

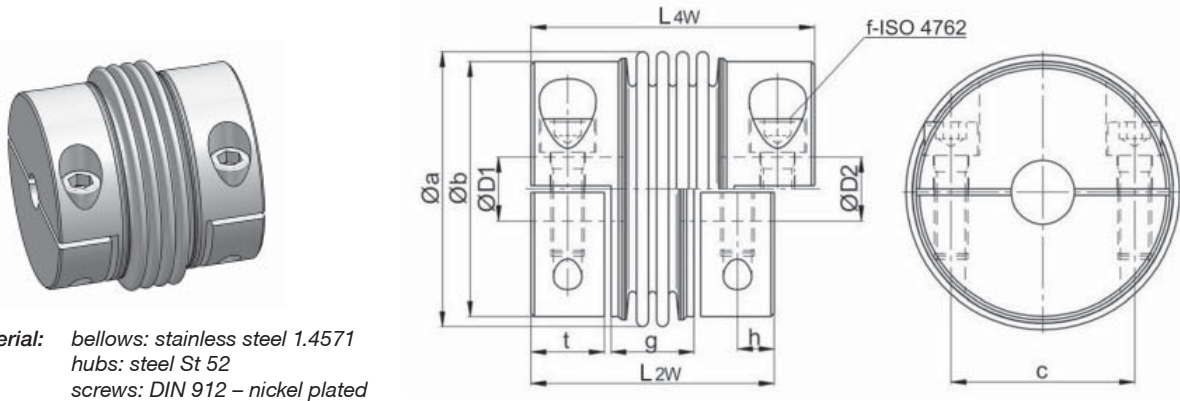
# Metal bellows coupling I Series KGH

- /// simple installation - splitted hub design
- /// backlash free - torsional stiff // wear and maintenance free
- /// variable length // all-steel-version - up to 350°C

## Technical data:

KGH size	$T_N$ [Nm]	moment of inertia [ $10^{-3} \text{kgm}^2$ ]	torsional stiffness [Nm/arcmin]	max. shaft displacement (mm)		axial spring rate [N/mm]	lateral springrate [N/mm]	mass approx. [kg]
				axial $\pm$	lateral			
20	20	0,045	3,4 (6)	0,5 (0,3)	0,15 (0,1)	55 (100)	360 (2100)	0,25
40	40	0,2	9 (16)	0,6 (0,3)	0,2 (0,1)	70 (130)	450 (2500)	0,6
80	80	0,5	14 (26)	0,6 (0,3)	0,2 (0,1)	70 (120)	600 (3500)	0,9
220	220	1,4	28 (50)	0,7 (0,4)	0,2 (0,1)	95 (170)	1000 (5000)	1,8
350	350	3,0	52 (93)	0,8 (0,4)	0,2 (0,1)	90 (170)	1300 (7000)	2,8
700	700	7,3	106 (190)	0,8 (0,4)	0,2 (0,1)	140 (260)	2800 (15000)	4,6
1600	1600	46	225 (--)	0,7 (--)	0,2 (--)	160 (--)	2100 (--)	15

Standard with 4- corrugation bellows; alternative available with 2- corrugation bellows (values in brackets)



**Material:** bellows: stainless steel 1.4571  
hubs: steel St 52  
screws: DIN 912 – nickel plated

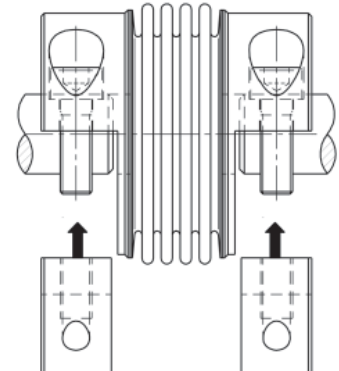
**Note:** Connection between bellows an hub: with plasma welding-process

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

KGH	$\varnothing a$	$\varnothing b$	c	f	g	h	L-4w	L-2w	t	$\varnothing D1/2min$	$\varnothing D1/2max$
20	39,5	38	25,5	M 5 - 7 Nm	22 (17)	6	50 (45)	12	6	19	
40	56	51	36	M 6 - 16 Nm	32 (22)	7,5	66 (56)	15	12	28	
80	66	62	45	M 8 - 40 Nm	32 (24)	8	68 (60)	16	14	35	
220	82	76	55	M 10 - 80 Nm	37 (27)	11	85 (75)	22	20	42	
350	101	89	64	M 12 - 135 Nm	40 (29)	13	94 (83)	24	22	48	
700	122	108	78	M 14 - 180 Nm	47 (31)	15	107 (91)	27	35	62	
1600	157	145	108	2x M 16 - 290 Nm	55 (--)	18 / 30	190 (--)	64	35	85	

## Mounting instruction:

The splitted hub design allows a easy assembly. Further simplification during installation is provided because one half of the split hub is put onto the pipe. This allows that the coupling can rest on the two shaft ends. The second half of the split hub can then be mounted to the coupling by screwing it on from below with the specified tightening torque. This feature makes a "one man assembly" possible.



Ordering example: KGH 220/4W - D1 = 24 G7 D2 = 30 G7