

STN

WITH CONICAL CLAMPING RING

2 - 165 KNm



ABOUT

MATERIAL

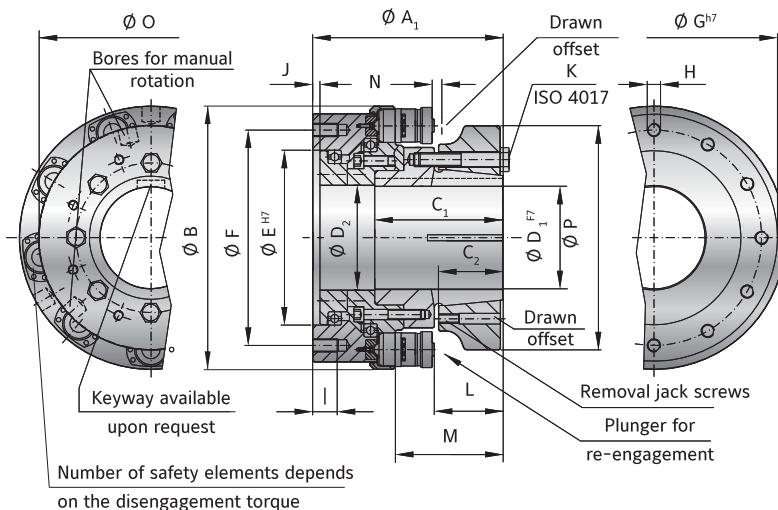
Hardened steel (nitrocarburized surface)

DESIGN

► Drive side: coupling hub with conical clamping ring connection (spline profile on request)

► Driven side: output flange with 12x fastening threads and integral bearings

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



MODEL STN

SIZE	10	25	60	160								
Adjustment range available from - to (KNm)	2-6 3 x ST 15	4-12 6 x ST 15	6-18 9 x ST 15	3-8 3 x ST 15	5-16 6 x ST 15	10-25 9 x ST 15	11-20 3 x ST 30	22-40 6 x ST 30	35-60 9 x ST 30	25-55 3 x ST 70	50-110 6 x ST 70	80-165 9 x ST 70
Overall length (mm)	A ₁ 210											425
Flange outside diameter (mm)	B 270											648
Fit length / keyway length (mm)	C ₁ 147											305
Effective clamping length (mm)	C ₂ 62											125
Bore diameter possible Ø to Ø F7 (mm)	D ₁ 65 - 110											140 - 290
Bore diameter max. Ø F7 with keyway (mm)	D ₁ 100											270
Inside diameter (mm)	D ₂ 110,2											290,2
Flange centering diameter H7 (mm)	E 170											450
Bolt circle diameter ±0,3 (mm)	F 220											570
Outside diameter h7 (mm)	G 259											618
Fastening threads	H 12 x M16											12 x M24
Thread depth (mm)	I 25											40
Fit length (mm)	J 6											10
Tightening screw ISO 4017	K 8 x M16											8 x M24
Tightening torque (Nm)		180										710
Distance (mm)	L 72											151
Distance (mm)	M 122											240
Actuation path (mm)	N 4											10
Mounting diameter - elements (mm)	O 220											532
Hub outside diameter (mm)	P 218											535
Moment of inertia (approx.) D max.(10 ⁻³ kgm ²)		446										30700
Speed max. (rpm)		4200										2000
Allowable max. radial force standard* (KN)		40										200
Approx. weight at D max. (kg)		50										550

* larger radial loads possible with special bearings

ORDERING EXAMPLE	STN	025	5-16	12	117.48	25	XX
Model	●						
Size		●					
Adjustment range (KNm)			●				
Disengagement torque (KNm)				●			
Bore diameter D F7					●		
Bore for fastening screw in shaft end (Q)						●	
Special designation only (e.g. custom output flange)							
For custom features place an XX at the end of the part number and describe the special requirements (e.g. STN / 025 / 5-16 / 12 / 117.48 / 25 / XX)							