

Material: BS 304 S 11

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

Group: Ferrous Stainless Steel Alloys

Sub Group: BS 304 S 11 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	9.000 - 12.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	480 - 850
Yield Strength in Mpa	180 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	320 max.
Impact in Joule	55 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SUS 304L	JIS	Japan	Hot Rolled Equal Leg Angles
04CH 18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
304L	AISI	USA	Bar, Wire, Strip, Plat, Sheet and Forging
1.4306	DIN	Germany	Cold Rolled, Strips, Slit, Coils and Forging
1.4307	EN	European Union	Rod, Bars, Wire and Forging
A743 CF3	ASTM	USA	Casting
A351 CF3	ASTM	USA	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India