

BAUMANNFLEX MM – Datasheet

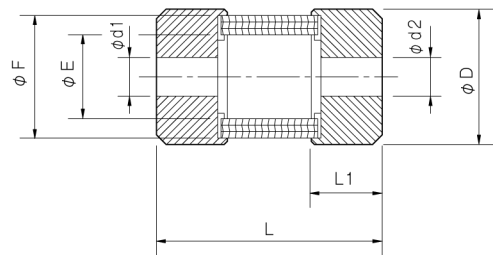
Specifications

Model	Torque		Misalignment			Max. rotation speed [min ⁻¹]	Torsional stiffness [N-m/rad]	Moment of inertia [kg·m ²]	Mass [kg]
	Nominal [N·m]	Max. [N·m]	Parallel [mm]	Angular [°]	Axial [mm]				
MM-6K	2.5	5	0.3	3	+ 0.6	20000	143	7.65 × 10 ⁻⁷	0.03
MM-8K	5	10	0.3	3	+ 0.8	15000	286.5	4.08 × 10 ⁻⁶	0.07
MM-12K	10	20	0.4	3	+ 1.0	12000	573	1.43 × 10 ⁻⁵	0.14
MM-14K	10	20	0.5	3	+ 1.0	10000	573	2.47 × 10 ⁻⁵	0.15
MM-16K	20	40	0.6	3	+ 1.2	9000	1146	6.12 × 10 ⁻⁵	0.30
MM-19K	20	40	0.7	3	+ 1.2	8000	1146	8.42 × 10 ⁻⁵	0.32
MM-20K	40	80	0.7	3	+ 1.6	7000	2292	1.99 × 10 ⁻⁴	0.70
MM-24K	40	80	0.9	3	+ 1.6	7000	2292	2.63 × 10 ⁻⁴	0.75
MM-25K	90	180	0.9	3	+ 2.0	6000	3438	5.66 × 10 ⁻⁴	1.25
MM-28K	90	180	1.0	3	+ 2.0	6000	2865	5.77 × 10 ⁻⁴	1.35
MM-30K	150	300	1.1	3	+ 2.5	5000	4297.5	1.39 × 10 ⁻⁴	2.10
MM-35K	220	440	1.2	3	+ 3.2	4500	6303	3.01 × 10 ⁻⁴	3.50

Model	Torque		Misalignment			Max. rotation speed [min ⁻¹]	Torsional stiffness [N-m/rad]	Moment of inertia [kg·m ²]	Mass [kg]
	Nominal [N·m]	Max. [N·m]	Parallel [mm]	Angular [°]	Axial [mm]				
MM-6K-S	2.5	5	0.3	3	+ 0.6	20000	143	7.65 × 10 ⁻⁷	0.03
MM-8K-S	5	10	0.3	3	+ 0.8	15000	286.5	4.08 × 10 ⁻⁶	0.07
MM-12K-S	10	20	0.4	3	+ 1.0	12000	573	1.43 × 10 ⁻⁵	0.14
MM-16K-S	20	40	0.6	3	+ 1.2	9000	1146	6.12 × 10 ⁻⁵	0.30
MM-20K-S	40	80	0.7	3	+ 1.6	7000	2292	1.99 × 10 ⁻⁴	0.70
MM-25K-S	90	180	0.9	3	+ 2.0	6000	3438	5.66 × 10 ⁻⁴	1.25

- Higher rpm possible with balancing.
- The moment of inertia and mass are specified for the maximum bore diameter.

Dimensions



Model	d1 • d2			D	L	L1	E	F
	Pilot bore	Min.	Max.					
MM-6K	2.5	3	8	16	20	6	11	15.5
MM-8K	3.5	4	8	21	35	11	13	19
MM-12K	5.5	6	12	26	50	16.5	16.5	24
MM-14K	5.5	7	14	30	50	16.5	20.5	28
MM-16K	5.5	10	16	35	65	22	22.4	32
MM-19K	5.5	10	19	38	65	22	26.4	36
MM-20K	5.5	10	20	45	80	27	28	40
MM-24K	5.5	14	24	48	80	27	33	45
MM-25K	5.5	14	25	55	100	33.5	35	50
MM-28K	5.5	14	28	55	100	33.5	37	52
MM-30K	5.5	16	30	65	125	40	40.8	60
MM-35K	5.5	20	35	75	150	48	46	70

Model	d1 • d2			D	L	L1	E	F
	Pilot bore	Min.	Max.					
MM-6K-S	2.5	3	8	17	25	9	11	15.5
MM-8K-S	3.5	4	8	21	35	11	13	19
MM-12K-S	5.5	6	12	26	50	16.5	16.5	24
MM-16K-S	5.5	10	16	35	65	22	22.4	32
MM-20K-S	5.5	10	20	45	80	27	28	40
MM-25K-S	5.5	14	25	55	100	33.5	35	50

MM-16K-S 12H-14N

- Size
- Materials
- Blank: Carbon steel and spring steel
-S: Stainless steel
- Bore diameter: d1 (Small diameter) – d2 (Large diameter)
Blank: Pilot bore
- Bore specifications
Blank: Compliant with the old JIS standards (class 2) E9
H: Compliant with JIS standards H9
J: Compliant with JIS standards JS9
N: Compliant with motor standards