

EKZ

Intermediate spacer

0.5 – 2,150 Nm



Features

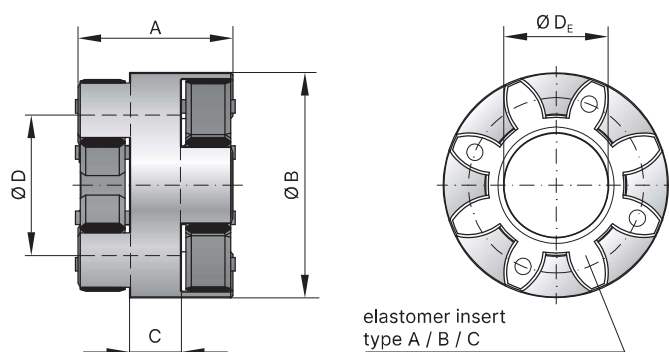
- High lateral misalignment
- Easy to mount
- Combine with any two hub designs

Material

- **Hubs:** high strength aluminum
- **Elastomer:** wear resistant thermally stable TPU

Design

A concentrically machined spacer with curved jaws. 2x elastomer segment press fit for zero backlash; standard versions are electrically isolating.



Model EKZ

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	1,100	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	1,040	180	1,060	1,350	190	1,400	1,680	300	1,900	2,150	400
Overall length (mm)	A	20			26			30			39			48			53			62			74			86			86			81		
Outside diameter (mm)	B	16			25			32			42			56			66.5			82			94			102			119			136.5		
Hub length (mm)	C	9			9			9			10			16			18			20			28			40			30			25		
Inside diameter (mm)	D	9			15			18			25			32			38			45			50			60			65			80		
Inside diameter of elastomer (mm)	D_E	6.2			10.2			14.2			19.2			26.2			29.2			36.2			43			46.2			55			60.5		
Moment of inertia (10^{-3} kgm^2)	J_1/J_2	0.0001			0.0005			0.002			0.008			0.03			0.05			0.1			0.47			0.6			1.39			1.1		
Approx, weight (kg)		0.007			0.02			0.04			0.09			0.21			0.33			0.58			0.675			1.38			1.24			1.24		
Speed standard (min^{-1})		15,000			15,000			13,000			12,500			11,000			10,000			9,000			8,500			8,000			6,800			4,000		

For information on shaft misalignment, torsional stiffness, and other details about the elastomer inserts see pages 64.