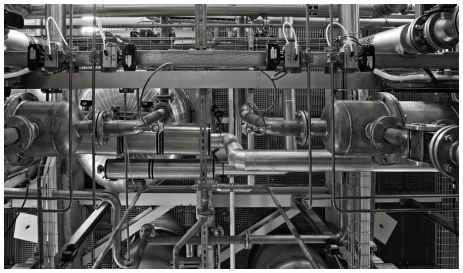
STAINLESS STEEL Advanced Materials. Engineered for Performance.

304 / 304L

Stainless Steel | UNS: S30400 / S30403 | EN: 1.4301 / 1.4307 | JIS: SUS304 / SUS304L

The workhorse austenitic stainless steel. 304L's lower carbon content prevents carbide precipitation during welding, making it the default choice for welded fabrications that cannot be post-weld annealed.



Stock status: Ex-stock Dubai - Typical lead time: 2 - 3 working days ex Dubai

Key features

- Excellent formability and weldability
- Low carbon variant avoids weld decay
- Widest stock availability and shortest lead time

Available forms & sizes

Form	Size range
Plates	1.5 - 100 mm thk, up to 2500 mm wide
Sheets & Coils	0.4 - 6 mm thk, 1000 / 1219 / 1500 mm wide
Seamless Pipes & Tubes	1/2" - 24" NB, SCH 5S - SCH 160
Round Bars	6 - 500 mm dia
Flanges	1/2" - 48", 150# - 2500#
Fittings	1/2" - 48", SCH 10S - SCH 160

Chemical composition (%)

Element	Min	Max
C	-	0.08 / 0.030
Cr	18.0	20.0
Ni	8.0	10.5
Mn	-	2.00
Si	-	0.75

Mechanical properties

Property	Value	Unit

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Yield Strength (0.2%)	205 min	MPa
Tensile Strength	515 min	MPa
Elongation	40 min	%
Hardness	201 max	HBW

Physical properties

Property	Value	Unit
Density	7.93	g/cm3
Max Service Temperature	870	C
PREN	19	-

Standards

ASTM A240, ASTM A312, ASTM A182, EN 10088-2

Equivalent grades

1.4301, 1.4307, SUS304L, X2CrNi18-9

Industries served

Food & Beverage, Pharmaceutical, Construction, General Engineering

Typical applications

- Process tanks and vessels
- Food and beverage equipment
- Architectural cladding
- General welded fabrication

Live datasheet