

## WITH FULLY SPLIT CLAMPING HUB 4 - 2,150 Nm



### ABOUT

#### FEATURES

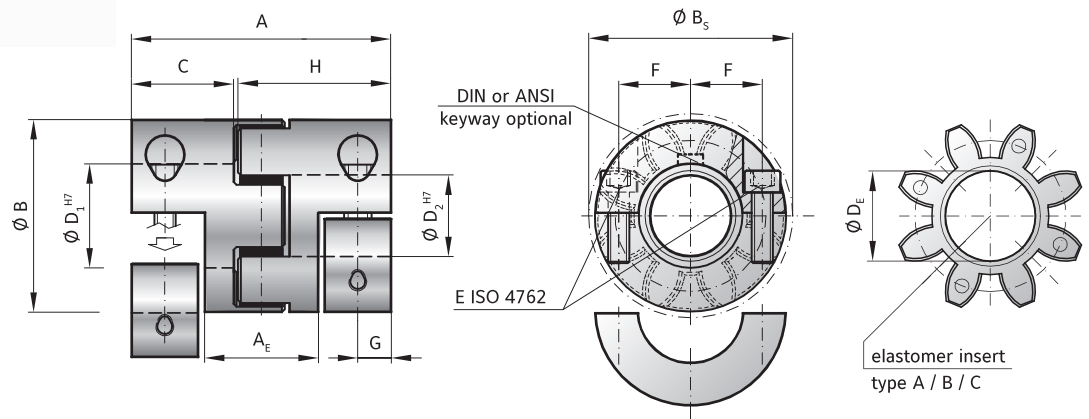
- ▶ lateral mounting
- ▶ easy installation and removal
- ▶ allows for pre-alignment of shafts

#### MATERIAL

- ▶ **Hubs:** up to size 450 high strength aluminum; size 800 steel
- ▶ **Elastomer:** wear resistant thermally stable TPU

#### DESIGN

Two concentrically machined, fully split hubs with curved jaws and clamping screws. Elastomer is press fit for zero backlash; standard versions are electrically isolating.



### MODEL EKH

SIZE	10			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	A	B	C
Rated torque (Nm) $T_{KN}$	12.6	16	4	17	21	6	60	75	20	160	200	42	325	405	84	530	660	95	950	1100	240
Max. torque* (Nm) $T_{Kmax}$	25	32	6	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		
Length of center section (mm)	$A_e$			28.8			34			38			50			52			65		
Outside diameter (mm)	B			42			56			66.5			82			102			136.5		
Outside diameter with screw head (mm)	$B_s$			44.5			57			68			85			105			139		
Mounting length (mm)	C			25			30			35			45			50			65		
Inside diameter range H7 (mm)	$D_{1/2}$			8 - 25			12 - 32			19 - 36			20 - 45			28 - 60			35 - 80		
Inside diameter of elastomer (mm)	$D_e$			19.2			26.2			29.2			36.2			46.2			60.5		
Clamping screw (ISO 4762)	E			4 x M5			4 x M6			4 x M8			4 x M10			4 x M12			4 x M16		
Tightening torque of the clamping screw (Nm)	E			8			15			35			70			120			290		
Distance between centers (mm)	F			15.5			21			24			29			38			50.5		
Distance (mm)	$G/G_1$			8.5			10			12			15			17.5			23		
Hub length (mm)	$H/H_1$			39			46			52.5			66			73			93.5		
Moment of inertia per hub ( $10^{-3} \text{ kgm}^2$ )	$J_1/J_2$			0.02			0.06			0.1			0.4			1			9.5		
Approx. weight (kg)				0.15			0.35			0.6			1.1			1.7			10		
Speed standard ( $\text{min}^{-1}$ )				12,500			11,000			10,000			9,000			8,000			4,000		
Speed balanced ( $10^3 \text{ min}^{-1}$ )	53	63	40	45	60	35	31	31	25	22	26	18	22	26	16	16	17	12	13	13	8

For information on shaft misalignment, torsional stiffness, and other details about the elastomer inserts see pages 66 + 67.

\* Maximum transmittable torque of the clamping hub depends on the bore diameter

Size	Ø 6	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	Ø 90	Ø 120	Ø 140
10	6	12	32																
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			
2500								1400	1800	2000	2250	2500	2700	2900	3100	3300	3700		
4500								2400	2600	2900	3100	3400	3600	3900	4100	4700	6200		
9500									5000	5500	6000	6500	7000	7500	8000	9000	12000	14000	

Higher torque possible with keyways