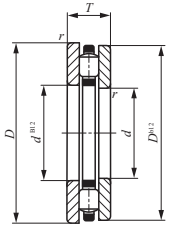
THRUST BEARINGS

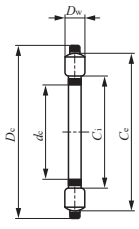
Thrust Roller Bearings



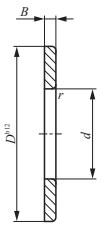




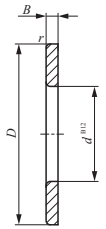
AZ



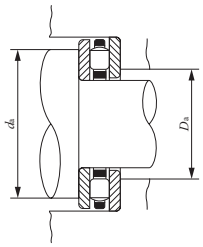
AZK



WS



GS



Shaft dia. 70 — 130mm

Shaft dia. mm	Identification number: Thrust roller bearing	Mass (Ref.) g	Thrust roller bearing	Mass (Ref.) g	Inner ring	Outer ring	Mass (Ref.) g
70	AZ 709518	420	AZK 70957.5	156	WS 7095	GS 7095	132
	AZ 7010527	905	AZK 7010511	325	WS 70105	GS 70105	290
	AZ 7014026	2 250	AZK 7014010	890	WS 70140	GS 70140	680
75	AZ 7510019	465	AZK 751007.5	159	WS 75100	GS 75100	153
	AZ 7511027	960	AZK 7511011	340	WS 75110	GS 75110	310
80	AZ 8010519	495	AZK 801057.5	171	WS 80105	GS 80105	162
	AZ 8011528	1 060	AZK 8011511	370	WS 80115	GS 80115	345
	AZ 8015026	2 500	AZK 8015010	920	WS 80150	GS 80150	790
85	AZ 8511019	530	AZK 851107.5	190	WS 85110	GS 85110	170
	AZ 8512531	1 460	AZK 8512512	510	WS 85125	GS 85125	475
90	AZ 9012022	790	AZK 901209	290	WS 90120	GS 90120	250
	AZ 9013535	2 040	AZK 9013514	750	WS 90135	GS 90135	645
	AZ 9016026	2 710	AZK 9016010	1 000	WS 90160	GS 90160	855
100	AZ 10013525	1 190	AZK 10013511	490	WS 100135	GS 100135	350
	AZ 10015038	2 720	AZK 10015015	980	WS 100150	GS 100150	870
	AZ 10019039	5 960	AZK 10019015	2 120	WS 100190	GS 100190	1 920
110	AZ 11014525	1 350	AZK 11014511	590	WS 110145	GS 110145	380
	AZ 11016040	3 220	AZK 11016017	1 320	WS 110160	GS 110160	950
	AZ 11020039	6 400	AZK 11020015	2 280	WS 110200	GS 110200	2 060
120	AZ 12015525	1 450	AZK 12015511	630	WS 120155	GS 120155	410
	AZ 12017542	4 020	AZK 12017518	1 640	WS 120175	GS 120175	1 190
	AZ 12022039	7 730	AZK 12022015	2 730	WS 120220	GS 120220	2 500
130	AZ 13017030	2 180	AZK 13017012	860	WS 130170	GS 130170	660
	AZ 13018542	4 300	AZK 13018518	1 760	WS 130185	GS 130185	1 270
	AZ 13023039	8 240	AZK 13023015	2 940	WS 130230	GS 130230	2 650

Boundary dimensions mm: d	D	T	d_c	D_c	D_w	B	$r_{s\,min}$ (1)	C_i	C_e	Standard mounting dimensions mm: d_a Min.	D_a Max.	Basic dynamic load rating C N	Basic static load rating C_0 N	Allowable rotational speed (2) min^{-1}
70	95	18	70.05	94.5	7.5	5.25	1	75	91	91	76	72 000	269 000	3 500
70	105	27	70.05	104.5	11	8	1	78	100	99	78	114 000	379 000	3 500
70	140	26	70.05	139.5	10	8	1.1	89	129	129	90	169 000	713 000	3 000
75	100	19	75.05	99.5	7.5	5.75	1	80	96	96	81	71 100	269 000	3 500
75	110	27	75.05	109.5	11	8	1	83	105	104	83	123 000	427 000	3 000
80	105	19	80.05	104.5	7.5	5.75	1	85	101	101	86	74 500	292 000	3 000
80	115	28	80.05	114.5	11	8.5	1	88	110	109	88	122 000	427 000	3 000
80	150	26	80.05	149.5	10	8	1.5	99	139	139	100	180 000	792 000	2 500
85	110	19	85.05	109.5	7.5	5.75	1	90	106	106	91	77 800	314 000	3 000
85	125	31	85.05	124.5	12	9.5	1	95	119	118	95	145 000	513 000	3 000
90	120	22	90.05	119.5	9	6.5	1	97	116	115	97	99 700	390 000	3 000
90	135	35	90.05	134.5	14	10.5	1.1	100	129	128	101	181 000	626 000	2 500
90	160	26	90.05	159.5	10	8	1.5	109	149	149	110	189 000	871 000	2 500
100	135	25	100.05	134.5	11	7	1	108	130	129	108	136 000	522 000	2 500
100	150	38	100.05	149.5	15	11.5	1.1	112	143	142	113	219 000	796 000	2 500
100	190	39	100.1	189.3	15	12	1.5	119	179	177	120	333 000	1 420 000	2 000
110	145	25	110.1	144.5	11	7	1	118	140	139	118	142 000	569 000	2 500
110	160	40	110.1	159.5	17	11.5	1.1	120	154	153	121	282 000	1 030 000	2 000
110	200	39	110.1	199.3	15	12	2	129	188	187	130	388 000	1 770 000	2 000
120	155	25	120.1	154.5	11	7	1	128	150	149	128	149 000	617 000	2 000
120	175	42	120.1	174.5	18	12	1.1	132	168	167	133	313 000	1 160 000	2 000
120	220	39	120.1	219	15	12	2.1	141	207	206	142	415 000	1 980 000	1 800
130	170	30	130.1	169.5	12	9	1	140	164	163	140	176 000	741 000	2 000
130	185	42	130.1	184.5	18	12	1.5	142	178	177	143	333 000	1 290 000	1 900
130	230	39	130.1	229	15	12	2.1	151	217	216	152	440 000	2 180 000	1 700

Notes(1) Minimum allowable value of chamfer dimension r
(2) Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 25% of this value is allowable.

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch