

BKL

With clamping hub

2 – 500 Nm

Features

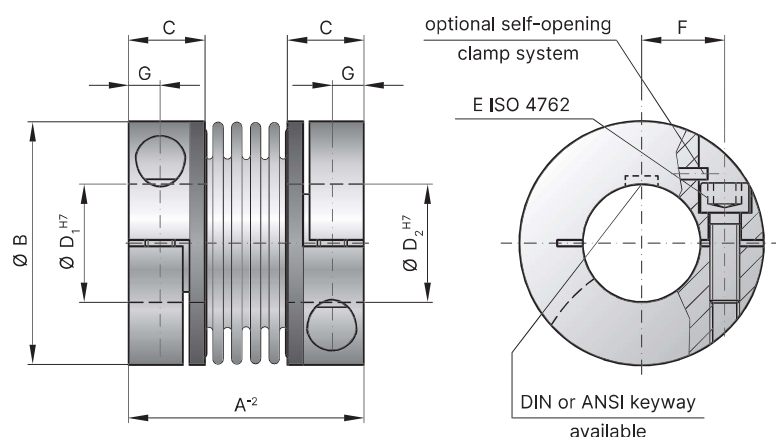
- Easy to mount
- Light weight and low moment of inertia

Material

- **Bellows:** high grade stainless steel

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	3	4.5	10	15	30	60	80	150	300	500			
Rated torque	(Nm)	T _{KN}	2	3	4.5	10	15	30	60	80	150	300	500			
Overall length	(mm)	A ⁻²	30	32	40	44	58	68	79	92	92	109	114			
Outside diameter	(mm)	B	25	25	32	40	49	56	66	82	82	110	123			
Fit length	(mm)	C	10	10	13	13	21.5	26	28	32.5	32.5	41	42.5			
Inside diameter possible from Ø to Ø H7	(mm)	D _{1/2}	4-12.7	3-12.7	6-16	6-24	8-28	10-32	14-35	16-42	19-42	24-60	35-62			
Fastening screw ISO 4762		E	M3	M3	M4	M4	M5	M6	M8	M10	M10	M12	M16			
Tightening torque of the fastening screw	(Nm)		2.3	2.3	4	4.5	8	15	40	70	85	120	200			
Distance between centerlines	(mm)	F	8	8	11	14	17	20	23	27	27	39	41			
Distance	(mm)	G	4	3.8	5	5	6.5	7.5	9.5	11	11	13	17			
Moment of inertia (10 ⁻³ kgm ²)		J _{ges.}	0.002	20	0.007	0.016	0.065	0.12	0.3	0.75	1.8	0.8	7.5	3.1	11.7	4.9
Approximate weight	(kg)		0.02	0.023	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	0.994	7	9	23	31	72	80	141	157	290			
Axial	± (mm)	Max. values	0.5	1	1	1	1	1	1.5	2	2	2	2.5			
Lateral	± (mm)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2			
Angular	± (degree)		1	2	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	2,940	1,450			