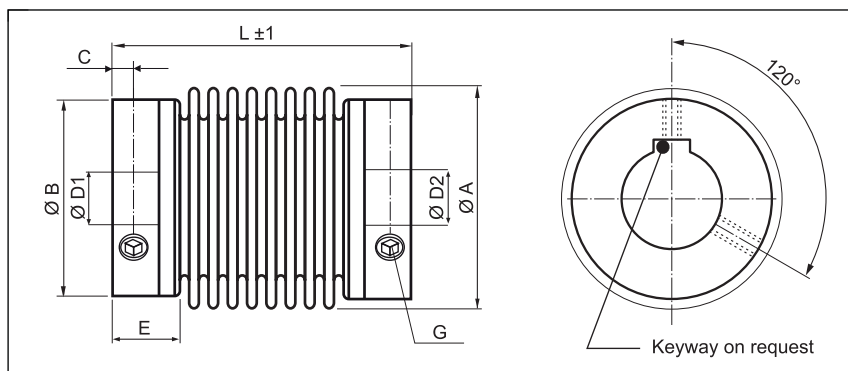


Miniature Metal Bellows Coupling
with set screws

KB1



optional
laserwelded
optional full stainless
steel version



Order Code

KB1 / 45 - 40 - 10 - 18 - (S)

Type / Size

Length
L

ØD1
(H7)

ØD2
(H7)

Options

Size	Torque TKN (Nm)	Dimensions (mm)							Technical Data							
		L	Ø B	Ø D1/D2	Ø A	C	E	G	Mass (g)	Moment of Inertia J (g cm²)	Spring Stiffness			Misalignment		
		Length	Hub Ø	Bore Sizes (H7) min-max	Outer Ø		Hub-length	Screw (ISO4029) TA (Nm)			torsional CT (Nm/rad)	radial CR (N/mm)	axial CA (N/mm)	radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)
05	0.05	14	6.5	1-3	6.5	1.5	4	1xM2 0.35	1	0.1	50	6	9	0.1	0.4	1
1	0.1	23	10	1-4	10	2	6	1xM3 0.5	3	0.45	65	10	14	0.12	0.2	1.2
5	0.5	19	13.5	3-8	15	2	6	1xM3	4	1.3	260	43	13	0.1	0.2	1
		23						4.5	1.5	200	18	10	0.15	0.3	1.5	
		27						5	1.6	160	9	8	0.2	0.4	2	
10	1	21	13.5	3-8	15	2	6	1xM3	5.5	1.8	510	74	27	0.1	0.2	1
		25						6	2	380	31	20	0.15	0.3	1.5	
		29						7	2.3	310	16	16	0.2	0.4	2	
15	1.5	26	19	3-12	19	3	8	2xM4	10	6	750	59	15	0.1	0.3	1.5
		30		8#				1.5	12	7.4	700	20	9	0.15	0.4	2
20	2	22	21.5	3-14	24	3	6	2xM4	11	9.2	1500	67	12	0.15	0.3	1.5
		28		10#				13	12.6	1300	21	11	0.2	0.4	1.5	
		32						15	13.5	1050	11	9	0.25	0.5	2	
45	4.5	40	29	6-19	32	4	12	2xM6	44	68	6500	168	32	0.1	0.3	1.5
		48		13#				3	50	79	4200	41	20	0.2	0.5	2
100	10	45	36	6-24	40	4	12	2xM6	60	150	8100	120	27	0.15	0.4	1.5
		55		17#				3	79	210	6800	29	17	0.3	0.6	2
180	18	63	44	10-28	45	7	19.5	2xM8	100	339	20000	205	50	0.2	0.5	1.5
		71						20	150	396	15000	82	36	0.25	0.5	2
300	30	65	54	10-34	56	9	24.5	2xM8	180	945	38000	720	50	0.15	0.6	1.5
		73						20	200	958	28000	225	28	0.25	1	2

Speed

max. 15000 min⁻¹

Material

bellows - stainless steel, size 05: bronze
hub - aluminium

Hub

bore tolerance: H7

Temperature Range

-30 °C ~ 120 °C

Keyway

optional acc. DIN 6885
biggest bore with keyway marked with a #