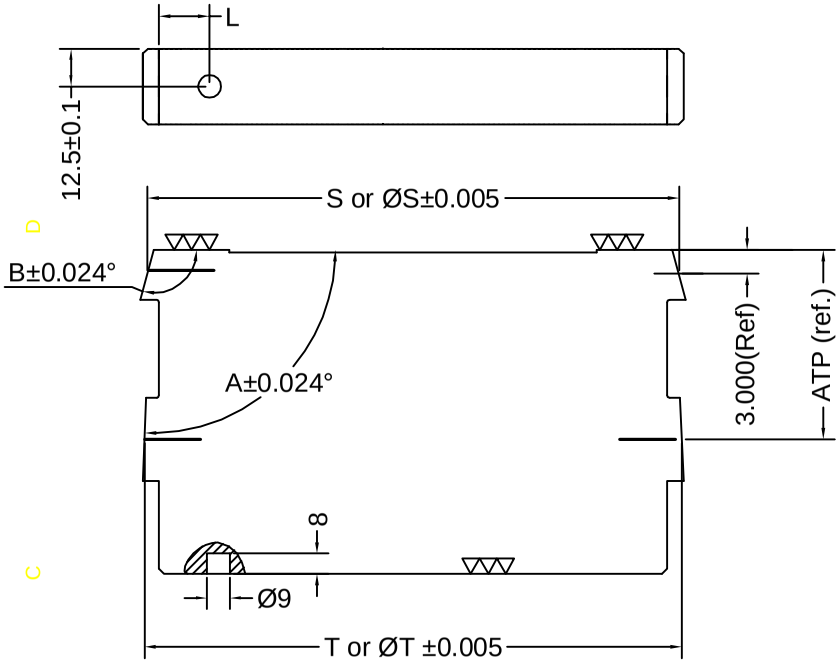
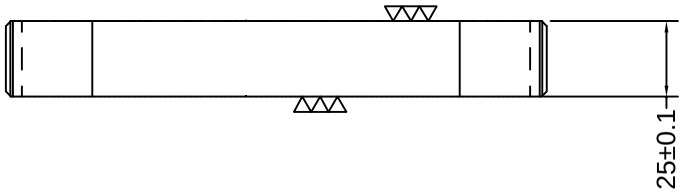
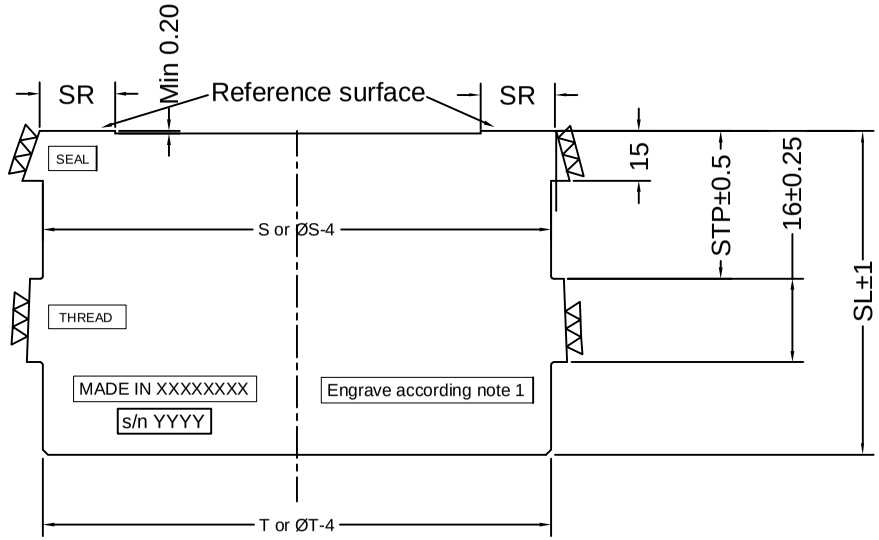


Option (Flat or circular surface)





Notes:
1.- Engrave "TSH-GD-04.0003 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: Subcero 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, Ref 3.000, 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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MODFICATIONS

