

**STR**

# WITH SIMPLE KEYWAY MOUNTING, ROBUST

200 - 45,000 Nm



**NEW**

## PROPERTIES

### MATERIAL

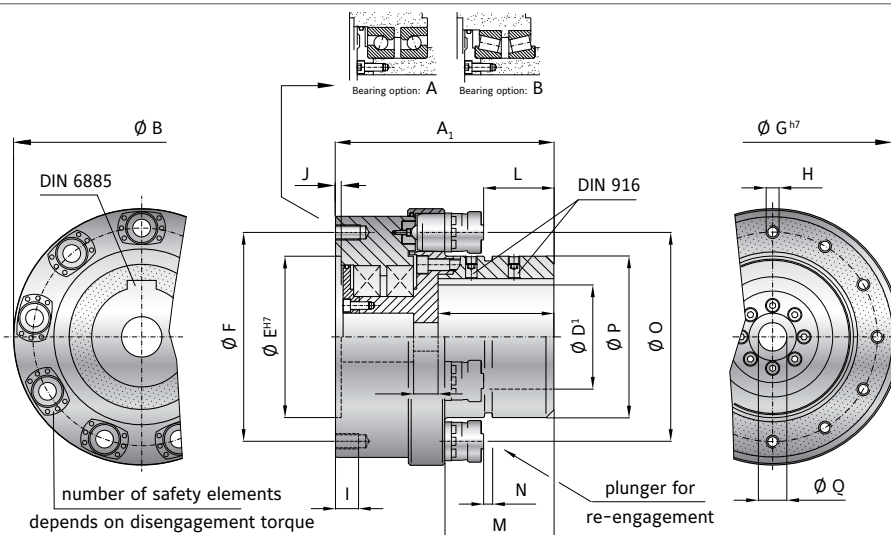
Hardened steel (nitrocarburized surface)

### DESIGN

► Drive side: coupling hub with keyway connection (spline profile on request)

► Driven side: Output flange with attachment threads and reinforced bearings.

► Safety elements: evenly spaced around the circumference; externally adjustable



## MODEL STR | SIZE 2 - 40

SIZE	2			5			10			25			40			
Adjustment range available from - to (KNm)	A <sub>1</sub>	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	6-12	9-18	15-25	12-21	22-32	32-45
		3×ST11	6×ST11	6×ST11	3×ST16	6×ST16	6×ST16	3×ST16	6×ST16	9×ST16	6×ST16	9×ST16	12×ST16	6×ST31	6×ST31	9×ST31
Overall length (mm)	A <sub>1</sub>	170			190			230			264			330		
Bore depth (mm)	B	198			220			270			318			428		
Flange outside diameter (mm)	C	95			112			122			150			191		
Fit length (mm)	D	30-80			40-90			40-110			60-140			90-170		
Bore diameter possible Ø to Ø F7 (mm)	E	132			145			170			210			270		
Flange centering diameter H7 (mm)	F	162			170			220			260			330		
Bolt circle diameter ±0.3 (mm)	G	192			209			259			298			380		
Outside diameter h7 (mm)	H	12xM10			12xM12			12xM16			12xM16			12xM20		
Fastening threads	I	18			22			28			28			36		
Thread depth (mm)	J	3.5			3.5			6			8			8		
Fit length (mm)	K	16			21			25.0			28.0			48.0		
Wall thickness (mm)	L	50.0			56.0			74			97			111		
Distance (mm)	M	81.0			96.5			115			138			171		
Distance (mm)	N	3.5			4.5			4.5			4.5			7.5		
Actuation path (mm)	O	154			171			220			270			350		
Mounting diameter - elements (mm)	P	112			122			170			218			265		
Hub outside diameter (mm)	Q	18			18			26			32			38		
Bore for fastening screw (mm)		77			168			484			1028			4107		
Moment of inertia (approx.) D max. + max. sgmnt (10 <sup>-3</sup> kgm <sup>2</sup> )		8500			6300			5000			4000			3600		
Allowable max. radial force standard* (kN)		10			20			40			60			80		
Approx. weight at D max. + max. sgmnt (kg)		21			28			55			86			196		

