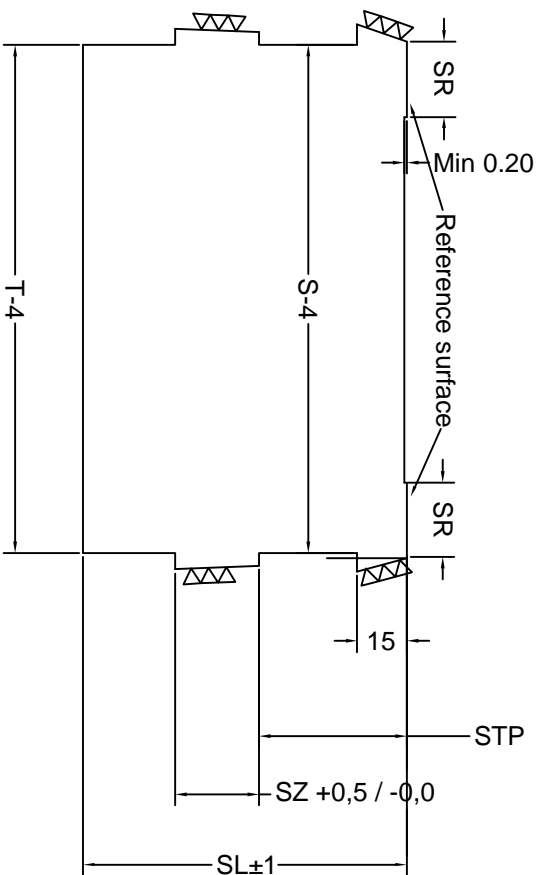
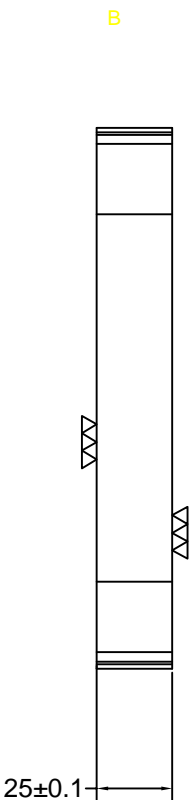


Option (Flat or circular surface)



- Notes:
- 1.- Engrave "TSH-GD-08.0001 Rev ... Pos"
 - 2.- Engrave Thread and seal. Words shall be 0.8mm deep.
 - 3.- Material: Thyrodur 2990 Heat treatment:
 - a) Stress Relief at 650°CX 2 hours, as an intermediate step between machining and grinding.
 - b) Vacuum quenching since a temperature of austenitising 1070- 1080 °C at room temperature
 - c) Cooling: Subzero up to -80°C and then tempered twice at 520°C. Hardness requested 58-60 HRC
 - 4.- Serial Number- (according to the supplier identification)
 - 5.- Taper surfaces for thread and seal axes shall be perpendicular to the reference surface.
 - 6.- Dimensions S, ASP, T, ATP, Angle A and B shall be certified.
 - 7.- The Corrosion Protection and Packaging shall be according to TenarisConnections specification.
 - 8.- The Certificate shall be according TenarisConnections specification.

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MODIFICATIONS					OBJECT: Tenarishydril ER				
REV	Description	Draw	Chk	App	Date				

DETAIL:					Pin Nose and Thread Std - 7" to 16"				
02	Added a hole if the hole or new hole	JPA	ELT	NCR	6/7/10				
01	New Issued	JPA	ELT	NCR	6/7/10				

Drawn by JPA	Checked by ELT	Approved by NCR							
DRAWING N.:					TSH-GD-08.0001				
					02 1/2				

All the changes do not affect the functionality of the Standards made with previous revisions.

01		02		03		04		05	