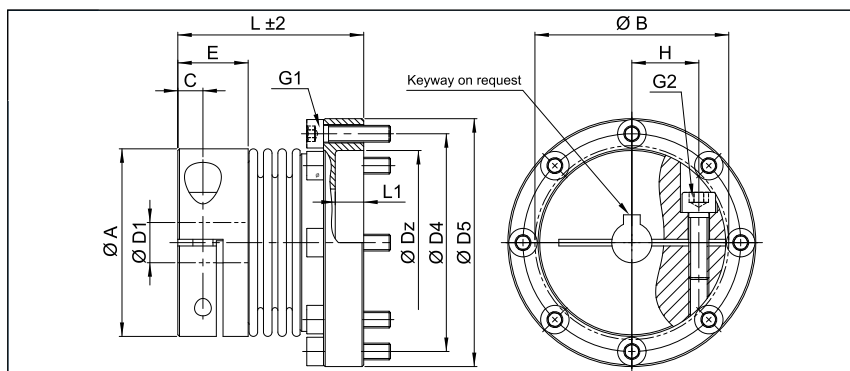


Metal Bellows Coupling
zum Flanschanbau

KB4F



optional
laserwelded
optional full stainless
steel version



Order Code

KB4F / 150 - 85.5 - 30 - 80

Type / Size

Length
L

ØD
(H7)

Dz

Size	Torque TKN (Nm)	Dimensions (mm)												Technical Data									
		L	L1	Ø A	Ø D1	H	C	E	Ø B	D4	D5	Dz	G1	G2	Mass (kg)	Moment of Inertia J (g m²)	Spring Stiffness			Misalignment			max. speed (min-1)
					Bore Size (H7) min~max								Screw ISO4762 TA (Nm)	Screw ISO4762 TA (nm)			torsional CT 10³ (Nm/rad)	radial CR (N/ mm)	axial CA (N/ mm)	radial ΔKr (mm)	axial ΔKa (mm)	an- gular ΔKw (°)	
18	18	57.5 66	7.5	45	10- 25.4	17	5.5	17.5	47.4	56.5	63.5	44	M5	8xM4	0.24	0.13	20	205	50	0.2	0.5	1.5	12800
													8	4.5	0.26	0.13	15	82	36	0.25	0.5	2	
30	30	55.5 64	8.5	56	10-32	20	7.3	21	56.4	65	74	55	M6	8xM5	0.38	0.29	38	720	50	0.15	0.6	1.5	10300
													15	8	0.40	0.29	28	225	28	0.25	1.0	2	
60	60	63 74.5	8.5	66	12-35	23	8.6	24	66	76	86	65	M8	8xM5	0.57	0.56	75	1150	90	0.15	0.6	1.5	8700
													40	8	0.62	0.58	50	340	50	0.25	1.0	2	
150	150	73.5 85.5	8.5	82	14-44	28	9.8	27	82.9	94	104	80	M10	8xM6	0.87	1.33	155	2020	145	0.2	0.5	1.5	6900
													84	15	0.92	1.34	105	595	85	0.25	0.8	2	
300	300	85.5 96.5	10	110	30-60	40	11.8	32.5	110	120	132	105	M12	12xM6	1.78	4.39	502	6300	280	0.2	0.5	1.5	6000
													145	15	1.88	4.42	285	1400	145	0.25	0.8	2	
500	500	91 104	10	122	35-70	42	13.3	36	122	142	155	130	M12	12xM8	2.15	6.98	690	7790	100	0.2	0.5	1.5	5000
													145	40	2.30	7.09	320	970	85	0.25	1	2	
1400	1400	130.5	11	157	50-80	55	22.5	55	107.3	171	184	152	2xM20	16xM8	9.07	38.07	1270	700	275	0.2	0.8	1.8	5000
													470	40									

Material

bellows - stainless steel
collet clamps - to Size 500: high-tensile aluminium
collet clamps - Size 1400: Steel
flanges - steel

Hub

bore tolerance: H7

Temperature Range

-30 °C ~ 120 °C
-30 °C ~ 250 °C (Size 1400)

Keyway

optional acc. DIN 6885
biggest bore marked with a #

*Note:

Screw arrangement
from size 800 onwards

