

Miniature Metal Bellows Coupling I Series MKG

- /// all-metal version up to 300°C // wear and maintenance free
- /// very short and variable design // torsionally stiff
- /// simple installation with optional EASY-clamping hub

technical data:

MKG	T _N [Nm]	moment of inertia [10-3kgm ²]	torsional stiffness [Nm/arcmin]			max. shaft misalignment (mm)						axial spring rate [N/mm]			lateral spring rate [N/mm]			n _{max} [upm]
			2W	4W	6W	axial ±			lateral			2W	4W	6W	2W	4W	6W	
						2W	4W	6W	2W	4W	6W							
5	5	0,004	1,3	0,9	0,6	0,2	0,3	0,5	0,05	0,1	0,2	135	75	45	2500	400	140	0,06
10	10	0,019	3,3	2,1	1,3	0,3	0,4	0,5	0,1	0,15	0,25	150	85	60	2300	400	130	0,14
20	20	0,044	6	3,4	2,4	0,3	0,4	0,5	0,1	0,15	0,25	100	55	50	2100	360	110	0,22

max. operational speed: 20.000 Upm

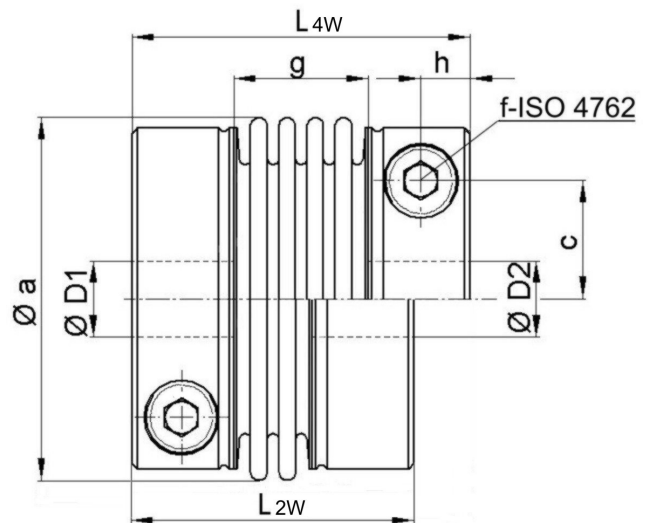
temperature range: -40°C up to +300°C

material:

bellows: stainless steel 1.4571

hubs: steel St 52 - burnished

screws: ISO 4762 / 12.9



notes: connection between bellows and hub by plasma welding. Three standard versions with 2-corrugated metal bellows 2W, 4-corrugated metal bellows 4W or 6-corrugated metal bellows 6W.

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

MKG	Øa	c	f-TA	g			h	L			mass ~ [kg]	ØD1/2	
				2W	4W	6W		2W	4W	6W		min	max
5	24	7,3	M3-2 Nm	6	10	14	4,5	25	29	33	0,06	6	11
10	34	10	M4-5 Nm	11	16	23	5	33	38	45	0,14	8	18
20	40	13	M5-10 Nm	12	17	23	6	38	43	49	0,22	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}