394/500	294/500	500	870	224	648	790	81	106	290	9.5	8550	39500	320	460	685	755	8	589
90392/530	292/530	530	710	109	604	680	35	54	288	5	2830	16600	350	500	615	655	4	118
90394/560	292/560	560	750	115	640	715	40	56.8	302	5	3100	8600	360	480	655	685	4	131
90392/800	292/800	800	1060	155	907.5	1010	50	80	426	7.5	5650	36000	240	340	935	980	6	343
90392/1060	292/1060	1060	1400	206	1208	1335	66	100	566	9.5	9600	62000	180	260	1225	1290	8	767

HRB Bearings Catalogue - Thrust Bearings - Self-aligning Roller Thrust Bearings

Bearing numbers		Boundary dimensions (mm)			Dimensions (mm)						Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
		d	D	T	d1	D1	B	C	A	r _{min}	Ca	Coa	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
9069414	70	150	48	103	135	31	23	44	2.3	285	430	1400	2000	105	125	2	3.87	
9069416	80	170	54	117	155	35	25	50	2.5	370	550	1100	1700	120	141	2	5.33	
9069418	90	190	60	132	170	39	29	56	2.5	440	690	950	1500	135	158	2	7.13	
9069420	100	210	67	146	190	45	32	62	3	585	865	850	1300	150	175	2.5	10.5	
9069324	120	210	54	161	188	34	30	57	2.5	380	650	1000	1600	160	181	2	6.88	
9269424	120	250	78	181	222	48	38	74	3.7	710	1060	750	1100	180	209	3	19.5	
9069424K	120	250	78	181	222	48	38	74	2.5	710	1060	750	1100	180	209	2.5	19.4	
9069326	130	225	58	170	200	37	29	76	3.7	440	750	950	1500	175	194	2	8.26	
9069426	130	270	85	190	240	55	44	79	3.7	760	1100	700	1100	195	227	3	23	
9069428	140	280	85	103	247	55	47	64	3.7	825	1120	670	950	205	236	3	22.7	
9069430	150	300	90	220	270	60	48	69	4.7	995	1710	630	900	220	253	3	27.3	
9069432	160	320	95	234	275	61	53	74	4.7	1000	1720	560	800	235	270	4	33.3	
9609434	170	340	103	243	310	71	48	104	3	1210	2130	530	750	250	286	3	40.7	
9606336	180	300	73	230	276	50	35	103	4.7	885	3000	630	900	235	262	2.5	19.4	
9606436	180	360	109	265	308	67	58	82	2	1210	2130	750	750	265	304	2	42.3	
9069244	220	300	48	26	286	31	24	117	6	440	910	850	1300	260	273	2	7.92	
9069448	240	440	122	330	400	78	59	142	3.7	1920	3550	750	750	335	378	3	74.5	

HRB Bearings Catalogue - Thrust Bearings - Self-aligning Roller Thrust Bearings

Bearing numbers		Boundary dimensions (mm)			Dimensions (mm)						Basic load ratings (kN)		Limiting speeds (r/min)		Abutment and fillet dimensions (mm)			Weight (kg)
		d	D	T	d1	D1	B	C	A	r _{min}	Ca	Coa	Grease	Oil	da _{min}	Da _{max}	rg _{max}	
9069252	260	360	60	302	335	38	30	139	2.1	725	1550	530	750	310	326	2	15.7	
9069356	280	440	95	348	413	64	46	158	5	1450	6060	530	750	355	390	4	49.1	
9069268	340	460	73	388	438	48	36	204	3	1140	2440	530	750	400	422	2.5	31.4	
9069284	420	580	95	489	548	62	46	251	4.7	1870	4150		560	500	525	4	78.9	
90692/630	630	850	132	728	800	86	65	338	6	3250	8350		300	740	780	5	231	
90692710	710	950	145	805	895	92	75	380	6	2600	12000		240	820	880	5	279	
90694/750	750	1280	315	972	1152	160	158	448	15	13500	31000		100	1015	1120	12	1340	