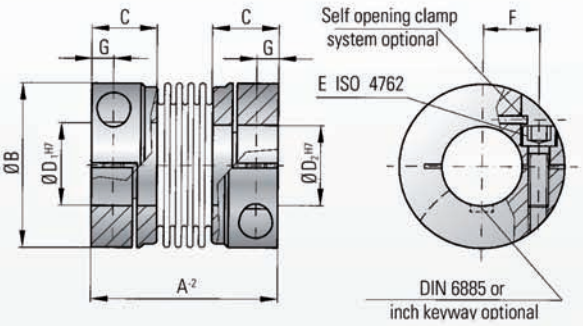
Coupling
Type BKL

optional stainless steel

MODEL **BKL**



Properties:
- easy to mount
- suited for space restricted installations
- low moment of inertia
- economically priced

Material: Bellows made of highly flexible high-grade stainless steel

Hub material see technical specifications table

Design: With a single radial clamping screw per hub ISO 4762.

Self opening clamp system optional: Loosening the clamping screw applies force to the pin, which will force the clamp into the open position for easy mounting and dismounting.

Temperature range: -30 to +100° C (3,6 F to 237 F)

Backlash: Absolutely backlash-free due to frictional clamped connection.

Service life: These couplings have an infinite life and are maintenance-free if the technical specifications are not exceeded.

Tolerance: On the hub/shaft connection 0.01 to 0.05 mm.

Non standard: Custom designs with varied tolerances, keyways, non-standard material and bellows are available upon request.

Ordering example

BKL / 80 / 26 / 22 / XX

- Model
- Series/Nm
- Ø D1 H7
- Ø D2 H7
- non standard

Model BKL			Series									
			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	30	40	44	58	68	79	92	92	109	114
Outer 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
Inner diameter possible from Ø to Ø H7	(mm)	D½	4-13	6-16	6-24	8-28	12-32	14-35	16-42	19-42	24-60	35-62
ISO 4762 fastening screw		E	M3	M4	M4	M5	M6	M8	M10	M10	M12	M16
Tightening torque of the fastening screw	(Nm)		2.3	4	4.5	8	15	40	70	85	120	200
Distance between centers	(mm)	F	8	11	14	17	20	23	27	27	39	41
	(mm)	G	4	5	5	6.5	7.5	9.5	11	11	13	17
Moment of inertia	(10^{-3} kgm²)	J_{ges}	0.002	0.01	0.02	0.05	0.09	0.18	0.54	1.8 | 0.65	7.5 | 2.68	9.0 | 4.85
Hub material (standard) (steel on request)			AL	AL	AL	AL	AL	AL	AL	Steel optional AL	Steel optional AL	Steel optional AL
Approx. weight	(kg)		0.02	0.05	0.08	0.13	0.3	0.4	0.7	1.6 | 0.8	3.8 | 1.7	4.8 | 2.2
Torsional stiffness	(10^3 Nm/rad)	C_t	1.5	7	9	23	31	72	80	141	157	290
axial	(mm)	Max. values	0.5	1	1	1	1	1.5	2	2	2	2.5
lateral	(mm)		0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.20
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

max. angular misalignment 1 degree (1 Nm = 8.85 in lbs)

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