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Datasheet

Elastomer coupling

with clamping hubs

EK2

6 Nm up to 2150 Nm | Easy mounting



Features

- Easy mounting
- Highly concentric assembly
- Vibration damping

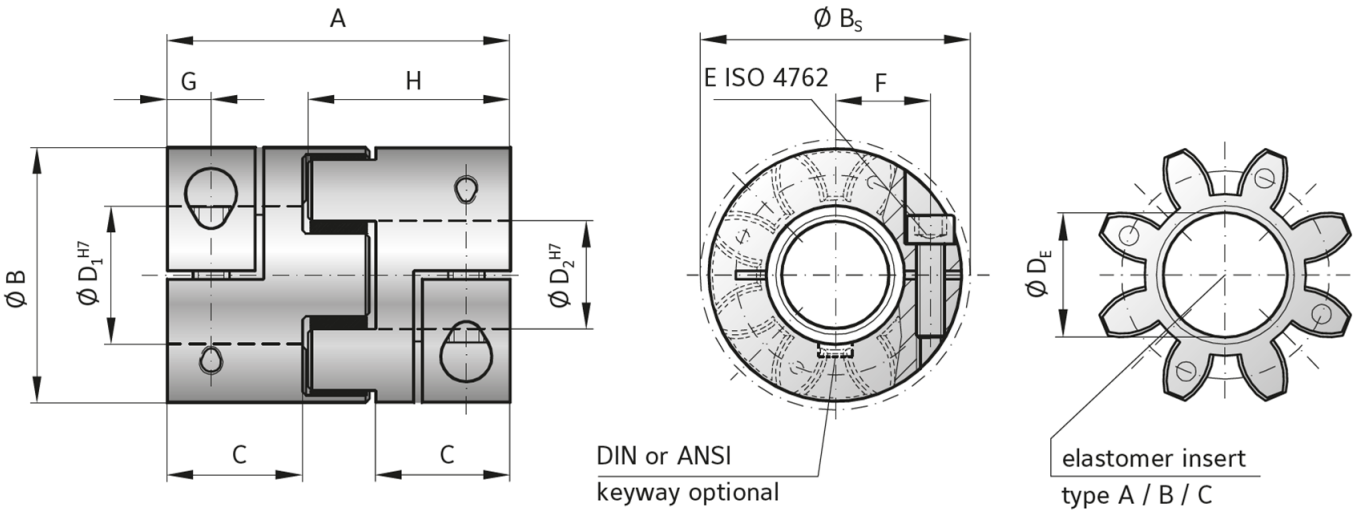
Material

- **Hubs:** Up to size 600 high strength aluminium, size 800 steel
- **Elastomer:** wear resistant thermally stable TPU

Design

Two concentrically maschined hubs with curved jaws and clamping screws.

Product dimensions EK2



Size			20			60			150			300			400			450			600			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	A	B	C
Rated torque	[Nm]	T_{KN}	17	21	6	60	75	20	160	200	42	325	405	84	410	520	90	530	660	95	700	840	150	950	1100	240
Max. Torque	[Nm]	T_{Kmax}	34	42	12	120	150	35	320	400	85	650	810	170	820	1040	180	1060	1350	190	1400	1680	300	1900	2150	400
Overall length	[mm]	A	66			78			90			114			118			126			147			162		
Outer-Ø	[mm]	B	42			56			66.5			82			95			102			120			136.5		
Outer-Ø with screw head	[mm]	B_S	44.5			57			68			85			98			105			122			139		
Mounting length	[mm]	C	25			30			35			45			46			50			57			65		
Bore-Ø	[mm]	D_1/D_2	8 - 25			12 - 32			19 - 36			20 - 45			25 - 50			28 - 60			30 - 70			35 - 80		
Max. inner-Ø (Elastomer insert)	[mm]	D_E	19.2			26.2			29.2			36.2			43			46..2			55			60.5		
Screws ISO 4762		E	M5			M6			M8			M10			M12			M12			M12			M16		
Tightening torque	[Nm]		8			15			35			70			120			120			120			290		
Center distance	[mm]	F	15.5			21			24			29			32			38			47			50.5		
Distance	[mm]	G	8.5			10			12			15			15			17.5			20			23		
Hub length	[mm]	H	39			46			52.5			66			69			73			83			93.5		
Moment of inertia per hub	10^{-3} [kgm²]	J_1/J_2	0.02			0.08			0.1			0.5			1			1.4			3.2			17		
Weight (approx.)	[kg]		0.2			0.35			0.6			1.1			1.5			2			3.2			12.7		
Rpm Standard	10^3 [min^{-1}]		12.5			11			10			9			8.5			8			6.8			4		
Rpm balanced	10^3 [min^{-1}]		45	60	35	31	31	25	22	26	18	22	26	16	17	18	13	16	17	12	14	14	10	13	13	8

Order code

Example:	EK2	/	60	/	A	/	19	/	24pfn
	Model		Size		Elastomer insert type		Bore D_1 [mm] (for keyway attach pfn)		Bore D_2 [mm] (for keyway attach pfn)

D_1 is generally intended as the bore for the shaft ends of the sensor.