

STR

WITH SIMPLE KEYWAY MOUNTING, ROBUST 200 - 45,000 Nm



NEW

PROPERTIES

MATERIAL

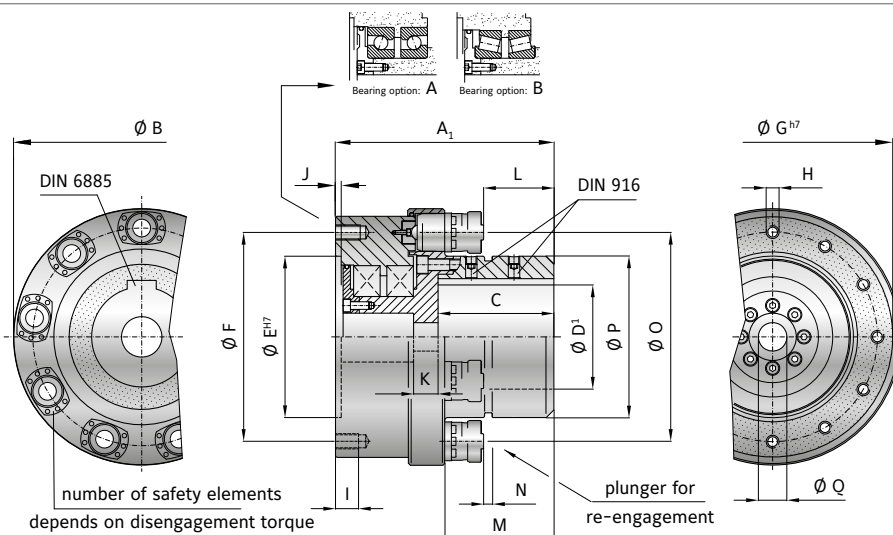
Hardened steel (nitrocarburized surface)

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				4				5			10			25			40		
Adjustment range available from - to (KNm)		0.2-0.5	0.5-1.0	1.0-1.5	1.5-3.5	0.6-0.9	1.1-1.7	1.6-2.6	2.5-5.0	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	6× ST11	3× ST11	6× ST11	9× ST11	9× 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 ₁	170				198				190			230			264			335		
Outside diameter (mm)	B	198				211				220			270			318			428		
Fit length (mm)	C	95				120				111			122			150			191		
Bore diameter possible Ø to Ø F7(mm)	D	30-80				40-100				40-90			40-110			60-140			90-170		
Flange centering diameter H7 (mm)	E	132				136				145			170			210			270		
Bolt circle diameter ±0.3 (mm)	F	162				164				170			220			260			330		
Flange outside diameter h7 (mm)	G	192				194				209			259			298			380		
Fastening threads (mm)	H	12xM10				12xM12				12xM12			12xM16			12xM16			12xM20		
Thread depth (mm)	I	18				22				22			28			30			36		
Fit length (mm)	J	4.5				3.5				3.5			6			8			6		
Wall thickness (mm)	K	16				20				24			32			32			48		
Distance (mm)	L	50.0				81.5				56.0			74			97			111		
Distance (mm)	M	81.0				112.5				96.5			115			138			171		
Actuation path (mm)	N	3.5				3.5				4.5			4.5			4.5			7.5		
Mounting diameter - elements (mm)	O	154				174				171			220			270			350		
Hub outside diameter (mm)	P	112				138				122			170			218			265		
Bore for fastening screw (mm)	Q	max. Ø 17				max. Ø 22				max. Ø 25			max. Ø 26			max. Ø 32			max. Ø 38		
Moment of inertia (approx.) D max. + max. sgmnt (10 ⁻³ kgm ²)		103				130				168			484			1028			4107		
Speed max. (rpm)		8500				6800				6300			5000			4000			3600		
Allowable max. radial force standard* (kN)		10				14				20			40			60			80		
Approx. weight at D max. + max. sgmnt (kg)		21				25				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

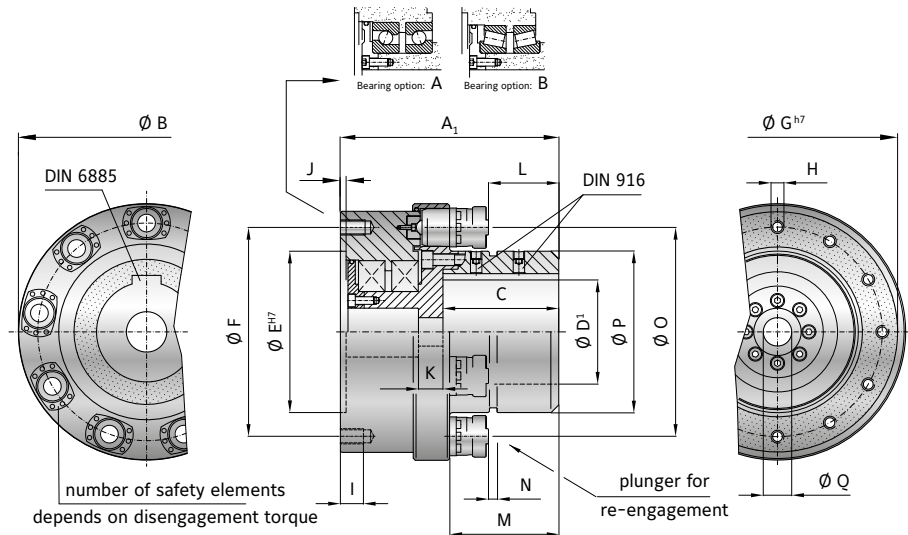
Hardened steel (nitrocarburized surface)

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



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 ₁	380			470			490			600	
Outside diameter (mm)	B	459			592			648			740	
Fit length (mm)	C	220			275			282			361	
Bore diameter possible \emptyset to \emptyset F7 (mm)	D	80-200			100-250			130-290			200-340	
Flange centering diameter H7 (mm)	E	300			390			450			508	
Bolt circle diameter ± 0.3 (mm)	F	360			464			570			600	
Flange outside diameter h7 (mm)	G	418			530			618			680	
Fastening threads (mm)	H	12xM20			12xM24			12xM24			12xM36	
Thread depth (mm)	I	36			40			44			60	
Fit length (mm)	J	9			10			11			12	
Wall thickness (mm)	K	53.5			67.0			67.0			78.0	
Distance (mm)	L	143			179			189			273	
Distance (mm)	M	202.5			255			265			349	
Actuation path (mm)	N	7.5			10			10			10	
Mounting diameter - elements (mm)	O	376			490			532			630	
Hub outside diameter (mm)	P	295			380			420			508	
Bore for fastening screw (mm)	Q	max. \emptyset 44			max. \emptyset 44			max. \emptyset 52			max. \emptyset 52	
Moment of inertia (approx.) D max. + max. sgmnt (10^{-3} kgm ²)		5925			20000			31830			61300	
Speed max. (rpm)		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