

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 size	T _N [Nm]	moment of inertia [10 ⁻³ kgm ²]	torsional stiffness [Nm/arcmin]		max. shaft misalignment [mm]				axial spring rate [N/mm]		lateral spring rate [N/mm]		mass approx. [kg]
			2W	4W	2W	4W	2W	4W	2W	4W	2W	4W	
5	5	0,004	1,3	0,9	0,2	0,3	0,05	0,1	135	75	2500	400	0,06
10	10	0,019	3,3	2,1	0,3	0,4	0,1	0,15	150	85	2300	400	0,14
20	20	0,044	6	3,4	0,3	0,4	0,1	0,15	100	55	2100	360	0,22

temperature range: -40°C up to +350°C



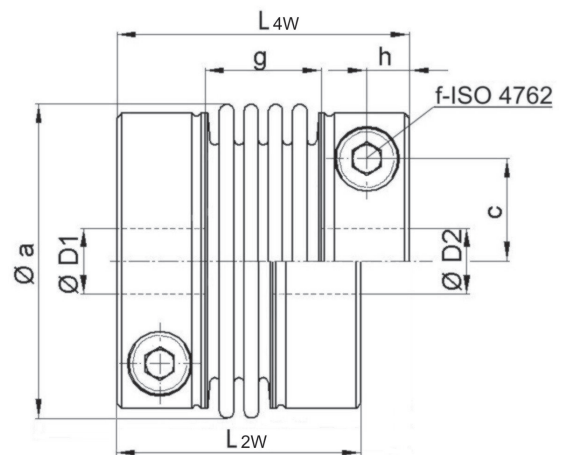
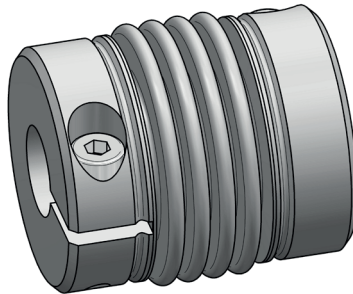
update version

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

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		
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 of sizes 5 / 10 / 20 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}