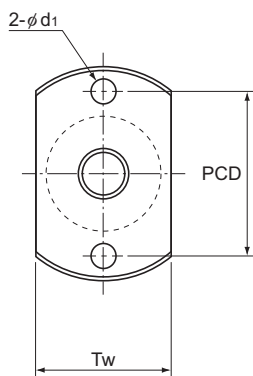


MTF (Unfinished Shaft Ends) No Preload

DN value	50,000
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Model No.	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows×turns	Basic load rating		Rigidity K N/μm		
						Ca kN	C _{0a} kN		Outer diameter D	Flange diameter D ₁
MTF 0601-3.7	6	1	6.15	5.3	1×3.7	0.7	1.2	70	13	30
MTF 0802-3.7	8	2	8.3	6.6	1×3.7	2.1	3.8	90	20	40
MTF 1002-3.7	10	2	10.3	8.6	1×3.7	2.3	4.8	110	23	43
MTF 1202-3.7	12	2	12.3	10.6	1×3.7	2.5	5.8	130	25	47

Model number coding

MTF 08 02 -3.7 +250L C7 T

Model No.

Overall shaft length
(in mm)

Symbol for ball screw shaft

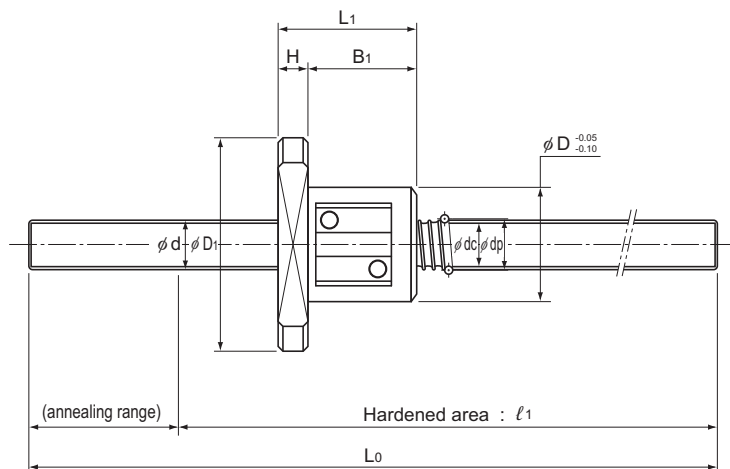
Screw shaft
outer diameter
(in mm)

Lead
(in mm)

Accuracy symbol (No symbol for Normal Grade)

Notes: Model MTF is only sold as a set (ball screw nut and screw shaft).
Model MTF has only anti-rust oil applied.

Transport Ball Screw



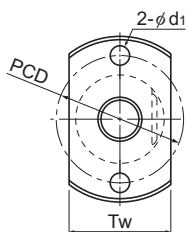
Unit: mm

Nut dimensions							Axial clearance	Standard shaft length	ℓ_1	Screw shaft inertial moment/ mm	Nut mass	Shaft mass	Permissible rotational speed
	Overall length L_1	H	B_1	PCD	d_i	T_w							
	21	5	16	21.5	3.4	17	0.05	150	100	9.99×10^{-10}	0.03	0.19	3,500
								250	200				
	28	6	22	30	4.5	24	0.05	150	95	3.16×10^{-9}	0.08	0.31	3,500
								250	195				
	28	6	22	33	4.5	27	0.05	200	140	7.71×10^{-9}	0.1	0.52	3,500
								300	240				
	30	8	22	36	5.5	29	0.05	200	140	1.6×10^{-8}	0.13	0.77	3,500
								300	240				

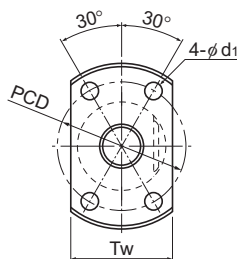
Ball Screw

MTF No Preload

DN value	50,000
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Nut type I



Nut type II

Model No.	Screw shaft outer diameter	Lead	Ball center- to-center diameter	Thread minor diameter	No. of loaded circuits	Basic load rating		Rigidity			
						Ca	C _{0a}		K	Outer diameter	Flange diameter
	d	Ph	dp	dc	Rows X turns	kN	kN	N/μm	D	D ₁	L ₁
○ 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

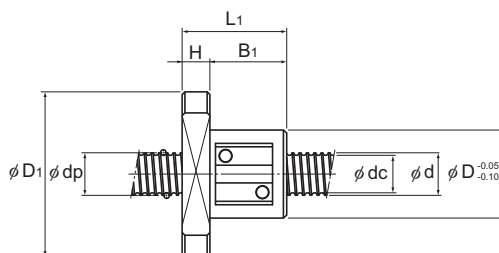
MTF 0802-3.7 +250L C7 T

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 kg·m ² /mm	Nut mass kg	Shaft mass kg/m	Permissible rotational speed min ⁻¹
	H	B ₁	PCD	d ₁	Tw	Nut type						
	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

○: indicates MTF model numbers for which nuts are processed with AP-C treatment as standard. For details, see [B0-20](#).

Notes: Seals are not installed on the Model MTF.

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

Model MTF has only anti-rust oil applied.