



# PIPE

## Stainless Steel

### Welded or Seamless



*Eagle furnishes a full line of stainless steel pipe, fittings and flanges to handle any problem involving corrosion, temperature or pressure. We serve all major industries including chemical, petrochemical, nuclear, cryogenics, food, paper and pollution control.*

*In addition to stainless steel, Eagle can provide corrosion resistant piping products in such materials as aluminum, nickel alloys and special alloys.*

#### Ordering Your Piping

Pipe is ordinarily ordered by its nominal diameter (pipe size) and wall thickness which is specified by a schedule number. The convenient Pipe Selection Guide at the right shows schedules with corresponding wall thicknesses as well as weights in pounds per foot of pipe length.

#### Stainless Steel Pipe

Eagle seamless and welded austenitic stainless steel pipe is stocked in the annealed and pickled condition, making it suitable for welding, bending, and fabrication of all kinds. Permissible size variations are shown in Table 1-2 below.

All Eagle seamless and welded stainless steel pipe can be furnished with complete material test reports including all chemical and mechanical data. Additional testing, including 100% X-Ray Test, Charpy Test, Dye Penetrant Test, etc., is available at an additional cost.

*\* Note: For dimensions and weights see opposite page.*

#### Standard Tolerances for ASTM-A 312 Stainless Steel Pipe

Nominal Pipe Size	Outside Diameter Tolerance Over	Under	Wall
1/8 to 1-1/2 incl.	1/64 (0.015)	1/32 (0.031)	+ 0.0%/-12.5%
Over 1-1/2 to 4 incl.	1/32 (0.031)	1/32 (0.031)	+ 0.0%/-12.5%
Over 4 to 8 incl.	1/16 (0.062)	1/32 (0.031)	+ 0.0%/-12.5%
Over 8 to 18 incl.	3/32 (0.093)	1/32 (0.031)	+ 0.0%/-12.5%
Over 18 to 24 incl.	1/8 (0.125)	1/32 (0.031)	+ 0.0%/-12.5%

#### Seamless Stainless Steel Pipe

Pipe can be certified to ASTM A-312, ASME SA-312. When surface finish is not a critical consideration, hot finished pipe is more economical product. Selected sizes of cold drawn pipe also meet MIL P1144D, which is similar to ASTM A-312, but with the important addition of an acidified copper sulfate test. Hot finished pipe will not meet MIL P1144D because of surface finish requirements. When surface finish is not a critical consideration, hot finished pipe is a more economical product.

**Cold Drawn Pipe** – is available from  
1/8" I.P.S. to 8" I.P.S. in all wall  
thicknesses.

**Hot Finished Pipe** – is available in  
selected sizes to meet competitive  
market conditions.

#### Welded Stainless Steel Pipe

Eagle welded stainless steel pipe is supplied in the full finished condition. It has been annealed and pickled and meets all aspects of ASTM A-312, ASME SA-312.



ISO 9001  
ISO 13485