

## Material: JIS SUS 304

### Standard Specification for Iron-Chromium-Nickel, Bright Bars, Hot Rolled and Cold Rolled coil

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** JIS SUS 304 Iron-Chromium-Nickel, Bright Bars, Hot Rolled and Cold Rolled coil

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Bright Bars, Hot Rolled and Cold Rolled coil

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	18.000 - 20.000
Nickel	Ni %	8.000 - 10.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	440 - 1527.2
Yield Strength in Mpa	205 - 1229.2
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in HB	187 max.
Impact in Joule	34.3 - 215.6 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4308	DIN	Germany	Casting
1.4301	EN	European Union	Forging
304 S11	BS	British	Bright Bars, Hot Rolled and Cold Rolled, Coil
08CH18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
304	AISI	USA	Bar, Wire, Strip, Plat, Sheet and Forging
A743 CF8	ASTM	USA	Casting
A351 CF8	ASTM	USA	Casting

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