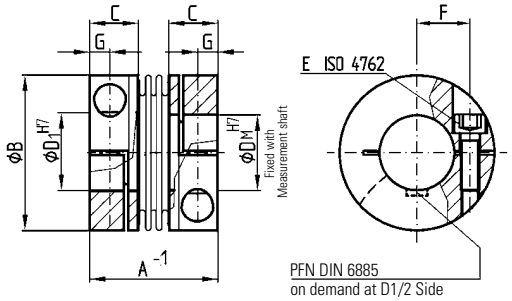
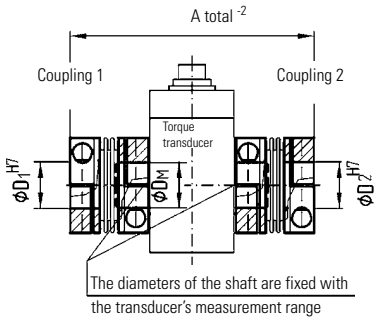
MODEL **BKE**





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

Material: Bellows are made of highly flexible high-grade stainless steel, hubs see table

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

Self opening clamp system optional: Loosening the clamp screw will force the clamp into open position

Temperature range: -30 to +100° C

Backlash: Absolutely backlash-free due to frictional clamped connection

Service life: These couplings have an infinite life and are maintenance-free if technical limits 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

Model BKE			Series 20	Series 200	Series 1000
Rated torque	(Nm)	T_{KN}	20	200	1000
Overall length	(mm)	A^{-1}	40	59	89
Overall length for installation	(mm)	A_{total}^{-2}	130	172	246
Outer diameter	(mm)	B	49	66	110
Passungslänge	(mm)	C	16,5	23	34
Inner diameter possible from Ø to Ø H7	(mm)	$D_{1/2}$	15-28	24-35	40-60
Inner diameter for meas. shaft Ø H7		D_M	15	24	40
Screws ISO 4762		E	M5	M8	M12
Tightening torque of the fastening screw	(Nm)		8	40	130
Distance between centers	(mm)	F	17	23	39
Distance	(mm)	G	6	9,5	13
Mass moment of inertia	(10^{-3} kgm²)	J_{total}	0,05	0,18	7,2
Hub material			AL	AL	Stahl
Approx. weight	(kg)		0,13	0,4	3,5
Torsional stiffness	(10^3 Nm/rad)	C_T	41,9	138	570
Axial total	(mm)	max. Values	1	1,5	2
Lateral total	(mm)		0,15	0,15	0,15
Angular total	(°)		1	1	1
Axiale spring stiffness	(N/mm)	C_a	55,8	153	148
Laterale spring stiffness	(N/mm)	C_r	3.710	11.000	9.010
Max. speed	(1/min)	n	22.000	16.000	9.000

Ordering example

BKE / 20 / 15 / 22 / XX

- Model
- Series / Nm
- Ø DM H7 (fixed with the measurement shaft)
- Ø $D_{1/2}$ H7
- Non-standard

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