

Description

304/304H is an austenitic chromium-nickel alloy known to be among the most adaptable and widely applied stainless steels in the 300 series. The higher carbon content in 304H makes for an amplified tensile and yield strength.

Product Capabilities

Form Name	Size Range	Schedules	Specifications
Seamless Pipe	1/2"-36"	10S, 40S, 80S, Sch. 160, XXH	ASTM A312 / ASME SA312
Buttweld Fittings	1/2"-36"	10S, 40S, 80S	ASTM A403 / ASME SA403
Flanges	1/2"-36"	150#, 300#, 600#	ASTM A182 / ASME SA182
Pressure Fittings	1/2"-2"	3000# THRD/SW	ASTM A182 / ASME SA182

Limiting Chemical Composition %

%	Cr	Ni	C	Si	Mn	P	S	N
304H	min: 18.0 max: 20.0	min: 8.0 max: 10.5	min: 0.04 max: 20.0	MAX 0.75	MAX 2.0	MAX 0.045	MAX 0.03	MAX 0.10

Typical Industrial Applications

- Pipelines
- Condensers
- Heat exchangers
- Oil refining
- Power generation industry
- Gas and chemical industries

Tensile Requirements

Tensile Strength ksi (min.)	Yield Strength ksi (min.)
75	30