\* larger radial loads possible with special bearings

# STR

## WITH SIMPLE KEYWAY MOUNTING, ROBUST 11,000 - 250,000 Nm



NEW

### PROPERTIES

#### MATERIAL

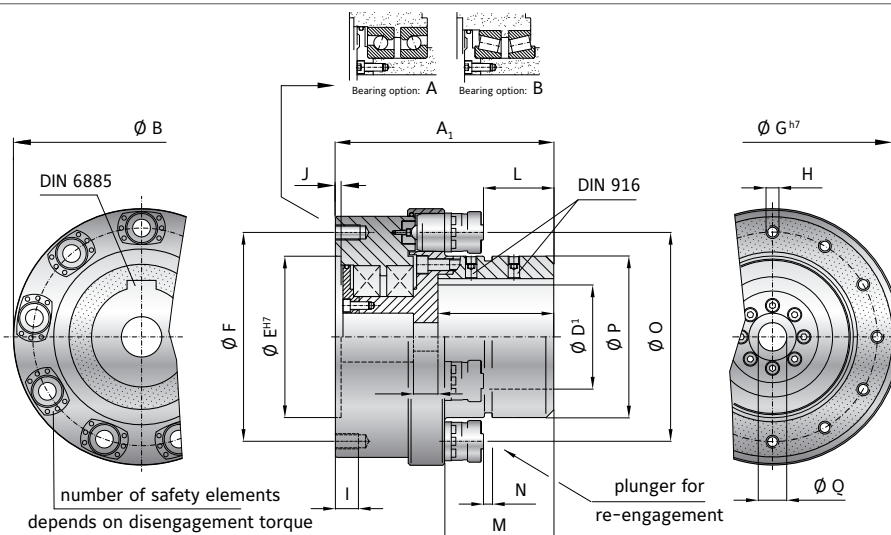
Hardened steel (nitrocarburized surface)

#### DESIGN

► Drive side: coupling hub with keyway connection (spline profile on request)

► Driven side: Output flange with attachment threads and reinforced bearings.

► Safety elements: evenly spaced around the circumference; externally adjustable



SAFETY COUPLINGS  
ST

### MODEL STR | SIZE 60 - 250

SIZE		60			100			160			250	
Adjustment range available from - to (KNm)		11-18	22-36	30-55	24-50	45-90	80-110	25-55	50-110	80-165	100-170	160-250
		3×ST31	6×ST31	9×ST31	3×ST71	6×ST71	9×ST71	3×ST71	6×ST71	9×ST71	8×ST71	12×ST71
Overall length (mm)	A <sub>1</sub>	370			470			490			600	
Bore depth (mm)	B	459			592			648			740	
Flange outside diameter (mm)	C	212			275			282			361	
Fit length (mm)	D	80-200			100-250			130-290			200-340	
Bore diameter possible Ø to Ø F7 (mm)	E	300			390			450			508	
Flange centering diameter H7 (mm)	F	370			464			570			600	
Bolt circle diameter ±0.3 (mm)	G	418			530			618			680	
Outside diameter h7 (mm)	H	12xM20			12xM24			12xM24			12xM36	
Fastening threads	I	36			40			40			60	
Thread depth (mm)	J	8			10			10			12	
Fit length (mm)	K	49.5			67.0			67.0			78.0	
Wall thickness (mm)	L	99			179			189			273	
Distance (mm)	M	167			255			265			349	
Distance (mm)	N	7.5			10			10			10	
Actuation path (mm)	O	376			490			532			630	
Mounting diameter - elements (mm)	P	295			380			422			508	
Hub outside diameter (mm)	Q	44			44			52			52	
Bore for fastening screw (mm)		5925			20000			31830			61300	
Moment of inertia (approx.) D max. + max. sgmnt (10 <sup>-3</sup> kgm <sup>2</sup> )		3200			2200			2000			1800	
Allowable max. radial force standard* (KN)		100			130			200			240	
Approx. weight at D max. + max. sgmnt (kg)		244			502			636			978	

\* larger radial loads possible with special bearings