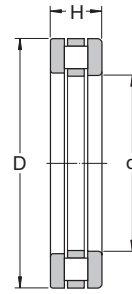


Cylindrical roller thrust bearings

d 15 - 100 mm
d 0.591 - 3.937 in

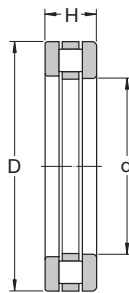


Principal dimensions						Basic load ratings		Fatigue load limit P_u	Minimum load factor A	Speed ratings		Mass	Designation
d	D	H	d	D	H	dynamic	static			Reference speed	Limiting speed		
mm			in			kN		kN	–	r/min	kg	–	
15	28	9	0.591	1.102	0.354	11	27	2.45	0.000058	4 300	8 500	0.024	81102 TN
17	30	9	0.669	1.181	0.354	12	32	2.85	0.000079	4 300	8 500	0.027	81103 TN
20	35	10	0.787	1.378	0.394	19	48	4.65	0.00018	3 800	7 500	0.037	81104 TN
25	42	11	0.984	1.654	0.433	25	70	6.8	0.00039	3 200	6 300	0.053	81105 TN
30	47	11	1.181	1.850	0.433	27	78	7.65	0.00049	3 000	6 000	0.057	81106 TN
	52	16		2.047	0.630	50	134	13.4	0.0014	2 400	4 800	0.12	81206 TN
35	52	12	1.378	2.047	0.472	29	93	9.15	0.00069	2 800	5 600	0.073	81107 TN
	62	18		2.441	0.709	62	190	19.3	0.0029	2 000	4 000	0.2	81207 TN
40	60	13	1.575	2.362	0.512	43	137	13.7	0.0015	2 400	5 000	0.11	81108 TN
	68	19		2.677	0.748	83	255	26.5	0.0052	1 900	3 800	0.25	81208 TN
45	65	14	1.772	2.559	0.551	45	153	15.3	0.0019	2 200	4 500	0.13	81109 TN
	73	20		2.874	0.787	87	270	28	0.0058	1 800	3 600	0.29	81209 TN
50	70	14	1.969	2.756	0.551	48	166	16.6	0.0022	2 200	4 300	0.14	81110 TN
	78	22		3.071	0.866	92	300	31	0.0072	1 700	3 400	0.36	81210 TN
55	78	16	2.165	3.071	0.630	70	285	29	0.0065	1 900	3 800	0.22	81111 TN
	90	25		3.543	0.984	122	390	40	0.012	1 400	2 800	0.57	81211 TN
60	85	17	2.362	3.346	0.669	80	300	30.5	0.0072	1 800	3 600	0.27	81112 TN
	95	26		3.740	1.024	137	465	47.5	0.017	1 400	2 800	0.64	81212 TN
65	90	18	2.559	3.543	0.709	83	320	32.5	0.0082	1 700	3 400	0.31	81113 TN
	100	27		3.937	1.063	140	490	50	0.019	1 300	2 600	0.72	81213 TN
70	95	18	2.756	3.740	0.709	87	345	34.5	0.0095	1 600	3 200	0.33	81114 TN
	105	27		4.134	1.063	146	530	55	0.022	1 300	2 600	0.77	81214 TN
75	100	19	2.953	3.937	0.748	75	290	29	0.0067	1 600	3 200	0.39	81115 TN
	110	27		4.331	1.063	125	440	45	0.015	1 200	2 400	0.8	81215 TN
80	105	19	3.150	4.134	0.748	77	300	30.5	0.0072	1 500	3 000	0.4	81116 TN
	115	28		4.528	1.102	160	610	63	0.029	1 200	2 400	0.9	81216 TN
85	110	19	3.346	4.331	0.748	88	365	37.5	0.01	1 500	3 000	0.42	81117 TN
	125	31		4.921	1.220	153	550	57	0.024	1 100	2 200	1.25	81217 TN
90	120	22	3.543	4.724	0.866	104	415	42.5	0.013	1 300	2 600	0.62	81118 TN
	135	35		5.315	1.378	232	865	90	0.059	1 000	2 000	1.75	81218 TN
100	135	25	3.937	5.315	0.984	146	585	57	0.027	1 200	2 400	0.95	81120 TN
	150	38		5.906	1.496	224	830	81.5	0.055	900	1 800	2.2	81220 TN

