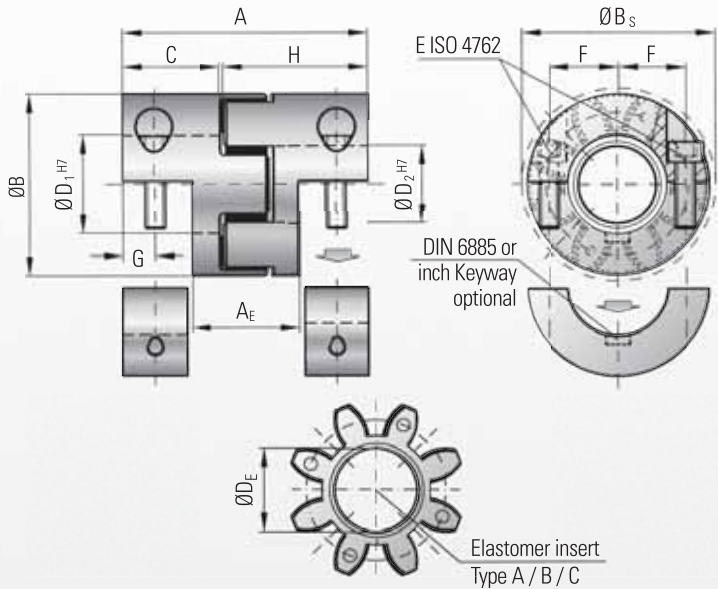




MODEL EKH

BACKLASH FREE ELASTOMER COUPLINGS



with split clamping hubs

Properties:

- radial mounting possible
- high concentricity
- damps vibrations
- electrical insulating
- easy mounting
- backlash-free

Material:

Clamping hub: up to series 450 high strength aluminum, from series 800 and up steel
Elastomer insert: precision molded, wear resistant, and thermally stable polymer

Design:

Two split coupling hubs are concentrically machined with concave driving jaws

*Speeds:

Over 10,000 rpm a finely balanced version is available

Tolerance:

On the hub/shaft connection 0.01 to 0.05 mm

Model EKH	Series																	
	20			60			150			300			450			800		
Type (Elastomer insert)	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Rated torque (Nm) T_{KN}	17	21	6	60	75	20	160	200	42	325	405	84	530	660	95	950	1100	240
Max. torque** (Nm) T_{Kmax}	34	42	12	120	150	35	320	400	85	650	810	170	1060	1350	190	1900	2150	400
Overall length (mm) A	66			78			90			114			126			162		
Insertion length (mm) A_E	28			33			37			49			51			65		
Outer diameter (mm) B	42			56			66.5			82			102			136.5		
Outer diameter with screwhead (mm) B_S	44.5			57			68			85			105			139		
Mounting length (mm) C	25			30			35			45			50			65		
Inner diameter range H7 (mm) $D_{1/2}$	8 - 25			12 - 32			19 - 36			20 - 45			28 - 60			35 - 80		
Inner diameter max. (elastomer) (mm) D_E	19.2			26.2			29.2			36.2			46.2			60.5		
Mounting screw (ISO 4762/12.9)	M5			M6			M8			M10			M12			M16		
Tightening torque of the mounting screw (Nm) E	8			15			35			70			120			290		
Distance between centers (mm) F	15.5			21			24			29			38			50.5		
Distance (mm) G	8.5			10			12			15			17.5			23		
Hub length (mm) H	39			46			52.5			66			73			93.5		
Moment of inertia per Hub (10^{-3} kgm^2) J_1/J_2	0.02			0.09			0.2			0.6			1.5			9.5		
Approx. weight (kg)	0.15			0.35			0.6			1.1			1.7			10		
Speed* (rpm)	19000			14000			11500			9500			8000			4000		

Information about static and dynamic torsional stiffness as well as max. possible misalignment see page 5

1 Nm = 8.85 in lbs

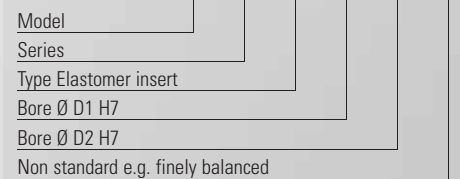
** Maximum transferable torque of the clamping hub depends on the bore diameters

Serie	Ø 8	Ø 16	Ø 19	Ø 25	Ø 30	Ø 32	Ø 35	Ø 45	Ø 50	Ø 55	Ø 60	Ø 65	Ø 70	Ø 75	Ø 80
20	30	40	50	65											
60		65	120	150	180	200									
150			180	240	270	300	330								
300			300	340	450	520	570	630							
450				630	720	770	900	1120	1180	1350					
800							1050	1125	1200	1300	1400	1450	1500	1550	1600

Higher torque through additional key possible.

Ordering example

EKH / 60 / A / 19.05 / 24 / XX



All data is subject to change without notice.