



Grade	Yield Strength minimum psi	Tensile Strength minimum psi
Grade A (ASTM A53, A106, A523 & API 5L)	30,000	48,000
Grade 1 (ASTM A252)	30,000	50,000
Grade B (ASTM A53, A106, A523 & API 5L)	35,000	60,000
Grade 2 (ASTM A252)	35,000	60,000
ASTM A501	36,000	58,000
Grade C (ASTM A106)	40,000	70,000
Grade 3 (ASTM A252)	45,000	66,000
API 5L X42	42,000	60,000
X46	46,000	63,000
X52	52,000	66,000
X56	56,000	71,000
X60	60,000	75,000
X65	65,000	77,000
X70	70,000	82,000

API 5L

This American Petroleum Institute (API) specification covers seamless and welded steel line pipe for use in conveying gas, water, and oil in the oil and natural gas industries.

ASTM A53

This American Society for Testing and Materials specification covers seamless and welded steel pipe intended for mechanical and pressure applications, including ordinary uses in steam, water, gas, and air lines.

ASTM A106

This American Petroleum Institute (API) specifications covers seamless carbon steel pipe for high temperature service.