

STR

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



NEW

PROPERTIES

MATERIAL

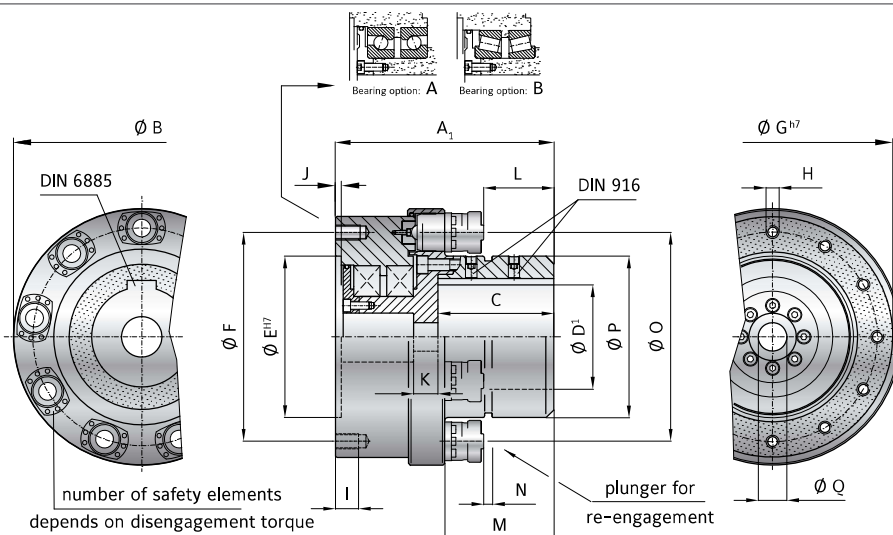
Hardened steel (nitrocarburized surface)

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	9-12	9-18	15-25	12-21	22-32	32-45
		3x ST11	6x ST11	6x ST11	6x ST11	3x ST11	6x ST11	9x ST11	9x ST11	3x ST16	6x ST16	6x ST16	3x ST16	6x ST16	9x ST16	6x ST16	9x ST16	12x ST16	6x ST31	6x ST31	9x 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 \varnothing to \varnothing 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. \varnothing 17				max. \varnothing 22				max. \varnothing 25			max. \varnothing 26			max. \varnothing 32			max. \varnothing 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

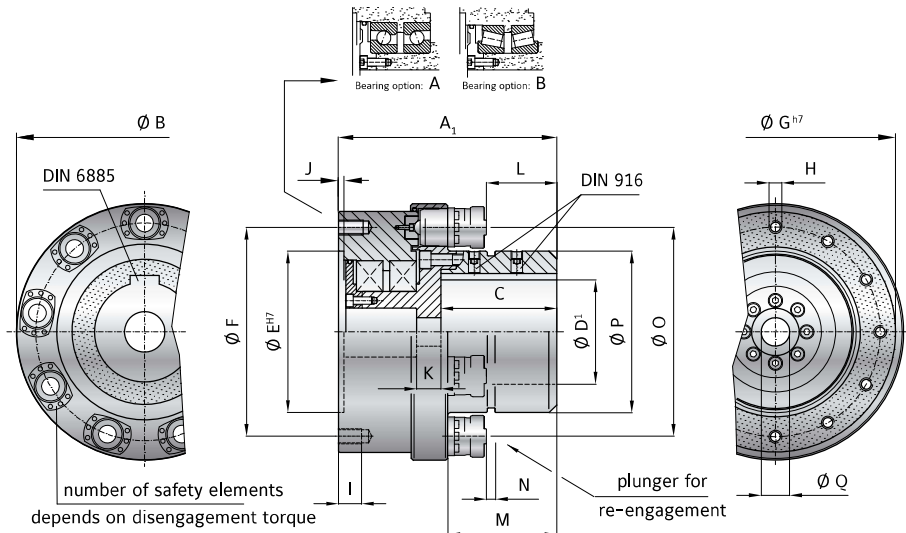
Hardened steel (nitrocarburized surface)

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



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 ₁	380			470			490			600	
Outside diameter (mm)	B	459			592			648			740	
Fit length (mm)	C	220			275			282			361	
Bore diameter possible ϕ to ϕ 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. ϕ 44			max. ϕ 44			max. ϕ 52			max. ϕ 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