

347/347H

(UNS S34700/S34709)

Availability:

Seamless Pipe: 1/2" - 12"
Weld Pipe: 8" - 12"
Butt-Weld Fittings: 1/2" - 12"
Butt-Weld Flanges: 1/2" - 12"
Bar: 1" - 12"

Specifications:

ASTM A312, A403, A182,
A479, A276
ASME SA312, SA403, SA182
SA479, SA276

Description:

These stainless alloys are austenitic chromium steels containing columbium. The addition of columbium produces a stabilized type of stainless that eliminates carbide precipitation, and consequently, intergranular corrosion. They are recommended for parts fabricated by welding, that cannot be subsequently annealed. They also are used for parts, that can be intermittently heated and cooled to temperatures between 800° and 1600° F.

Typical Applications:

- High temperature chemical process
- Heat exchanger tubes
- Refineries
- High temperature steam service

Tensile Requirements:

Tensile Strength Yield Strength
(KSI) = 75 (KSI) = 30

KSI can be converted to MPA (Megapascals) by multiplying by 6.895.

Chemical Composition %

C	Co	Cr	Mn	Ni	P	S	SI	Ta
MAX			MAX		MAX	MAX	MAX	
0.08	Trace*	17.0 - 19.0	2.0	9.0 - 13.0	0.045	0.030	1.00	Trace*