



ABOUT

FEATURES

- ▶ easy to mount
- ▶ light weight and low moment of inertia
- ▶ economical design

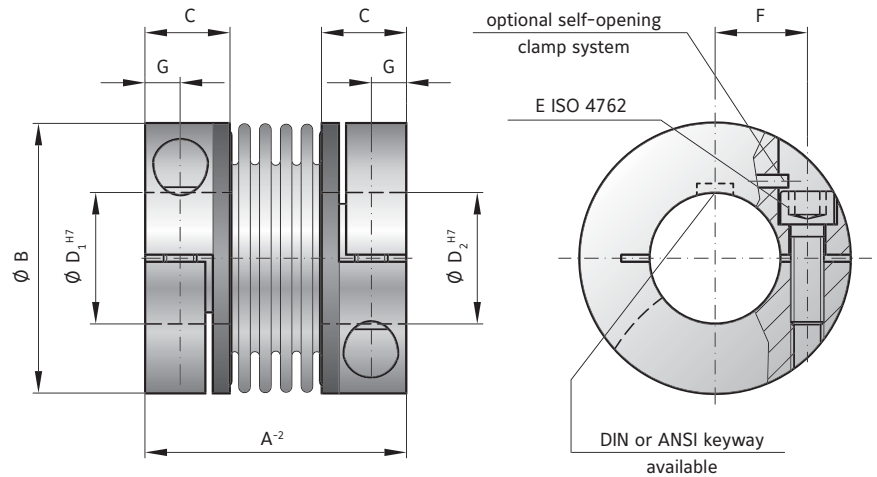
MATERIAL

- ▶ **Bellows:** high grade stainless steel
- ▶ **Hubs:** see table

DESIGN

Two clamping hubs concentrically mounted to flexible bellows. Brief overloads of up to 1.5x the rated torque are acceptable.

Optional: self-opening clamp system to open the bore during installation and removal by backing out the clamping screw.



MODEL BKL

SIZE			2	4.5	10	15	30	60	80	150	300	500			
Rated torque (Nm)	T_{KN}		2	4.5	10	15	30	60	80	150	300	500			
Overall length (mm)	A^{-2}		30	40	44	58	68	79	92	92	109	114			
Outside diameter (mm)	B		25	32	40	49	56	66	82	82	110	123			
Fit length (mm)	C		10.5	13	13	21.5	26	28	32.5	32.5	41	42.5			
Inside diameter possible from \emptyset to \emptyset H7 (mm)	$D_{1/2}$		4-12.7	6-16	6-24	8-28	10-32	14-35	16-42	19-42	24-60	35-62			
Fastening screw ISO 4762			M3	M4	M4	M5	M6	M8	M10	M10	M12	M16			
Tightening torque of the fastening screw (Nm)	E		2.3	4	4.5	8	15	40	70	85	120	200			
Distance between centerlines (mm)	F		8	11	14	17	20	23	27	27	39	41			
Distance (mm)	G		4	5	5	6.5	7.5	9.5	11	11	13	17			
Moment of inertia (10^{-3} kgm ²)	J_{ges}		0.002	0.007	0.016	0.065	0.12	0.3	0.75	1.8	0.8	7.5	3.1	11.7	4.9
Hub material			AL optional steel	AL optional steel	AL optional steel	AL optional steel	AL optional steel	AL optional steel	AL optional steel	steel optional AL	steel optional AL	steel optional AL			
Approximate weight (kg)			0.02	0.05	0.06	0.16	0.25	0.4	0.7	1.7	0.75	3.8	1.6	4.9	2.1
Torsional stiffness (10^3 Nm/rad)	C_T		1.5	7	9	23	31	72	80	141	157	290			
Axial \pm (mm)		Max. values	0.5	1	1	1	1	1.5	2	2	2	2.5			
Lateral \pm (mm)			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2			
Angular \pm (degree)			1	1	1	1	1	1	1	1	1	1			
Axial spring stiffness (N/mm)	C_a		8	35	30	30	50	67	44	77	112	72			
Lateral spring stiffness (N/mm)	C_r		50	350	320	315	366	679	590	960	2940	1450			

ORDERING EXAMPLE	BKL	80	26	22.23	XX
Model	●				Special designation only (e.g. anodized hubs).
Size		●			
Bore D1 H7			●		
Bore D2 H7				●	
For custom features place an XX at the end of the part number and describe the special requirements (e.g. BKL / 80 / 26 / 22.23 / XX; XX=finely balanced for 25,000 rpm)					