

comparative specification data

Specification	A795 NPS 1/2 -- 10" Schedule 10 and Schedule 40																														
Scope	Covers seamless and welded, black and hot-dipped galvanized nominal wall pipe. For coiling, bending, flanging and is suitable for welding. Pipe ordered for this specification is intended for use in free protection system.																														
Kinds of Steel Permitted For Pipe Material	Open-hearth Basic-oxygen Electric-furnace																														
Hot-Dipped Galvanizing	Sets standards for coating of pipe with zinc inside and outside by the hot-dipped process. Weight of coating must not average less than 1.8 oz per square foot and not less than 1.6 per square ft.																														
Permissible Variations in Wall Thickness	The minimum wall thickness at any point shall not vary by more than 12.5% under the nominal wall thickness.																														
Chemical Requirements	<table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>C max %</u></th> <th style="text-align: center;"><u>Mn max %</u></th> <th style="text-align: center;"><u>P max %</u></th> <th style="text-align: center;"><u>S max %</u></th> </tr> </thead> <tbody> <tr> <td>Seamless or ERW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Grade A</td> <td style="text-align: center;">0.25</td> <td style="text-align: center;">0.95</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.06</td> </tr> <tr> <td style="padding-left: 20px;">Grade B</td> <td style="text-align: center;">0.30</td> <td style="text-align: center;">1.20</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.06</td> </tr> <tr> <td>Furnace-weld Pipe</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Type F</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">0.08</td> <td style="text-align: center;">0.08</td> </tr> </tbody> </table>		<u>C max %</u>	<u>Mn max %</u>	<u>P max %</u>	<u>S max %</u>	Seamless or ERW					Grade A	0.25	0.95	0.05	0.06	Grade B	0.30	1.20	0.05	0.06	Furnace-weld Pipe					Type F	-----	-----	0.08	0.08
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NDE & Hydrostatic Testing	Hydrostatic inspection test pressures for plain end and threaded are specified. Hydrostatic pressure shall be maintained for not less than 5 seconds for all sizes of seamless and electric resistance weld pipe. Non destructive electric test in accordance with practices E 213 or E 309 for the larger sizes. Pressure is maintained for not less than 5 seconds.																														
Permissible Variations in Weights per Foot	Plus or minus 5%																														
Permissible Variations in Outside Diameter	Outside diameter at any point shall not vary from standard specified more than-- <table border="0" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">For NPS 1 1/2 and Smaller Sizes</td> <td style="width: 50%;">For NPS 2 and Larger Sizes</td> </tr> <tr> <td>1/64" over 1/32" under</td> <td>1% over 1% under</td> </tr> </table>	For NPS 1 1/2 and Smaller Sizes	For NPS 2 and Larger Sizes	1/64" over 1/32" under	1% over 1% under																										
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Number of Tests Required	Flattening -- Tests are to be performed on electric-resistance welded pipe, and furnace welded pipe.																														
Lengths	Unless specified, pipe shall be furnished on single random lengths or 16 to 22 ft.																														
Required Markings on Each Length (On Tags attached to each Bundie in case of Bundled Pipe)	Rolled Stamped or Stenciled (Mfgs. option) Name or brand of the manufacturer. Electric-resistance welded A, electric-resistance welded B, Seamless A, Seamless B, Grade A or B for type E or S pipe, wall thickness schedule ASTM A795, the letters NH if not hydrostatically tested. The length of pipe.																														
General Information	End finish may be plain end beveled or plain end square cut.																														