



Material - UNS J92500

Standard Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant for Severe Service

Group - