



COMMON ASTM PIPING SPECIFICATIONS

SPEC NUMBER DESCRIPTION

A53

*Covers 1/8" through 26" (inclusive) carbon steel pipe in 2 grades:
Type 'E' (1/8" through 26"; arguably the most common type and is available in grades A & B)
and types 'S' (1/8" through 26"; this is seamless and can be dual stamped as A106)*

A105

Covers forged carbon steel components in piping systems such as flanges, small threaded and socketweld fittings and some valve parts.

A106

Covers seamless carbon steel pipe in grades A, B and C (The grades denote specific characteristics such as tensile and yield strengths). Generally, A106 pipe is not available in sizes much larger than 26".

A182

Covers forged stainless and alloy steel components in piping systems such as flanges, small threaded and socketweld fittings and some valve parts.

A234

Covers wrought carbon and alloy steel butt weld fittings of both seamless and weld construction. There are numerous grades of fittings that fall under this designation such as A234WPB, A234WPC, A234WP11, A234WP22, A234WP91, etc.

A312

Covers seamless and welded (straight seam) austenitic stainless steel pipe, 1/4" through 30". There are more than two dozen grades of this particular kind of pipe.

A335

Covers seamless chrome pipe in a number of trades (P5, P9, P11, P12, P22, P91, P92, etc.) intended for high temperature service.

A403

Covers wrought austenitic stainless steel pipe fittings for pressure applications. There are several grades allowed under this spec, such as WPW (arguably the most common of the grades, this one is assumed if the customer does not specify what is desired), WPX (where radiographic examination of all welds is required), WPU (where ultrasonic examination of all welds is required), WPS (seamless) and CR (non-destructive examination is not required). A403 also calls for heat treatment of all fittings.

A774

Covers "as welded" wrought austenitic stainless steel fittings from 3" through 48". No heat treatment is required under this specification.

A778

Covers "as welded" unannealed stainless steel pipe (in both straight and spiral butt seam) in sizes 3" through 48".

This information is for reference only and is not intended to be a replacement for consulting the applicable ASTM Standards