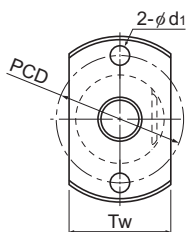
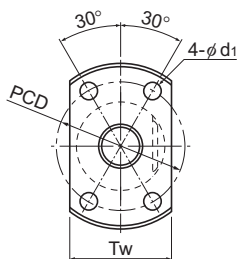


MTF No Preload

DN value	50,000
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Nut type I



Nut type II

Model No.	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows X turns	Basic load rating		Rigidity K	Outer diameter D	Flange diameter D ₁	Overall length L ₁
						Ca	C _{0a}				
						kN	kN	N/μm			
* MTF 0601-3.7	6	1	6.15	5.3	1×3.7	0.7	1.2	70	13	30	21
MTF 0801-3.7	8	1	8.15	7.3	1×3.7	0.78	1.65	95	16	29	17
* MTF 0802-3.7	8	2	8.3	6.6	1×3.7	2.1	3.8	90	20	40	28
MTF 0805-2.7	8	5	8.3	6.6	1×2.7	1.85	3	82	18	31	28
* MTF 1002-3.7	10	2	10.3	8.6	1×3.7	2.3	4.8	110	23	43	28
MTF 1004-2.7	10	4	10.3	8.2	1×2.7	3	5.2	104	24	41	28
* MTF 1202-3.7	12	2	12.3	10.6	1×3.7	2.5	5.8	130	25	47	30
MTF 1402-3.7	14	2	14.3	12.6	1×3.7	3.2	7.5	176	26	45	25

Model number coding

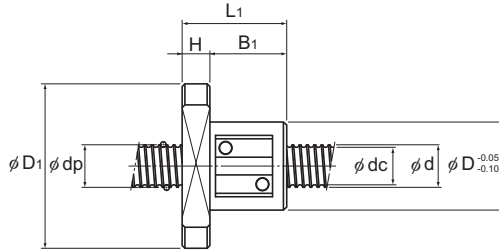
MTF 0802-3.7 +250L C7 T

Model No.

Overall screw shaft length (in mm)

Symbol for rolled shaft

Accuracy code: (No code for Normal Grade)



Unit: mm

Nut dimensions							Axial clearance	Standard shaft length	Screw shaft inertial moment/ mm	Nut mass	Shaft mass	Permissible rotational speed
H	B ₁	PCD	d ₁	Tw	Nut type	kg·m ² /mm						
5	16	21.5	3.4	17	I	0.05	150, 250	9.99×10^{-10}	0.03	0.19	3,500	
4	13	23	3.4	18	II	0.05	—	3.16×10^{-9}	0.02	0.36	3,500	
6	22	30	4.5	24	I	0.05	150, 250	3.16×10^{-9}	0.08	0.31	3,500	
4	24	25	3.4	20	II	0.05	—	3.16×10^{-9}	0.05	0.33	3,500	
6	22	33	4.5	27	I	0.05	200, 300	7.71×10^{-9}	0.1	0.52	3,500	
5	23	33	4.5	26	II	0.05	—	7.71×10^{-9}	0.09	0.52	3,500	
8	22	36	5.5	29	I	0.05	200, 300	1.60×10^{-8}	0.13	0.77	3,500	
6	19	36	5.5	28	II	0.05	—	2.96×10^{-8}	0.08	1.07	3,500	

Notes: Seals are not installed on the Model MTF.

For the MTF models marked with an asterisk in the dimensional table, nuts are processed with AP-C treatment as standard. For details, see [10-20](#).

Model MTF is only sold as a set (ball screw nut and screw shaft).

Model MTF has only anti-rust oil applied.