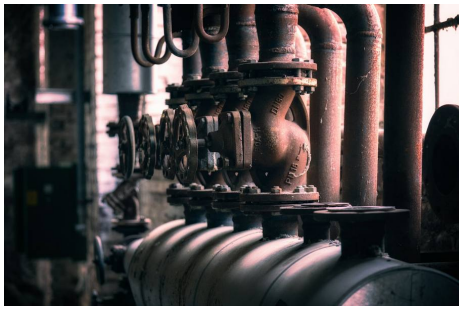
ALLOY STEEL Advanced Materials. Engineered for Performance.

A335 P11 Seamless Pipe



Alloy Steel | ASTM / ASME: A335 / SA335 Grade P11 | EN: 13CrMoSi5-5 / 1.7336 | Fittings / flanges: A234 WP11 / A182 F11

1.25Cr-0.5Mo seamless pipe. The matching pipe grade to SA387 Grade 11, used for moderate temperature steam and process lines where plain carbon steel loses strength and oxidation resistance.

Stock status: Mill indent - Typical lead time: 4 - 8 weeks mill indent

Key features

- Seamless, normalised and tempered to ASME SA335
- Creep rupture strength for long term elevated temperature service
- Matched fittings (A234 WP) and flanges (A182 F) available from one source
- Hardness, hydro and ultrasonic test reports with every heat

Available forms & sizes

Form	Size range
Seamless Pipes & Tubes	1/2" - 24" NB, SCH 40 - SCH 160 / XXS
Fittings	1/2" - 24" butt weld fittings, WP11 / WP22 / WP91
Flanges	1/2" - 24", 150# - 2500#, F11 / F12 / F22 / F5 / F9 / F91

Chemical composition (%)

Element	Min	Max
C	0.05	0.17
Cr	1.00	1.50
Mo	0.45	0.65
Si	0.50	0.80
Mn	0.40	0.65

Mechanical properties

Property	Value	Unit
Yield Strength (0.2%)	205 min	MPa
Tensile Strength	415 min	MPa

Property	Value	Unit
Elongation	20 min (longitudinal)	%
Condition	Normalised and tempered, seamless	-

Physical properties

Property	Value	Unit
Density	7.85	g/cm3
Max Service Temperature	550 - 650 depending on grade	C

Standards

ASTM A335 / ASME SA335, ASTM A234 (fittings), ASTM A182 (flanges), EN 10216-2, EN 10204 3.1 / 3.2

Equivalent grades

13CrMoSi5-5, 1.7336, WP11, F11

Industries served

Power Generation, Petrochemical, Refining, Oil & Gas, Fertiliser

Typical applications

- Main steam and hot reheat piping
- Superheater and reheater headers
- Refinery hot wall piping and heater coils
- High temperature process lines

Live datasheet