

Miniature Metal Bellows Coupling I Series MKG

- /// all-metal version up to 350°C // wear and maintenance free
- /// very short and variable design // torsionally stiff
- /// simple installation with optional EASY-clamping hub

technical data:

MKG Größe	T _N [Nm]	moment of inertia [kgmm ²]	torsional stiffness [Nm/arcmin]		max. shaft misalignment [mm]				axial spring rate [N/mm]		latal spring rate [N/mm]		mass approx. [g]
			2W	4W	axial ±	lateral	2W	4W	2W	4W	2W	4W	
2	2	1	-	0,3	-	0,3	-	0,1	-	34	-	140	26
5	5	4	1,3	0,9	0,2	0,3	0,05	0,1	135	75	2500	400	60
10	10	19	3,3	2,1	0,3	0,4	0,1	0,15	150	85	2300	400	140
20	20	44	6	3,4	0,3	0,4	0,1	0,15	100	55	2100	360	220

max. operational speed: 20.000 Upm

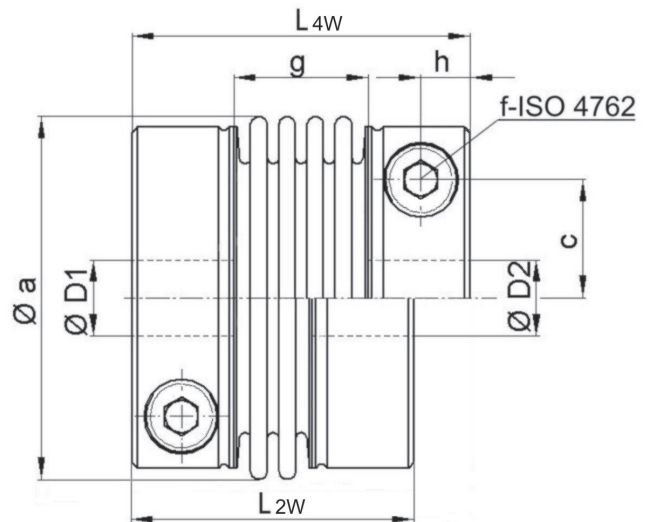
temperature range: -40°C up to +350°C

material:

bellows: stainless steel 1.4571

hubs: steel St 52

screws: ISO 4762 / 12.9



notes: connection between bellows and hub by plasma welding. Two standard versions with 4-corrugation bellows 4W or 2-corrugation bellows 2W. Size 1.5 with 5-corrugated metal bellows.

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

MKG	Øa	c	f-TA	g		h	L		ØD1/2 min	ØD1/2 max
				2W	4W		2W	4W		
2	19	4,3	2xM2,5-1,5 Nm	-	11	3,3	-	29	3	6,35
5	24	7,3	M3-2 Nm	6	10	4,5	25	29	6	11
10	34	10,5	M4-5 Nm	11	16	5	33	38	8	16
20	40	13	M5-10 Nm	12	17	6	38	43	10	20

- standard clamping hubs without EASY-pin (EASY design optionally possible)
- alternative lengths and hub versions are possible on request

order example: MKG 5 / 4W D1 = 8^{G7} D2 = 11^{H7}
 MKG 20 / 2W D1 = 10^{G7} D2 = 20^{H7}