Rev	Description	Draw.	Chk.	App.	Date
02	Added pos 32 and change seal length	JPA	ELT	NCR	05/10/10
03	Added positions and a hole at the base one side	JPA	BTL	NCR	01-Sep-10
04	Changed angles A and B tolerances	JPA	BTL	NCR	20-May-11

OBJECT: TenarisHydril Blue™ Near Flush

DETAIL: Pin Internal Seal and Small Thread Standard

Scale: NOT Date: 25/Sep/09

Drawn by: JPA Checked by: ELT Approved by: NCR

DRAWING N.: TSH-GD-04.0003 REV. 04 N. page 1/3

Std Rev	Diameter	lb/ft	Wall Thickness	Position	Angle A°	ATP Ref	T or Diam T	Angle B°	S or Diam S	STP	SL	SR
01	5	18.00	0.36	31	91.432	27.400	115.334	94.764	111.770	19.400	52.0	30.0
0	5	20.30	0.41	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
0	5	20.80	0.42	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
0	5	21.40	0.44	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
0	5	23.20	0.48	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
01	5.5	23.00	0.42	1	91.432	27.400	126.289	94.764	122.690	19.400	52.0	30.0
0	5.5	26.00	0.48	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
0	6.625	28.00	0.42	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
0	6.625	32.00	0.48	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
02	7	26.00	0.36	32	91.432	27.200	166.218	94.764	162.629	19.200	52.0	40.0
01	7	29.00	0.41	2	91.790	27.600	165.411	94.764	161.078	19.600	52.0	40.0
01	7	32.00	0.45	3	91.790	30.000	163.558	94.764	159.075	22.000	52.0	40.0
01	7	35.00	0.50	4	92.434	27.600	161.338	94.764	156.735	19.600	52.0	40.0
01	7	38.00	0.54	5	92.434	32.200	159.920	94.764	154.927	24.200	52.0	40.0
03	7	41.00	0.59	33	92.434	31.000	158.773	94.764	153.881	23.000	52.0	40.0
03	7.625	29.70	0.38	34	91.432	27.000	182.114	94.764	178.535	19.000	52.0	40.0
01	7.625	33.70	0.43	6	91.790	27.600	179.704	94.764	175.372	19.600	52.0	40.0
01	7.625	39.00	0.50	7	92.434	27.800	176.946	94.764	172.327	19.800	52.0	40.0
01	7.625	42.80	0.56	8	92.434	34.000	175.252	94.764	170.106	26.000	52.0	40.0
03	7.625	45.30	0.60	35	92.434	33.400	174.436	94.764	169.341	25.400	52.0	40.0
03	7.625	47.10	0.63	36	92.434	34.400	173.387	94.764	168.206	26.400	52.0	40.0
01	7.75	46.10	0.60	9	92.434	28.200	178.189	94.764	173.535	20.200	52.0	40.0
03	7.75	48.60	0.64	37	92.434	34.000	176.201	94.764	171.055	26.000	52.0	40.0
03	8.625	36.00	0.40	38	91.432	27.600	205.989	94.764	202.381	19.600	52.0	40.0
03	8.625	40.00	0.45	39	91.790	28.000	205.063	94.764	200.705	20.000	52.0	40.0
03	8.625	44.00	0.50	40	92.434	30.200	202.400	94.764	197.576	22.200	52.0	40.0
03	8.625	49.00	0.56	41	92.434	30.800	200.857	94.764	195.983	22.800	52.0	40.0
0	8.625	52.00	0.60	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
03	9.625	40.00	0.40	42	91.432	27.200	232.064	94.764	228.475	19.200	52.0	40.0
01	9.625	43.50	0.44	10	91.790	27.600	231.523	94.764	227.191	19.600	52.0	40.0

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OBJECT: TenarisHydril Blue™ Near Flush

