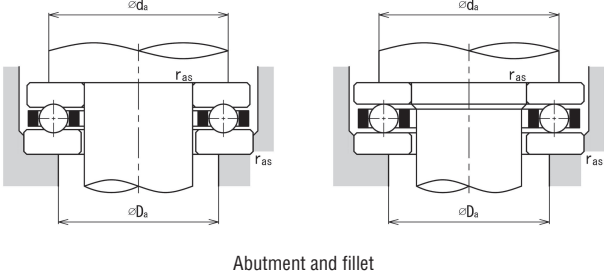
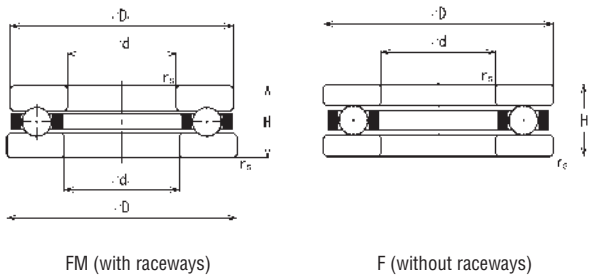


Thrust bearings



FM series (with raceways)

Bore diameter d		Outer diameter D		Outer ring inner diameter d ₁		Inner ring outer diameter D ₁		Chamfer r _s (min)		Height H		Bearing number	Load rating		Limiting speed	Cage type
													C _a	C _{0a}	Oil	
													(N)		min ⁻¹	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch					
3	0.1181	8	0.3150	3.2	0.1260	7.8	0.3071	0.15	0.0059	3.5	0.1378	F3-8M	994	932	24 000	TP
4	0.1575	9	0.3543	4.2	0.1654	8.8	0.3465	0.15	0.0059	4.0	0.1575	F4-9M	945	932	22 000	TP
		10	0.3937	4.2	0.1654	9.8	0.3858	0.15	0.0059	4.0	0.1575	F4-10M	925	932	21 000	TP
5	0.1969	12	0.4724	5.2	0.2047	11.8	0.4646	0.20	0.0079	4.0	0.1575	F5-12M	1 060	1 240	19 000	TP
6	0.2362	12	0.4724	6.2	0.2441	11.8	0.4646	0.20	0.0079	4.5	0.1772	F6-12M	1 820	2 220	18 000	TP
		14	0.5512	6.25	0.2461	13.8	0.5433	0.20	0.0079	5.0	0.1969	F6-14M	2 160	2 440	16 000	TP
7	0.2756	13	0.5118	7.2	0.2835	12.8	0.5039	0.20	0.0079	4.5	0.1772	F7-13M	1 770	2 220	18 000	TP
		17	0.6693	7.2	0.2835	16.8	0.6614	0.30	0.0118	6.0	0.2362	F7-17M	3 090	3 800	14 000	TP
8	0.3150	16	0.6299	8.2	0.3228	15.8	0.6220	0.30	0.0118	5.0	0.1969	F8-16M	3 920	4 990	16 000	TP
		19	0.7480	8.2	0.3228	18.8	0.7402	0.30	0.0118	7.0	0.2756	F8-19M	3 940	4 970	12 000	TP
9	0.3543	20	0.7874	9.2	0.3622	19.8	0.7795	0.30	0.0118	7.0	0.2756	F9-20M	3 860	4 970	12 000	TP
10	0.3937	18	0.7087	10.2	0.4016	17.8	0.7008	0.30	0.0118	5.5	0.2165	F10-18M	2 470	3 490	14 000	TP

F series (without raceways)

Bore diameter d		Outer diameter D		Chamfer r _s (min)		Height H		Bearing number	Load rating		Cage type	Ball		Abutment and fillet dimensions		
									C _a	C _{0a}		Size	Qty.	d _a min	D _a max	r _{as} max
mm	inch	mm	inch	mm	inch	mm	inch									
2	0.0787	6	0.2362	0.10	0.0039	3.0	0.1181	F2-6	143	83	TD	6	1.000	4.40	3.60	0.10
3	0.1181	8	0.3150	0.10	0.0039	3.5	0.1378	F3-8	212	140	TD	7	1.200	6.00	5.00	0.10
4	0.1575	9	0.3543	0.15	0.0059	4.0	0.1575	F4-9	220	160	TD	8	1.200	7.00	6.00	0.15
		10	0.3937	0.15	0.0059	4.5	0.1772	F4-10	355	245	TD	7	1.588	7.60	6.40	0.15
5	0.1969	11	0.4331	0.15	0.0059	4.5	0.1772	F5-11	341	245	TD	7	1.588	8.60	7.40	0.15
6	0.2362	12	0.4724	0.15	0.0059	4.5	0.1772	F6-12	389	314	TD	9	1.588	9.60	8.40	0.15
7	0.2756	15	0.5906	0.20	0.0079	5.0	0.1969	F7-15	793	628	TD	8	2.381	11.80	10.20	0.20
8	0.3150	16	0.6299	0.20	0.0079	5.0	0.1969	F8-16	537	443	TD	8	2.000	12.70	11.10	0.20
9	0.3543	17	0.6693	0.20	0.0079	5.0	0.1969	F9-17	567	499	TD	9	2.000	13.70	12.10	0.20
10	0.3937	18	0.7087	0.20	0.0079	5.5	0.2165	F10-18	800	707	TD	9	2.381	14.70	13.10	0.20

Ball		Abutment and fillet dimensions			Mass (Ref.)
Size	Qty.	d _a min	D _a max	r _{as} max	
mm	pcs.	mm			g
1.588	6	6.00	5.00	0.15	0.84
1.588	6	7.00	6.00	0.15	1.17
1.588	6	7.60	6.40	0.15	1.49
1.588	8	9.20	7.80	0.20	2.10
2.000	9	9.60	8.40	0.20	2.20
2.381	7	10.80	9.20	0.20	3.54
2.000	9	10.60	9.40	0.20	2.42
2.778	8	13.00	11.00	0.30	6.32
3.000	9	12.80	11.20	0.30	3.94
3.175	8	14.60	12.40	0.30	9.27
3.175	8	15.60	13.40	0.30	9.86
2.381	10	14.80	13.20	0.30	5.34

Mass (Ref.)
g
0.50
1.03
1.39
1.94
2.22
2.49
4.24
4.88
5.25
6.11