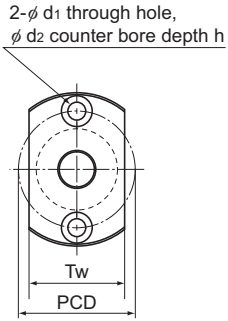
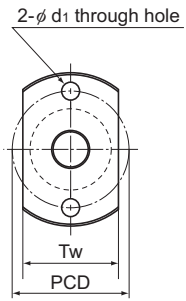
MBF
No Preload

DN value	70000



Nut type Ⅰ

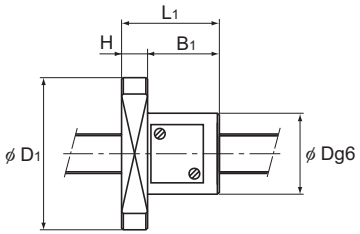


Nut type Ⅱ

Model No.	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows × turns	Basic load rating Ca kN	Basic load rating C_0a kN	Rigidity K N/μm
MBF0401-3.7	4	1	4.15	3.3	1×3.7	0.59	0.93	54
MBF0601-3.7	6	1	6.15	5.3	1×3.7	0.74	1.5	75
MBF0602-2.7	6	2	6.2	5.1	1×2.7	0.75	1.2	58
MBF0602.5-2.7	6	2.5	6.2	5.1	1×2.7	0.75	1.2	59
MBF0801.5-3.7	8	1.5	8.2	7.1	1×3.7	1.1	2.2	99
MBF0802-3.7	8	2	8.3	6.6	1×3.7	2.5	4.2	111
MBF0802.5-3.7	8	2.5	8.3	6.6	1×3.7	2.4	4.1	111
MBF0803-2.7	8	3	8.3	6.2	1×2.7	2.6	4.2	85
MBF0804-2.7	8	4	8.3	6.2	1×2.7	2.6	4.2	84
MBF1001-3.7	10	1	10.15	9.3	1×3.7	0.84	2	113
MBF1001.5-3.7	10	1.5	10.2	9.1	1×3.7	1.25	2.8	120
MBF1002-3.7	10	2	10.3	8.6	1×3.7	2.8	5.3	134
MBF1002.5-3.7	10	2.5	10.3	8.6	1×3.7	2.7	5.3	133
MBF1003-3.7	10	3	10.3	8.2	1×3.7	3.9	7.2	140
MBF1005-2.7	10	5	10.3	8.2	1×2.7	3	5.2	103
MBF1202-3.7	12	2	12.3	10.6	1×3.7	3	6.5	156
MBF1202.5-3.7	12	2.5	12.3	10.6	1×3.7	3	6.4	156
MBF1203-3.7	12	3	12.3	10.2	1×3.7	4.3	8.7	162
MBF1204-3.7	12	4	12.3	9.8	1×3.7	5.4	10.2	165
MBF1402-3.7	14	2	14.3	12.6	1×3.7	3.3	7.5	176
MBF1404-3.7	14	4	14.3	11.8	1×3.7	5.7	11.1	187

Note) The standard specifi cation for the Model MBF is with no seal. Please contact THK if you are interested in attaching a seal.
The Model MBF can support an axial clearance of 0 or less. Please contact THK if you would like to use it in this manner.

Download data by searching for the corresponding model number on the Technical Support site. https://tech.thk.com



Unit: mm

Nut dimensions											Screw shaft inertial moment/mm	Nut mass	Shaft mass	Permissible rotational speed
Outer diameter D	Flange diameter D_1	Overall length L_1	H	B_1	PCD	d_1	d_2	h	Nut type	Tw	$kg \cdot m^2/mm$	kg	kg/m	min^{-1}
11	24	18	4	14	17	3.4	6.5	2.5	I	13	1.97×10^{-10}	0.02	0.07	3500
13	30	21	5	16	21.5	3.4	6.5	3	I	17	9.99×10^{-10}	0.04	0.14	3500
15	29	17	4	13	23	3.4	—	—	II	17	9.99×10^{-10}	0.03	0.21	3500
15	29	18	4	14	23	3.4	—	—	II	17	9.99×10^{-10}	0.03	0.21	3500
16	30	19	4	15	24	3.4	—	—	II	18	3.16×10^{-9}	0.03	0.36	3500
20	40	28	6	22	30	4.5	8	4	I	24	3.16×10^{-9}	0.1	0.19	3500
20	38	26	5	21	30	4.5	—	—	II	22	3.16×10^{-9}	0.07	0.34	3500
20	38	25	5	20	30	4.5	—	—	II	22	3.16×10^{-9}	0.06	0.32	3500
21	39	28	5	23	31	4.5	—	—	II	23	3.16×10^{-9}	0.08	0.34	3500
19	37	18	5	13	29	4.5	—	—	II	21	7.71×10^{-9}	0.04	0.57	3500
19	37	20	5	15	29	4.5	—	—	II	21	7.71×10^{-9}	0.04	0.57	3500
23	43	28	6	22	33	4.5	8	4	I	27	7.71×10^{-9}	0.11	0.36	3500
24	44	27	6	21	35	5.5	—	—	II	26	7.71×10^{-9}	0.09	0.55	3500
24	44	30	6	24	35	5.5	—	—	II	26	7.71×10^{-9}	0.1	0.52	3500
24	44	34	6	28	35	5.5	—	—	II	26	7.71×10^{-9}	0.12	0.56	3500
25	47	30	8	22	36	5.5	9.5	5.5	I	29	1.60×10^{-8}	0.15	0.58	3500
26	46	27	6	21	37	5.5	—	—	II	28	1.60×10^{-8}	0.11	0.8	3500
28	48	30	6	24	39	5.5	—	—	II	30	1.60×10^{-8}	0.14	0.77	3500
28	48	33	6	27	39	5.5	—	—	II	30	1.60×10^{-8}	0.15	0.76	3500
26	48	30	8	22	37	5.5	9.5	5.5	I	32	2.96×10^{-8}	0.16	0.85	3500
30	54	38	8	30	42	5.5	9.5	5.5	I	34	2.96×10^{-8}	0.25	1.2	3500

Options⇒A15-333