

BKC

Compact design with clamping hub

15 – 500 Nm

Features

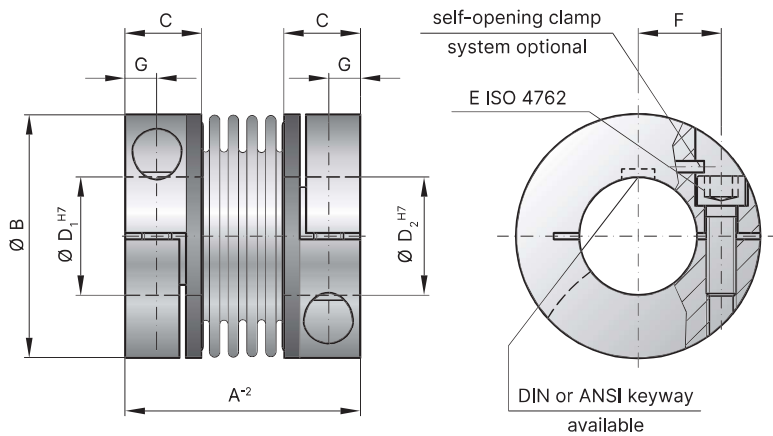
- For space restricted installations
- Light weight and low moment of inertia
- Easy to mount

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 BKC

Size			15	30	60	150	300	500
Rated torque	(Nm)	T_{KN}	15	30	60	150	300	500
Overall length	(mm)	A^{-2}	48	58	67	78	94	100
Outside diameter	(mm)	B	49	56	66	82	110	123
Fit length	(mm)	C	16.5	21	23	27.5	34	34
Inside diameter possible from $\varnothing$ to $\varnothing$ H7	(mm)	D_1/D_2	8-28	12-32	14-35	19-42	24-60	32-75
Fastening screw ISO 4762			M5	M6	M8	M10	M12	M12
Tightening torque of the fastening screw	(Nm)	E	8	15	40	75	120	125
Distance between centerlines	(mm)	F	17.5	20	23	27	39	45
Distance	(mm)	G	6.5	7.5	9.5	11	13	13
Moment of inertia	(10^{-3} kgm^2)	$J_{ges.}$	0.05	0.1	0.26	0.65	6.3	9
Hub material			AL	AL	AL	AL	steel	steel
Approximate weight	(kg)		0.13	0.21	0.37	0.72	3.26	3.52
Torsional stiffness	(10^3 Nm/rad)	C_T	23	31	72	141	157	290
Axial	$\pm$ (mm)	Max. values	1	1	1.5	2	2	2.5
Lateral	$\pm$ (mm)		0.2	0.2	0.2	0.2	0.2	0.2
Angular	$\pm$ (degree)		1	1	1	1	1	1
Axial spring stiffness	(N/mm)	C_a	30	50	67	77	112	72
Lateral spring stiffness	(N/mm)	C_r	315	366	679	960	2,940	2,200
Speed max. with balancing	(min ⁻¹)		80,000	70,000	60,000	50,000	40,000	30,000