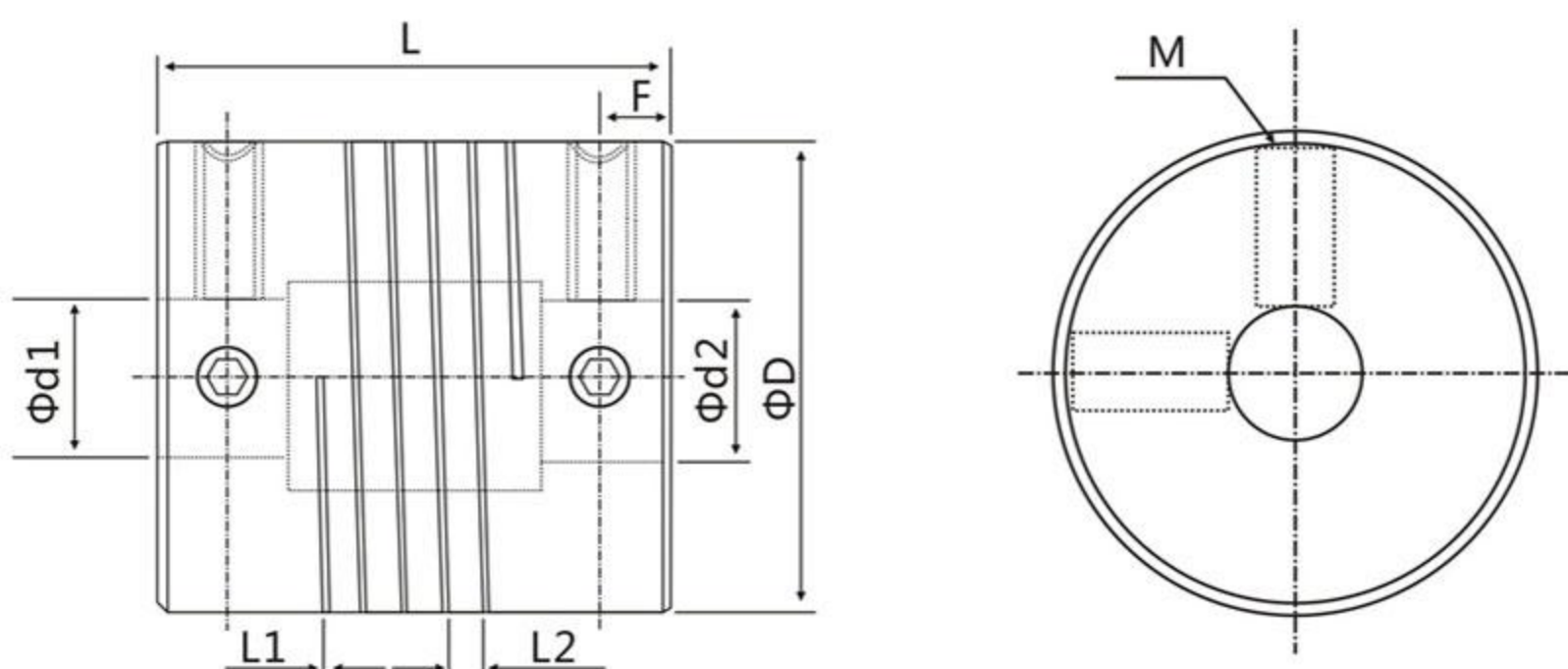


GM aluminum alloy screw thread Setscrew series

Features:

- > Integrated structure, with high-strength aluminum alloy
- > The slit structure can absorb vibration, parallel, angular misalignments and shaft end-play
- > Spring-loaded design, with cushioning effect
- > For encoder/micro-motor
- > Setscrew type



Example: GM - □□ × □□ - □□ × □□
Series Diameter Length d1Bore d2Bore

Example: GM-25×32-8×10
G: Guangzhida
M: Screw thread
25: Diameter
32: Length
8: d1bore
10: d2bore

Dimensions (unit : mm)

