

STANDARDS AND INSPECTION PROCEDURES FOR TEXLINE STEEL FABRICATED FITTINGS

A. This specification covers the standards and inspection procedures to be followed when manufacturing and inspecting Texline fabricated fittings.

B. Applicable specifications and standards.

1. Base Metal: ASTM A53, A135, A106, A795, A105, A35, A36, A312-TP304-TP304L-TP316-TP316L, A240-TP304-TP304L-TP316-TP316L, A403-WP304-WP304L-WP316-WP316L, and A182-TP304-TP304L-TP316-TP316L carbon and stainless steel specifications.
2. Texline grooved fabricated steel fitting drawing TMC001.
3. Texline cut grooved fabricated steel fitting drawing TMC002.
4. Texline CIPS coupler drawings TMC003 and TMC004.
5. ANSI/ASME Standard B1 .20.1 for pipe threading on schedule 40 and threadable thinwall pipe.
6. Texline fabricated steel fittings shall comply with all FM and UL specifications.
7. Texline full flow fittings are manufactured from weld fittings meeting ASTM 234WPB/ASA B16.9 and ASTM A312.
8. Texline flanged fittings are manufactured meeting ASME/ANSI B16.5 specifications.
9. Texline fittings are manufacture by qualified welders to Texas Manufacturing Company welding procedures S-101, S-102, S103 and ASME SECTION IX, B31.1-B31.3.
10. All fittings are not 100% penetrated.

C. Material specifications for TEXLINE schedule 7 or nonthreadable thinwall.

1. Fittings 1 1/4" have a nominal wall thickness of .065.
2. Fittings 1 1/2" and 2" have a nominal wall thickness of .080.
3. Fittings 2 1/2" have a nominal wall thickness of .088.
4. Fittings 3" have a nominal wall thickness of .096.
5. Fittings 4" have a nominal wall thickness of .098
6. Fittings 6" have a nominal wall thickness of .120,

D. Material specifications for TEXLINE schedule 10 fittings.

1. Fittings %" have a nominal wall thickness of .083.
1. Fittings 1" through 2" have a nominal wall thickness of .109.
2. Fittings 2 1/4" through 4" have a nominal wall thickness of .120.
3. Fittings 5" through 6" have a nominal wall thickness of .134.
4. Fittings 8" through 12" have a nominal wall thickness for .188.

E. Material specifications for TEXLINE schedule 40 and standard wall fittings.

1. Fittings 1" have a nominal wall thickness of .133.
2. Fittings 1 1/4" have a nominal wall thickness of .140.
3. Fittings 1 1/2" have a nominal wall thickness of .145.
4. Fittings 2" have a nominal wall thickness of .154.
5. Fittings 2 1/2" have a nominal wall thickness of .203.
6. Fittings 3" have a nominal wall thickness of .216.
7. Fittings 3 1/2" have a nominal wall thickness of .226.
8. Fittings 4" have a nominal wall thickness of .237.
9. Fittings 5" have a nominal wall thickness of .258.
10. Fittings 6" have a nominal wall thickness of .280.
11. Fittings 8" have a nominal wall thickness of .322.
12. Fittings 10" have a nominal wall thickness of .365.
13. Fittings 12" through 36" have a nominal wall thickness of .375.