Miniature Metal Bellows Coupling MKM

• Standard series with lateral clamping hub
• High torsional stiffness - flexible

Tightening torque refers to screws.



Dimensions in mm. Length dimensions according to DIN ISO 2768 cH.

Material: Bellows: stainless steel Hubs: high-tensile strength aluminium Clamping screws: ISO 4762 - 12.9 Press-fit wire: brass
Temperature range (°C): –40° to +200°C
Max. Speed (rpm): 20 000

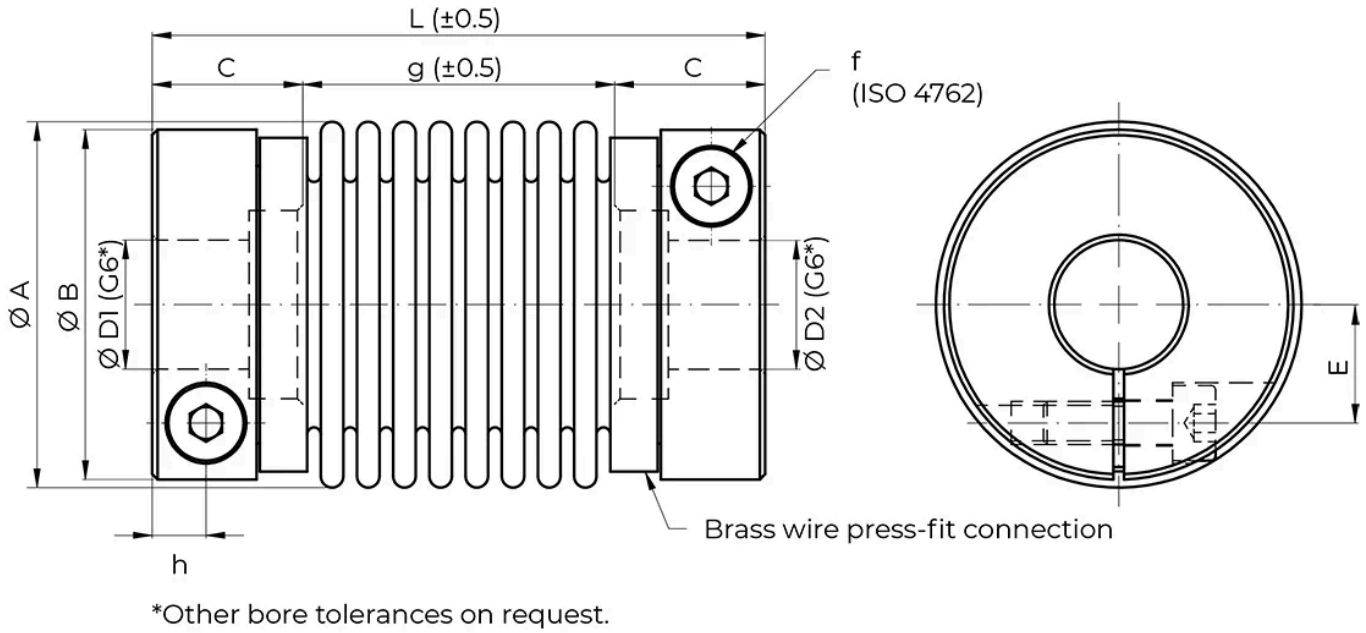
Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

General Data

Designation	Nominal Torque (Nm)	Max. Torque (Nm)	Moment of inertia (10^{-6}kg*m²)	Torsional stiffness (Nm/arcmin)	Axial max. shaft misalignment (mm)
MKM0.4	0.4	0.8	0.3	50	0.35
MKM0.9	0.9	1.8	0.4	90	0.3
MKM2	2	4	3.0	230	0.5
MKM4	4	8	3.0	4 560	0.4
MKM7	7	14	14	1 100	0.6
MKM8	8	16	26	1 350	0.8
MKM12	12	24	30	2 050	0.7

Designation	Lateral max. shaft misalignment (mm)	Axial spring rate (N/mm)	Lateral spring rate (N/mm)	Tightening Torque (Nm)	Weight (g)
MKM0.4	0.2	10	15	1	10
MKM0.9	0.2	21	26	1	12
MKM2	0.2	15	15	2	30
MKM4	0.2	35	65	2	40
MKM7	0.25	45	60	4	80
MKM8	0.3	16	24	8	130
MKM12	0.25	40	70	8	125

Dimensions



*Other bore tolerances on request.

Designation	Nominal Torque (Nm)	A	B	L	C	g	f	E	ØD1/2 min.
MKM0.4	0.4	16.5	-	30	9	12	M2.5	4.6	3
MKM0.9	0.9	16.5	-	31.5	9	13.5	M2.5	4.6	3
MKM2	2	24.5	-	42	13	16	M3	7.5	3
MKM4	4	24.5	-	44	13	18	M3	7.5	5

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Designation	Nominal Torque (Nm)	A	B	L	C	g	f	E	ØD1/2 min.
MKM7	7	34 ±0.5	32.5	57	14	29	M4	11	6
MKM8	8	39.5	-	60	16.6	26.5	M5	13	6
MKM12	12	39.5	-	62	16.6	29	M5	13	6

Designation	ØD1/2 max.
MKM0.4	6.35
MKM0.9	6.35
MKM2	10
MKM4	10
MKM7	17
MKM8	19
MKM12	19

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