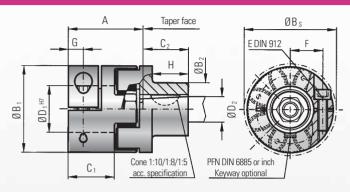
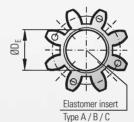


MODEL EK4

BACKLASH FREE ELASTOMER COUPLINGS





Caution: The measurement C2 / M / an Ø B2 are depending on final design of the tapper shaft.

Model EK 4			Series								
			20			60			150		
Type (Elastomer insert)			Α	В	С	А	В	С	А	В	С
Rated torque	(Nm)	T _{KN}	17	21	6	60	75	20	160	200	42
Max. torque*	(Nm)	T _{Kmax}	34	42	12	120	150	35	320	400	85
Overall length	(mm)	А	42		50		57				
Outer diameter hub	(mm)	B ₁	42		56			66.5			
Outer diameter conical hub	(mm)	B ₂	variable		variable			variable			
Outer diameter with screwhead	(mm)	Bs	44.5			57			68		
Mounting length	(mm)	C ₁	25		30		35				
Mounting length	(mm)	C ₂	variable		variable		variable				
Inner diameter range H7	(mm)	D ₁	8-25		12-32		19-36				
Possible conical diameter	(mm)	D_2	Acc. to customer requirement								
Inner diameter max (elastomer)	(mm)	D _E	19.2		26.2		29.2				
Mounting screw (ISO 4762/12.9)			M5			M6		M8			
Tightening torque of the mounting screw	(Nm)	E ₁	8		15		35				
Distance between centers	(mm)	F	15.5		21		24				
Distance	(mm)	G	8.5		10		12				
Length	(mm)	Н	variable variable va		variable						

Information about static and dynamic torsional stiffness as well as max. possible misalignment see page ${\bf 5}$

1 Nm = 8.85 in lbs

^{**} Maximum transferable torque of the clamping hub depends on the bore diameters (bore/shaft clearance 0.01 mm to 0.05 mm shaft oiled)

Series	Ø 8	Ø 16	Ø 19	Ø 25	Ø 30	Ø 32	Ø 35
20	20	35	45	60			
60		50	80	100	110	120	
150			120	160	180	200	220

Higher torque through additional key possible

for conical shaft ends

Properties: short compact design easy assembly high concentricity

backlash-freeelectrically insulating

Material: Clamping hubs: high strength aluminum

Conical hub: steel

Elastomer insert: precision molded, wear resistant,

and thermally stable polymer

Design: Two coupling hubs are concentrically machined

with concave driving jaws

One side with clamping hub and a radial screw ISO 4762 One side with a hub conically bored with keyway

according to customer equirement

Speed: Over 10,000 rpm a finely balanced version is

available

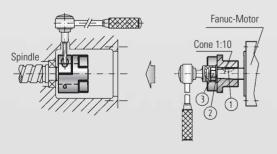
Tolerance: On the hub/shaft connection 0.01 to 0.05 mm

Ordering example EK4 / 20 / A / 24 / 1:10 Ø11 / XX Model Series Type Elastomer insert Bore Ø D1 H7 Cone/ Ø D2 Non standard e.g. finely balanced

All data is subject to change without notice.

Installation instruction

Mounting of the clamping hub: Slide the coupling on the shaft ends, at the right axial position thighten the mounting screw to the specified tightening torque as shown in the table (column E1).



Mounting of the conical hub: After inserting the key into the keyway of the motor shaft slide the coupling hub on the shaft. Check if the conical hub has a proper seat on the shaft. Now the nut (3) can be tightened on the motor shaft using the exact tightening torque specified by the motor manufacturer.