

Metal Bellows Coupling I Series KGE

- for standardized interface connection DIN - EN - ISO 9409 - 1
- two-part connection flange compact design sturdy all-metal version
- simple installation with radial EASY-clamping hub at output side temperatures up to 300°C

technical data:

KGE Size	nominal torque [Nm]	ISO 9409 interface	moment of inertia [10 ⁻³ kgm ²]	torsional stiffness [Nm/arcmin] 4W 2W	max. shaft axial displacement (mm) axial ± lateral 4W 2W 4W 2W	lateral spring rate [N/mm] 4W 2W	spring rate [N/mm] 4W 2W	mass approx [kg]	tightening torque of screws [Nm] f i j
40	40	A-31,5	0,2	3,4 6	0,5 0,3 0,15 0,1	55 100	360 2100	0,6	16 8 4
140	140	A-50	1,2	20 32	0,6 0,3 0,2 0,1	110 210	1200 7000	1,3	40 14 8
220	220	A-63	2	28 50	0,7 0,4 0,2 0,1	95 170	1000 5000	1,7	80 14 14
350	350	A-80	4,2	52 93	0,8 0,4 0,2 0,1	90 170	1300 7000	2,6	135 35 14
700	700	A-100	9,1	106 190	0,8 0,4 0,2 0,1	140 260	2800 15000	4,3	135 65 35
1800	1800	A-125	34	300 --	1 -- 0,2 --	250 --	4700 --	8,2	300 65 35

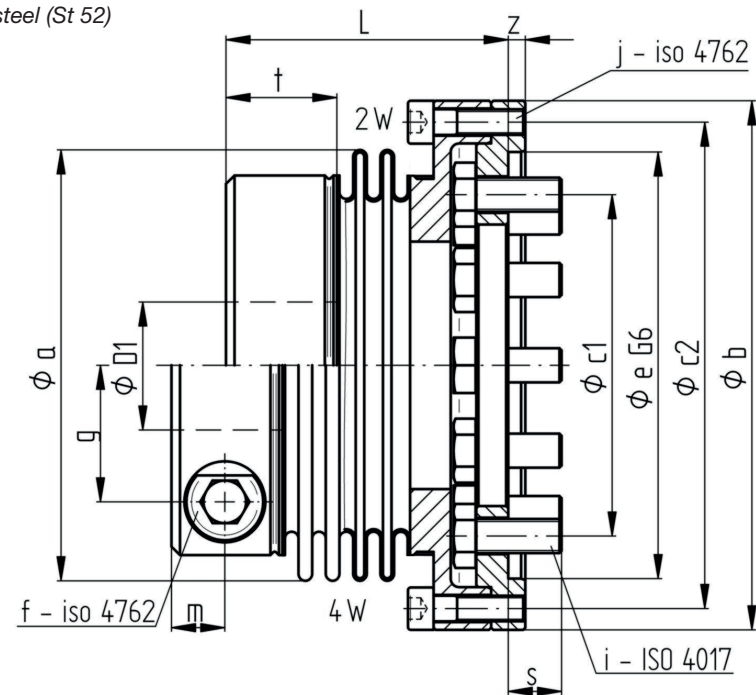
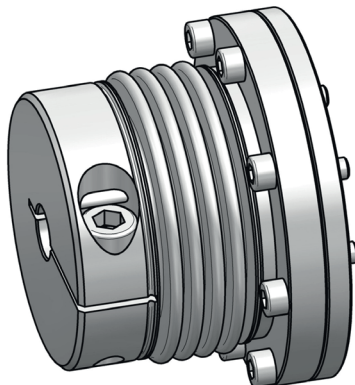
Standard with 4-corrugation bellows 4W; alternative available with 2-corrugation bellows 2W.

- allowed maximum torque = 2 x nominal torque
- maximum speed up to 20.000 min⁻¹



update version

Material:
bellows: stainless steel
flange ring: heat treated steel - carbonized
clamping hub / flange hub: steel (St 52)
screws: ISO 4762/12.9



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

KGE	Øa	Øb	Øc1	Øc2	Øe	f	g	i	j	L 4W 2W	m	s	t	z	ØD1 min max
40	56	63,5	31,5	56,5	40	M6	18	8xM5	8xM4	57 46	7,5	7	16	2,5	12 32
140	71	88,5	50	80	63	M8	27	8xM6	8xM5	64 54	9	9,5	18,5	4	18 42
220	82	104	63	94	80	M10	27,5	12xM6	8xM6	71 59	11,5	10,5	22,5	4	20 42
350	101	124	80	114	100	M12	32	12xM8	12xM6	79 67	12,5	12,5	26	4	22 50
700	122	155	100	142	130	M12	40	12xM10	12xM8	89 73	11,5	15,5	24	4	42 64
1800	157	184	125	171	160	M16	54	12xM10	16xM8	107 -	17,5	18,5	68,5	4	50 90

order example: KGE 350 / 4W ØD1 = 38 G7 / for ISO 9409 - interface A-80
KGE 140 / 2W ØD1 = 28 G7 / for ISO 9409 - interface A-50