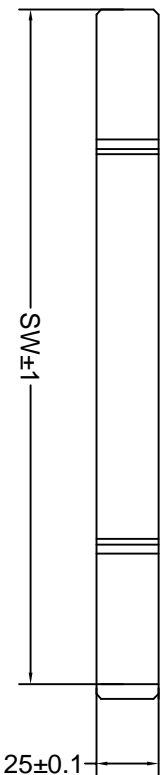



OPTION 1 (Flat or circular surface)



- Notes:
- 1.- Engrave "TSH-GD-01.0004 Rev. ... Pos."
 - 2.- Engrave Thread and Seal and Contact point line. Words shall be 0.8mm deep.
 - 3.- Material: Thyrodur 2990 Heat treatment:
 - a) Stress Relief at 650°C X 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, T, Ref SAP, ATP, Angles TA and SA shall be certified.
 - 7.- Make a line mark at distance SAP±0.1
 - 8.- The Corrosion Protection and Packaging shall be according to TenarisConnections specification.
 - 9.- The Certificate shall be according TenarisConnections specification.

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

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MODIFICATIONS						OBJECT:	
Rev	Description	Draw.	Chk.	App.	Date	TenarisHydril Blue™ Box Seal and Thread Standard - Tubing	
03	Adds shoulder distance "SS"	JPA	ELT	NCR	10/09/09		
04	Increase seal length area	JPA	ELT	NCR	10/09/09		
05	Modified SL and SW length	JPA	ELT	NCR	10/09/09		
06	Changed TA and SA angles tolerances	JPA	ELT	NCR	10/09/09		
Scale: NOT		Date: 01/10/09		Approved by: NCR		DRAWING N.: TSH-GD-01.0004	
Drawn by: JPA		Checked by: ELT		Approved by: NCR		R E V. 06 N page 1/2	

01		02		03		04		05	