STE

WITH SIMPLE KEYWAY MOUNTING

200 – 14,000 Nm

NEW: ATEX

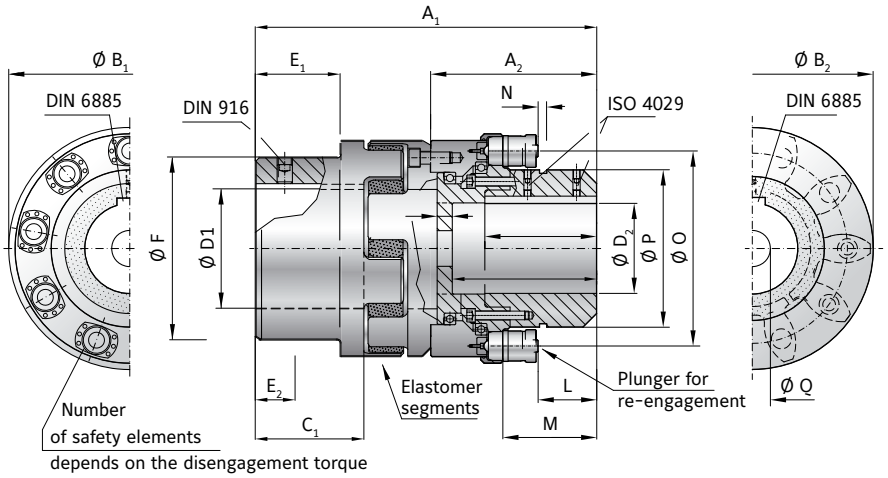
PROPERTIES

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			5			10		
Adjustment range available from to	(KNm)		0.2-0.5	0.5-1.0	1.0 -1.5	0.7-2	1.2-4	3.2-5	2-5	4-10	6-14
			3×ST10	6×ST10	6×ST10	3×ST15	6×ST15	6×ST15	3×ST15	6×ST15	9×ST15
Elastomer coupling size			2500			4500			9500		
Elastomer insert type			A / B			A / B			A / B		
Overall length ±2	(mm)	A_1	282			333			414		
Length of torque limiting portion	(mm)	A_2	120			150			183		
Flange outside diameter (ST portion)	(mm)	B_1	198			220			270		
Flange outside diameter (elastomer portion)	(mm)	B_2	160			225			290		
Fit length/keyway length D1		C_1	88			113			142.5		
Fit length/keyway length D2	(mm)	C_2	100			121			120		
Bore depth (torque limiting portion)	(mm)	C_3	100			124			158		
Bore diameter (elastomer portion) Ø – Ø F7	(mm)	D_1	30-95			40-130			50-170		
Bore diameter (torque limiting portion) Ø – Ø F7	(mm)	D_2	30-75			40-90			40-110		
Length	(mm)	E_1	69			70			70		
Length	(mm)	E_2	37			47			22		
Hub diameter	(mm)	F	154			190			160		
Bore for fastening screw	(mm)	Q	max ø75			max ø90			max ø110		
Distance	(mm)	L	13.5			16.5			45		
Distance	(mm)	M	51.5			66.5			95		
Actuation path	(mm)	N	3.5			4.5			4.5		
Mounting diameter - elements	(mm)	O	154			171			220		
Hub outside diameter	(mm)	P	104			120			170		
Moment of inertia (approx.) D max. + max. sgmnt	(10^{-3}kgm^2)		145			337			1040		
Speed max.	(rpm)		6000			3000			2400		
Approx. weight at D max. + max. sgmnt	(kg)		31			47			95		
Axial	(mm)		± 3			± 4			1.5		
Lateral Elastomer insert type A / B	(mm)		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		
Dynamic torsional stiffness at T_{KN} (Elastomer insert type A / B)	(10^3 Nm/rad)		175 / 216			337 / 743			1180 / 1340		

For technical information about the elastomer insert segments see page 97.