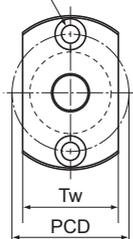


MBF (Unfinished Shaft Ends) No Preload

DN value	70000
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2- ϕ d₁ through hole, ϕ d₂ counter bore depth h



Model No.	Ball screw specifications							Nut			
	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		Outer diameter D	Flange diameter D _f	Overall length L ₁	Nut H
						Ca kN	C _{0a} kN				
MBF 0401-3.7	4	1	4.15	3.3	1×3.7	0.59	0.93	11	24	18	4
MBF 0601-3.7	6	1	6.15	5.3	1×3.7	0.74	1.5	13	30	21	5
MBF 0802-3.7	8	2	8.3	6.6	1×3.7	2.5	4.2	20	40	28	6
MBF 1002-3.7	10	2	10.3	8.6	1×3.7	2.8	5.3	23	43	28	6
MBF 1202-3.7	12	2	12.3	10.6	1×3.7	3	6.5	25	47	30	8
MBF 1402-3.7	14	2	14.3	12.6	1×3.7	3.3	7.5	26	48	30	8
MBF 1404-3.7	14	4	14.3	11.8	1×3.7	5.7	11.1	30	54	38	8

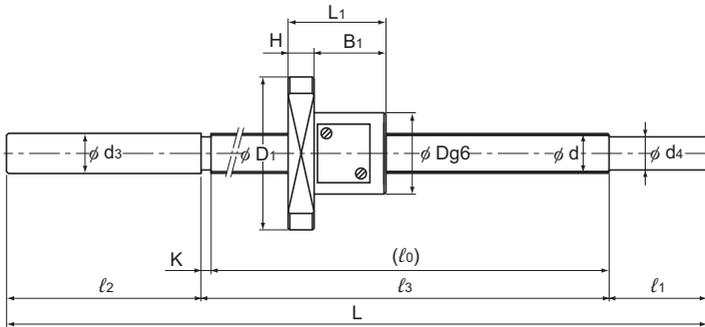
Model number coding

MBF0802-3.7 RR GT +218L C5 A

Model No.	Seal symbol (*1)	Overall screw shaft length (in mm)	Unfinished shaft ends code
	Symbol for clearance in the axial direction (*2)	Accuracy symbol (*3)	

(*1) See **A15-334**. (*2) See **A15-19**. (*3) See **A15-12**.

Positioning Ball Screw



Unit: mm

Dimensions							Screw shaft dimensions							Nut mass kg	Shaft mass kg/m	Permissible rotational speed min ⁻¹	
B ₁	PCD	d ₁	d ₂	h	Tw	Unfinished Shaft End Code	Overall length L	l ₀	l ₁	l ₂	l ₃	d ₃	d ₄				K
14	17	3.4	6.5	2.5	13	A	90	48	10	30	50	4.3	3.2	2	0.02	0.07	3500
							110	68			70						
							130	88			90						
16	21.5	3.4	6.5	3	17	A	131	58	20	50	61	6.3	5.2	3	0.04	0.14	3500
							161	88			91						
							201	128			131						
22	30	4.5	8	4	24	A	168	85	25	55	88	8.3	6.2	3	0.1	0.19	3500
							193	110			113						
							218	135			138						
22	33	4.5	8	4	27	A	183	95	25	60	98	10.3	8.2	3	0.11	0.36	3500
							223	135			138						
							273	185			188						
22	36	5.5	9.5	5.5	29	A	210	117	30	60	120	12.3	10.2	3	0.15	0.58	3500
							235	142			145						
							285	192			195						
22	37	5.5	9.5	5.5	32	A	205	102	40	60	105	14.3	12.2	3	0.16	0.85	3500
							245	142			145						
							295	192			195						
							345	242			245						
30	42	5.5	9.5	5.5	34	A	233	129	40	60	133	14.3	11.2	4	0.25	1.2	3500
							293	189			193						
							353	249			253						
							413	309			313						

Note) The standard specification for the Model MBF is with no seal. Please contact THK if you are interested in attaching a seal.