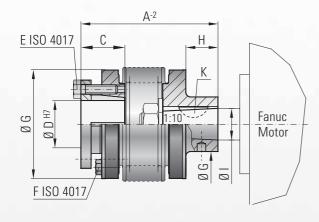
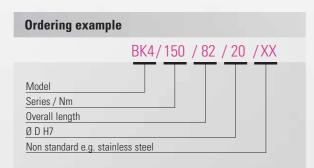


MODEL BK4

TECHNICAL SPECIFICATIONS





Model BK 4			Series							
			15		30		60		150	
Rated torque (Nm) T _{KN}	15		30		60		150		
Overall length (mm) A	47	54	68	76	72	82	82	94	
Outer diameter of bellows (mm) B	49		55		66		81		
Fit length (mm) C	19		22		27		32		
Inner diameter from Ø to Ø H7 (mm	D	10-22		12-23		12-29		15-37		
Fastening screws 6x		M4		M5		M5		M6		
Tightening torque of the fastening screws (Nm	E	4		6		8		12		
DIN 933 draw-off screw 3x	F	M4		M4		M5		M5		
Shaft diameter (mm) G	20		27		30		30		
Shaft length (mm) H	8.5		22		18		20		
Moment of inertia (10 ⁻³ kgm ²	J _{total}	0.10	0.12	0.22	0.27	0.58	0.61	1.1	1.4	
Approx. weight (kg)	0.25		0.4		0.8		1.35		
Torsional stiffness (10 3 Nm/rad) C _T	20	15	39	28	76	55	175	110	
axial - (mm	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	2	1	2	1.5	2	2	3	
lateral (mm	values	0.15	0.2	0.2	0.25	0.2	0.25	0.2	0.25	
axial spring stiffness (N/mm) C _a	25	15	50	30	72	48	82	52	
lateral spring stiffness (N/mm) C _r	475	137	900	270	1200	420	1500	435	
cone Ø (Fanuc Motor) (mm) I	11		16		16		16		
Keyway wide (mm) K	4		5		5		5		



for Fanuc-Motors

Properties: • for conical shafts

easy mounting and dismounting

■ high degree of operating dependability

Material: Bellows made of highly flexible high-grade stainless steel, the hub material is steel.

Design: Spindle-side:

With conical sleeve and strong captive

ISO 4017 draw-off screws

Motor-side:

Conical hub 1: 10 and a keyway.

Temperature range:

-30 to +120° C (3.6 F - 270 F)

Speeds: Up to 10,000 rpm, over 10,000 rpm available

with a finely balanced version.

Service life: These couplings are maintenance-free if the

technical ratings are not exceeded.

Backlash: Absolutely backlash-free due to frictional

clamp connection.

Brief overloads: Acceptable up to 1.5 times the value specified.

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

Custom Designs: With varied tolerances, keyways, non-standard

material, and bellows are available upon request.

Technical instructions:

Before mounting the coupling, the concial sleeve (1) has to be removed. After sliding the coupling on to the motor shaft (3) the nut (4) can be put on through the bellows body (4).

To tighten the nut a special DIN 896 B key is used. The bore (5) is used for holding the coupling while tightening the nut.

