Miniature Metal Bellows Coupling I Series MKP

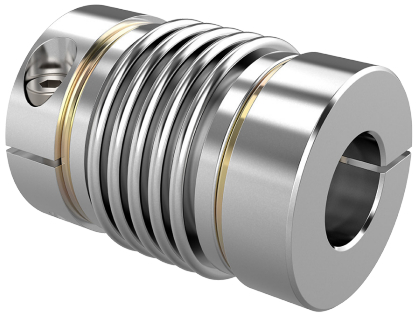
• short design • with lateral clamping hub

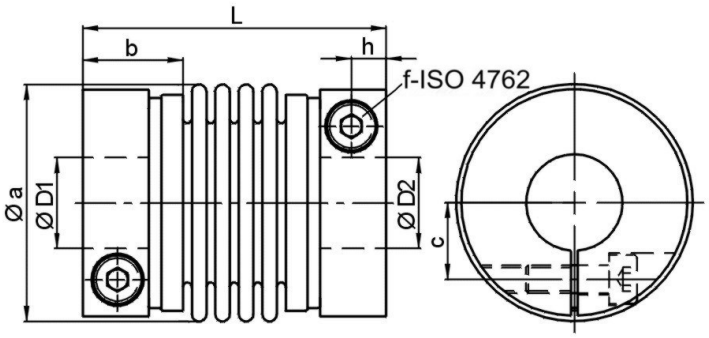
technical data:

MKP size	T_N [Nm]	moment of inertia [10^{-6}kgm^2]	torsional stiffness [Nm/arcmin]	max. shaft misalignment (mm) axial ±	lateral	spring rate [N/mm] axial ±	lateral	mass approx. [kg]	tightening torque of screws [Nm]
2	2	2,5	400	0,3	0,1	32	100	0,030	2
5	5	2,8	800	0,3	0,1	70	400	0,040	2
7	7	12	1700	0,4	0,15	70	220	0,080	4
8	8	25	2100	0,5	0,15	20	90	0,125	8
12	12	28	2600	0,4	0,15	45	190	0,130	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

MKP	Ø a	b	c	f	h	L ±0,5	Ø D 1/2 min	Ø D 1/2 max
2	24,5 (27,5)	13	7,5 (9,6)	M 3	4,4	35	3	10 (14)
5	24,5 (27,5)	13	7,5 (9,6)	M 3	4,4	36	6	10 (14)
7	34	14	11	M 4	5	47	6	17
8	40 (44,5)	16,5	13 (15,5)	M 5	6	51	6	19 (24)
12	40 (44,5)	16,5	13 (15,5)	M 5	6	51	6	19 (24)

on request, all couplings are avaiable with EASY-clamp

stock bores D1/D2 (G7)

MKP	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
2/5	•	•	•	•	•	•	•	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:			
	MKP 5 – ST / ST	D1 = Ø 8 G7	D2 = Ø 10 G7
	MKP 5 – ST / L	D1 = Ø 10 G7	D2 = Ø 12 G7
	MKP 5 – L / L	D1 = Ø 12 G7	D2 = Ø 14 G7