

STE

WITH SIMPLE KEYWAY MOUNTING

200 - 14,000 Nm



NEW: ATEX

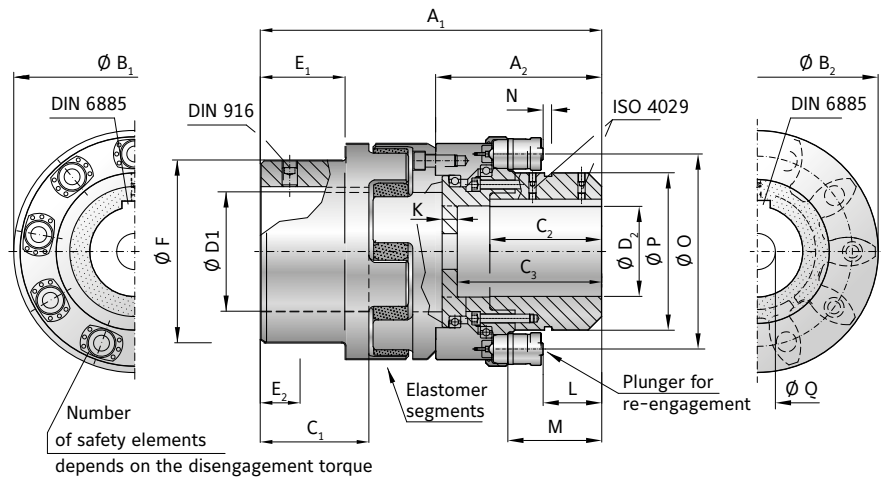
PROPERTIES

MATERIAL

- ▶ **Clutch segment:** hardened steel (nitrocarburized surface)
- ▶ **Elastomer segment:** TPU in various Shore hardnesses
- ▶ **Jaw coupling segments:** GGG40

DESIGN

- ▶ Drive side: coupling hub with simple keyway mounting
- ▶ Driven side: coupling hub with simple keyway mounting and elastomer segments
- ▶ Safety elements: evenly spaced around the circumference; externally adjustable



MODEL STE | SIZE 2 - 10

SIZE		2			4			5			10		
Adjustment range available from to (KNm)		0.2-0.5 3×ST11	0.5-1.0 6×ST11	1.0-1.5 6×ST11	0.6-0.9 3×ST11	1.1-1.7 6×ST11	1.6-2.6 9×ST11	0.7-2 3×ST16	1.2-4 6×ST16	3.2-5 6×ST16	2-5 3×ST16	4-10 6×ST16	6-14 9×ST16
Elastomer coupling size		2500			2500			4500			9500		
Elastomer insert type		A / B / D			A / B / D			A / B / D			A / B / D		
Overall length ±2 (mm)	A ₁	312			360			373			460		
Length of torque limiting portion (mm)	A ₂	170			198			190			230		
Flange outside diameter (ST portion) (mm)	B ₁	198			211			220			270		
Flange outside diameter (elastomer portion) (mm)	B ₂	160			160			225			290		
Fit length/keyway length D1 (mm)	C ₁	88			88			113			142		
Fit length/keyway length D2 (mm)	C ₂	85			120			100			122		
Bore depth (torque limiting portion) (mm)	C ₃	95			120			111			122		
Bore diameter (elastomer portion) Ø - Ø F7 (mm)	D ₁	30-95			30-95			40-130			50-170		
Bore diameter (torque limiting portion) Ø - Ø F7 (mm)	D ₂	30-80			40-100			40-90			40-110		
Length (mm)	E ₁	69			69			89			110		
Length (mm)	E ₂	36			36			47			57		
Hub diameter (mm)	F	154			154			190			240		
Wall thickness (mm)	K	16			20			24			32		
Distance (mm)	L	50			81.5			56			74		
Distance (mm)	M	81			112.5			97			115		
Actuation path (mm)	N	3.5			3.5			4.5			4.5		
Mounting diameter - elements (mm)	O	154			174			171			220		
Hub outside diameter (mm)	P	112			138			122			170		
Bore for fastening screw (mm)	Q	max Ø17			max Ø22			max Ø25			max Ø26		
Moment of inertia (approx.) D max. + max. sgmnt (10 ⁻³ kgm ²)		145			172			337			1145		
Speed max. (rpm)		8500			6800			6300			5000		
Approx. weight at D max. + max. sgmnt (kg)		35			39			47			110		
Axial (mm)		± 3			± 3			± 4			± 5		
Lateral Elastomer insert type A / B (mm)		0.5 / 0.3			0.5 / 0.3			0.5 / 0.3			0.6 / 0.4		
Angular Elastomer insert type A / B (degree)		1.5 / 1.0			1.5 / 1.0			1.5 / 1.0			1.5 / 1.0		
Dynamic torsional stiffness at T _{KN} (Elastomer insert type A / B) (10 ³ Nm/rad)		175 / 216			175 / 216			337 / 743			1180 / 1340		

For technical information about the elastomer insert segments see guide book page 111.