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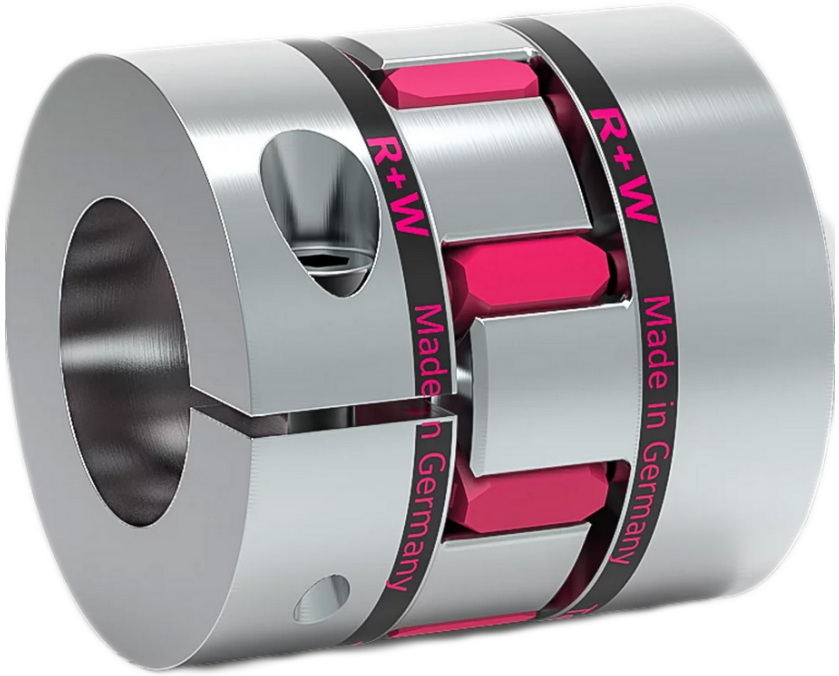
Datasheet

Elastomer coupling

with clamping hubs

EKL

0,5 Nm up to 2150 Nm | Compact design



Features

- Short overall length
- Easy mounting
- Vibration damping

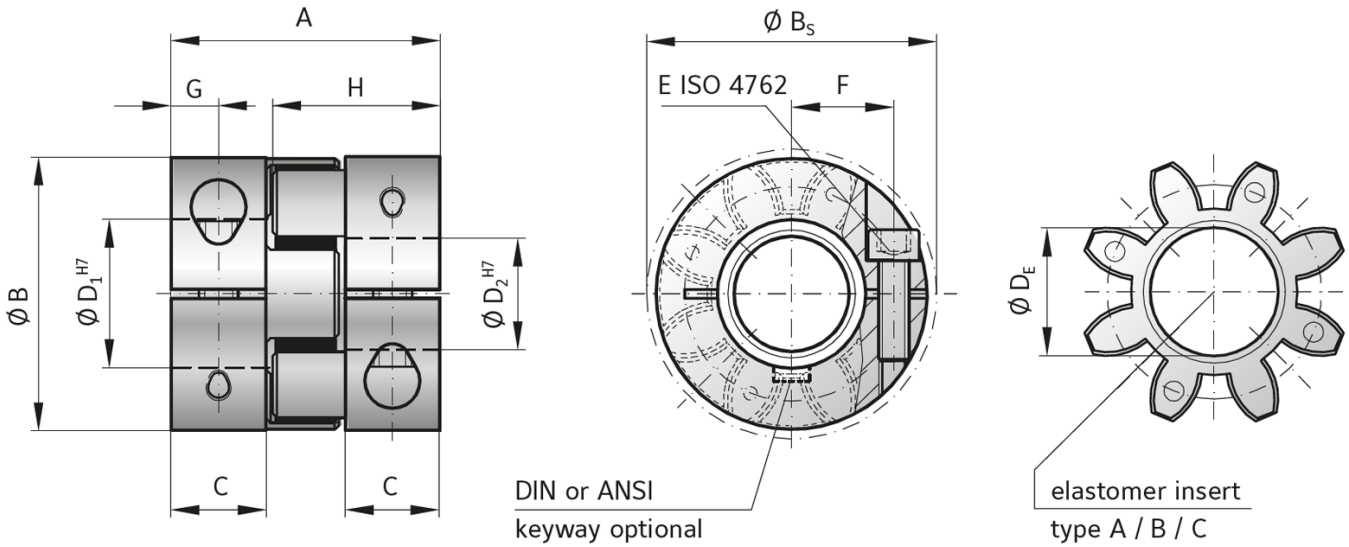
Material

- **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 EKL



Size			2			5			10			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	A	B	C	A	B	C	A	B	C
Rated torque	[Nm]	T_{KN}	2	2.4	0.5	9	12	2	12.5	16	4	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}	4	4.8	1	18	24	4	25	32	6	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	20			26			32			50			58			62			86			90			94			111			123		
Outer-Ø	[mm]	B	16			25			32			42			56			66.5			82			95			102			120			136.5		
Outer-Ø with screw head	[mm]	B_S	17			25			32			44.5			57			68			85			98			105			122			139		
Mounting length	[mm]	C	6			8			10.3			17			20			21			31			32			34			40			46		
Bore-Ø	[mm]	D_1/D_2	3 - 8			4 - 12.7			4 - 16			8 - 25			12 - 32			19 - 36			20 - 45			25 - 50			28 - 60			30 - 70			35 - 80		
Max. inner-Ø (Elastomer insert)	[mm]	D_E	6.2			10.2			14.2			19.2			26.2			29.2			36.2			43			46..2			55			60.5		
Screws ISO 4762		E	M2			M3			M4			M5			M6			M8			M10			M12			M12			M12			M16		
Tightening torque	[Nm]		0.6			2			4			8			15			35			70			120			120			120			290		
Center distance	[mm]	F	5.5			8			10.5			15.5			21			24			29			33.5			38			47			50.5		
Distance	[mm]	G	3			4			5			8.5			10			11			15			16			17.5			20			23		
Hub length	[mm]	H	12			16.7			20.7			31			36			39			52			55			57			68			74		
Moment of inertia per hub	10^{-3} [kgm²]	J_1 / J_2	0.0003			0.002			0.003			0.01			0.04			0.08			0.5			0.8			1.1			2.66			14		
Weight (approx.)	[kg]		0.008			0.02			0.05			0.12			0.3			0.5			0.9			1.1			1.5			2.5			9		
Rpm Standard	10^3 [min⁻¹]		15			15			13			12.5			11			10			9			8.5			8			6.8			4		
Rpm balanced	10^3 [min⁻¹]		60	67	45	57	65	43	53	63	40	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:	EKL	/	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.