Cylindrical roller thrust bearings

d 110 - 320 mm

d 4.331 - 12.598 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Minimum load factor A	Speed ratings		Mass	Designation
d	D	H	d	D	H	C	C_0			Refer-ence speed	Limiting speed		
mm			in			kN		kN	–	r/min	kg	–	
110	145	25	4.331	5.709	0.984	153	630	61	0.031	1 100	2 200	1.05	81122 TN
	160	38		6.299	1.496	240	915	90	0.066	850	1 700	2.3	81222 TN
120	155	25	4.724	6.102	0.984	160	680	64	0.036	1 100	2 200	1.1	81124 TN
	170	39		6.693	1.535	245	965	91.5	0.074	800	1 600	2.55	81224 TN
130	170	30	5.118	6.693	1.181	183	780	73.5	0.048	950	1 900	1.7	81126 TN
	190	45		7.480	1.772	380	146	137	0.17	700	1 400	4.2	81226 TN
140	180	31	5.512	7.087	1.220	193	850	76.5	0.057	900	1 800	1.9	81128 TN
	200	46		7.874	1.811	360	1 400	129	0.16	700	1 400	4.55	81228 M
150	190	31	5.906	7.480	1.220	200	900	81.5	0.064	850	1 700	2	81130 TN
	215	50		8.465	1.969	465	1 900	170	0.29	630	1 300	5.9	81230 M
160	200	31	6.299	7.874	1.220	216	1 020	90	0.083	850	1 700	2.2	81132 TN
	225	51		8.858	2.008	480	2 000	176	0.32	600	1 200	6.2	81232 M
170	215	34	6.693	8.465	1.339	260	1 180	104	0.11	800	1 600	2.95	81134 TN
	240	55		9.449	2.165	540	2 280	200	0.42	560	1 100	7.7	81234 M
180	225	34	7.087	8.858	1.339	270	1 270	110	0.13	750	1 500	3.05	81136 M
	250	56		9.843	2.205	550	2 400	204	0.46	560	1 100	8.25	81236 M
190	240	37	7.480	9.449	1.457	310	1 460	125	0.17	700	1 400	3.85	81138 M
	270	62		10.630	2.441	695	2 900	250	0.67	500	1 000	10.5	81238 M
200	250	37	7.874	9.843	1.457	310	1 500	127	0.18	700	1 400	4	81140 M
	280	62		11.024	2.441	720	3 100	255	0.77	500	1 000	12	81240 M
220	270	37	8.661	10.630	1.457	335	1 700	137	0.23	670	1 300	4.5	81144 M
	300	63		11.811	2.480	750	3 350	275	0.9	480	950	13	81244 M
240	300	45	9.449	11.811	1.772	475	2 450	196	0.48	560	1 100	7.25	81148 M
	340	78		13.386	3.071	1 100	4 900	390	1.9	400	800	22	81248 M
260	320	45	10.236	12.598	1.772	490	2 600	200	0.54	530	1 100	7.85	81152 M
	360	79		14.173	3.110	1 140	5 300	415	2.2	380	750	24	81252 M
280	350	53	11.024	13.780	2.087	680	3 550	275	1	480	950	10.5	81156 M
	380	80		14.961	3.150	1 160	5 500	425	2.4	360	750	26	81256 M
300	380	62	11.811	14.961	2.441	850	4 400	335	1.5	430	850	16.5	81160 M
	420	95		16.535	3.740	1 530	7 200	540	4.1	320	630	40.5	81260 M
320	400	63	12.598	15.748	2.480	880	4 650	345	1.7	400	800	18	81164 M
	440	95		17.323	3.740	1 560	7 500	550	4.5	300	600	42.5	81264 M

Cylindrical roller thrust bearings

d 340 - 630 mm
d 13.386 - 24.803 in

Principal dimensions						Basic load ratings		Fatigue load limit P_u	Minimum load factor A	Speed ratings		Mass	Designation
d	D	H	d	D	H	dynamic	static			Refer-ence speed	Limiting speed		
mm			in			kN		kN	–	r/min	kg	–	
340	420	64	13.386	16.535	2.520	900	4 900	355	1.9	380	800	19.5	81168 M
	460	96		18.110	3.780	1 630	8 000	585	5.1	300	600	47	81268 M
360	440	65	14.173	17.323	2.559	900	4 900	355	1.9	380	750	19.5	81172 M
	500	110		19.685	4.331	2 160	10 400	750	8.7	260	530	65.5	81272 M
380	460	65	14.961	18.110	2.559	930	5 300	375	2.2	360	750	22	81176 M
400	480	65	15.748	18.898	2.559	965	5 600	390	2.5	360	700	23	81180 M
420	500	65	16.535	19.685	2.559	980	5 850	400	2.7	340	700	24	81184 M
440	540	80	17.323	21.260	3.150	1 430	8 000	550	5.1	300	600	39.5	81188 M
460	560	80	18.110	22.047	3.150	1 460	8 500	570	5.8	300	600	41	81192 M
480	580	80	18.898	22.835	3.150	1 460	8 650	585	6	280	560	43	81196 M
500	600	80	19.685	23.622	3.150	1 560	9 300	620	6.9	280	560	44	811/500 M
530	640	85	20.866	25.197	3.346	1 730	10 600	680	9	260	530	55.5	811/530 M
560	670	85	22.047	26.378	3.346	1 760	11 100	710	9.7	260	500	58	811/560 M
600	710	85	23.622	27.953	3.346	1 800	11 600	720	11	240	500	62	811/600 M
630	750	95	24.803	29.528	3.740	2 160	13 700	865	15	220	450	80	811/630 M