DETAIL: Pin Internal Seal and Small Thread Standard

Scale: NOT | Date: 25/Sep/09

Drawn by: JPA | Checked by: ELT | Approved by: NCR

DRAWING N.: TSH-GD-04.0003 | REV.: 04 | N. page: 2/3

Std Rev	Diameter	lb/ft	Wall Thickness	Position	Angle A°	ATP Ref	T or Diam T	Angle B°	S or Diam S	STP	SL	SR
01	9.625	47.00	0.47	11	91.790	31.600	228.956	94.764	224.374	23.600	52.0	40.0
01	9.625	53.50	0.55	12	92.434	30.600	227.757	94.764	222.899	22.600	52.0	40.0
03	9.625	58.40	0.60	43	92.434	33.400	226.239	94.764	221.144	25.400	52.0	40.0
0	9.625	64.90	0.67	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
01	9.875	62.80	0.63	13	92.434	31.400	230.201	94.764	225.275	23.400	52.0	40.0
03	9.875	65.30	0.65	44	92.434	35.000	228.898	94.764	223.667	27.000	52.0	40.0
0	9.875	68.80	0.70	0	0.000	0.000	0.000	0.000	0.000	0.000	0.0	0.0
01	10	68.80	0.70	14	92.434	31.400	230.201	94.764	225.275	23.400	52.0	40.0
01	10.75	51.00	0.45	15	91.790	27.800	258.721	94.764	254.376	19.800	52.0	40.0
01	10.75	55.50	0.50	16	91.790	30.000	256.712	94.764	252.229	22.000	52.0	40.0
01	10.75	60.70	0.55	17	92.434	27.600	255.027	94.764	250.425	19.600	52.0	40.0
01	10.75	65.70	0.60	18	92.434	32.800	254.667	94.764	249.623	24.800	52.0	40.0
03	10.75	71.10	0.65	45	92.434	28.800	252.176	94.764	247.472	20.800	52.0	40.0
01	11.75	54.00	0.44	19	91.790	28.000	284.342	94.764	279.985	20.000	70.0	50.0
01	11.75	60.00	0.49	20	91.790	29.200	282.389	94.764	277.957	21.200	70.0	50.0
01	11.75	65.00	0.53	21	92.434	27.600	282.773	94.764	278.170	19.600	70.0	50.0
01	11.75	71.00	0.58	22	92.434	32.400	279.186	94.764	274.175	24.400	70.0	50.0
01	11.875	71.80	0.58	23	92.434	29.600	283.045	94.764	278.272	21.600	70.0	50.0
01	13.375	61.00	0.43	24	91.432	27.800	325.997	94.764	322.379	19.800	70.0	50.0
01	13.375	68.00	0.48	25	91.790	27.600	324.115	94.764	319.783	19.600	70.0	50.0
01	13.375	72.00	0.51	26	91.790	31.000	322.965	94.764	318.358	23.000	70.0	50.0
01	13.375	77.00	0.55	27	92.434	30.600	321.436	94.764	316.578	22.600	70.0	50.0
01	13.375	80.70	0.58	28	92.434	31.800	320.683	94.764	315.724	23.800	70.0	50.0
01	13.375	86.00	0.63	29	92.434	28.600	319.339	94.764	314.651	20.600	70.0	50.0
01	13.625	88.20	0.63	30	92.434	31.400	325.952	94.764	321.027	23.400	70.0	50.0

Notes: -Tolerances T and S +/- 0.005 mm (+/-.0002") are for the manufacturing supplier and +/- 0.010 mm (+/-.0004") for the hubs.

-The original certificate submitted by the supplier will be loaded into the MTR.

- No compensation values will be allowed. If the hub find tolerances out of +/- 0.010 mm (+/-.0004") has to contact Tenaris Connection.

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OBJECT: TenarisHydril Blue™ Near Flush

DETAIL: Pin Internal Seal and Small Thread Standard

Scale: NOT | Date: 25/Sep/09

DRAWING N.: TSH-GD-04.0003 | REV.: 04 | N. page: 3/3

Drawn by: JPA | Checked by: ELT | Approved by: NCR