

Material: JIS SUS 304L

Standard Specification for Iron-Chromium-Nickel Alloy Bar

Group: Ferrous Stainless Steel Alloys

Sub Group: JIS SUS 304L Iron-Chromium-Nickel Alloy Bar

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

Grade Belongs to the Industry: Bar

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	18.000 - 20.000
Nickel	Ni %	9.000 - 13.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	480 - 1130
Yield Strength in Mpa	175 min.
Elongation in %	1 - 62
Reduction of Area in %	60 min.
Hardness in HB	187 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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
304 S11	BS	British	Bright Bars, Hot Rolled and Cold Rolled, Coil
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