Parameter Model NO.	Common Φd1, Φd2 shaft diameter	ΦD	L	L1	L2	F	M	Wrench Torque (N.m)
GM-12×18.5	2,3,4,5,6,6.35	12	18.5	0.4	1.8	2.5	M3	1.2
GM-15.5×21	3,4,5,6,6.35,7	15.5	21	0.4	2	3.3	M3	1.2
GM-15.5×23	3,4,5,6,6.35,7	15.5	23	0.4	2	3.6	M3	1.2
GM-17.5×23	4,5,6,6.35,7,8	17.5	23	0.4	2	2.7	M4	2.5
GM-19.1×19.1	4,5,6,6.35,7,8,10	19.1	19.1	0.4	2	2.8	M4	2.5
GM-19.5×24.5	6,6.35,7,8,9,9.525,10	19.5	24.5	0.4	2	3.3	M4	2.5
GM-25×32	5,6,6.35,7,8,9,9.525,10,11,12,12.7	25	32	0.4	2	3.7	M4	2.5
GM-25.4×25.4	6,6.35,7,8,9,9.525,10,11,12,12.7	25.4	25.4	0.4	2	3.7	M4	2.5
GM-28.6×28.6	8,9,9.525,10,11,12,12.7,14	28.6	28.6	0.4	2.75	3.7	M4	2.5
GM-32×32	8,9,9.525,10,11,12,12.7,14,15,16,17,18	32	32	0.4	2.75	4.6	M4	2.5
GM-32×41	8,9,9.525,10,11,12,12.7,14,15,16,17,18	32	41	0.4	2.75	5.5	M4	2.5
GM-38.1×38.1	8,10,11,12,12.7,14,15,16,17,18,19,20,22	38.1	38.1	0.4	3	5.2	M5	5
GM-42×50	12,12.7,14,15,16,17,18,19,20,22,24,25,28	42	50	0.4	3.5	8.5	M6	8
GM-50×50	12,12.7,14,15,16,17,18,19,20,22,24,25,28,30,32	50	50	0.5	3.5	8.5	M6	8

Specifications

Parameter Model NO.	Rated Torque (N.m)*	Errors of Eccentricity (mm)*	Errors of Angularity (°)*	Errors of Shaft end-play (mm)*	Max. Rotational Frequency (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia (kg.m ²)	Bushings' material	Surface treatment	Mass (g)
GM-12×18.5	0.3	0.10	2	±0.15	30000	40	8.0×10 ⁻⁷	High strength aluminum alloy	anodic oxidation	4
GM-15.5×21	0.5	0.10	2	±0.15	25000	44	2.8×10 ⁻⁷			7.7
GM-15.5×23	0.5	0.10	2	±0.15	25000	45	2.9×10 ⁻⁷			9.3
GM-17.5×23	0.6	0.10	2	±0.15	25000	85	3.5×10 ⁻⁷			12.7
GM-19.1×19.1	0.9	0.10	2	±0.15	24000	130	7.2×10 ⁻⁷			11.6
GM-19.5×24.5	1	0.10	2	±0.15	19000	150	8.1×10 ⁻⁷			16
GM-25×32	2	0.10	2	±0.15	15000	300	3.5×10 ⁻⁷			32
GM-25.4×25.4	2	0.10	2	±0.15	14000	360	2.3×10 ⁻⁶			26
GM-28.6×28.6	2	0.10	2	±0.15	14000	360	2.3×10 ⁻⁶			39
GM-32×32	3	0.10	2	±0.15	13000	380	2.5×10 ⁻⁶			57
GM-32×41	4	0.10	2	±0.15	12000	450	9.6×10 ⁻⁶			65
GM-38.1×38.1	6.5	0.10	2	±0.15	9500	400	2.7×10 ⁻⁵			97
GM-42×50	8	0.10	2	±0.15	9000	500	7.2×10 ⁻⁵			185
GM-50×50	20	0.10	2	±0.15	8000	570	8.1×10 ⁻⁵			220

Moment of inertia and mass figures based on the maximum shaft bores