Miniature Metal Bellows Coupling I Series MKM

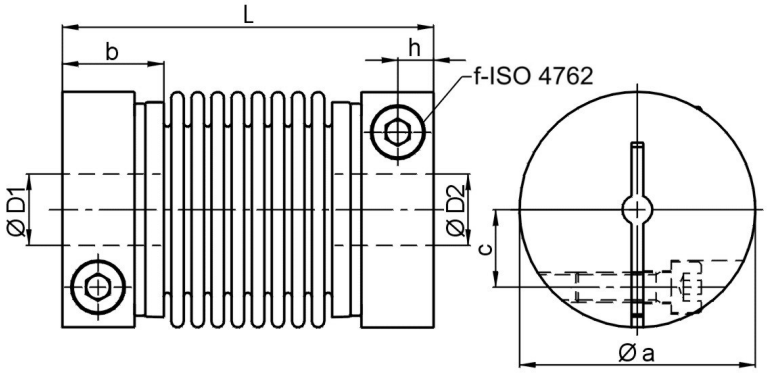
• standard series with lateral clamping hub

technical data:

MKM size	T_N [Nm]	moment of inertia [10^{-6}kgm^2]	torsional stiffness [10^{-3}Nm/arcmin]	max. shaft misalignment (mm) axial ±	lateral	spring rate [N/mm] axial ±	lateral	mass approx. [g]	tightening torque of screws [Nm]
0,4	0,4	0,3	50	0,35	0,2	10	15	10	1
0,9	0,9	0,4	90	0,3	0,2	21	26	12	1
2	2	3,0	230	0,5	0,2	15	15	30	2
4	4	3,0	460	0,4	0,2	35	65	40	2
7	7	14	1100	0,6	0,25	45	60	80	4
8	8	26	1350	0,8	0,3	16	24	130	8
12	12	30	2050	0,7	0,25	40	70	140	8

max. operational speed: 20.000 Upm temperature range: -40°C up to +200°C

material:
bellows: stainless steel
hubs: high-tensile strength
aluminum
screws: ISO 4762 / 12.9



Dimensions [mm]: length dimensions according to DIN ISO 2768 cH

MKM	Ø a	b	c	f	h	L ±0,5	Ø D 1/2 min	Ø D 1/2 max
0,4	16,5	9	4,6	M 2,5	3,3	30	3	6,35
0,9	16,5	9	4,6	M 2,5	3,3	31,5	3	6,35
2	24,5 (27,5)	13	7,5 (9,6)	M 3	4,4	42	3	10 (14)
4	24,5 (27,5)	13	7,5 (9,6)	M 3	4,4	44	5	10 (14)
7	34	14	11	M 4	5	57	6	17
8	40 (44,5)	16,5	13 (15,5)	M 5	6	60	6	19 (24)
12	40 (44,5)	16,5	13 (15,5)	M 5	6	62	6	19 (24)

on request, couplings from size 2-12 are avaiable with EASY-clamp

stock bores D1/D2 (G7)

MKM	Ø 3	Ø 4	Ø 5	Ø 6	Ø 6,35	Ø 8	Ø 9,53	Ø 10	Ø 12	Ø 14	Ø 15	Ø 16	Ø 19	Ø 20	Ø 24
0,4/0,9	•	•	•	•	•										
2/4		•	•	•	•	•	•	•	L	L					
7				•	•	•	•	•	•	•	•	•			
8/12				•	•	•	•	•	•	•	•	•	•	L	L

note: Standard version (ST) – bore diameter (•) and dimensions as per the table values not enclosed in parentheses. Larger bore diameters (L) are possible using the special hub version „L“ – dimensions are as per the values in parentheses in the dimension table. A combination of the standard version (ST) and the special version (L) is possible – see the ordering example.

order example:			
	MKM 4 – ST / ST	D1 = Ø 8 G7	D2 = Ø 10 G7
	MKM 4 – ST / L	D1 = Ø 10 G7	D2 = Ø 12 G7
	MKM 4 – L / L	D1 = Ø 12 G7	D2 = Ø 14 G7