(UNS S30400/S30403)

Availability:

Seamless Pipe: 1/4" - 24" Weld Pipe: 1/2" - 36" Butt-Weld Fit: 1/2" - 36" Butt-Weld Fit SMLS: 1/2" - 36" Pressure Fittings: 1/4" - 4" 150# Fittings/Nipples: 1/4" - 6" Valves: 1/2" - 24"
Tubing: 1/4", 3/8", 1/2", 3/4", 1"
Flanges: 1/2" - 36"
Bar: 1/8" - 12"

Specifications:

ASTM A312, A376, A358, A269 A249, A403, A182, A351

ASME SA312, SA376, SA358 SA269, SA249, SA403 SA182, SA351

Description:

304 stainless is a low-carbon (0.08% max) version of basic 18-8, also known as 302. Type 302 has 18% chromium and 8% nickel. Type 304 has a slightly lower strength than Type 304 has a slightly lower strength than 302 due to its lower carbon content. Type 304 is used in welding applications, because the low carbon permits some exposure in the carbide precipitation range of 800° F - 1500° F without the need for post-annealing operations. However, the severity of the corrosive environments may necessitate annealing after welding or the use of 304L. Type 304L has a carbon content of 0.03% or less

Typical Applications:

- · Sanitary systems
- Dairy and food processingHeat exchangers, evaporators
- Feedwater heaters

Tensile Requirements:

Tensile Strength Yield Strength (KSI) = 70(KSI) = 25

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

Chemical Composition %

С	Cr	Mn	Ni	Р	S	Si
MAX		MAX		MAX	MAX	MAX
0.035	18.0 - 20.0	2.0	8.0 - 13.0	0.045	0.030	1.00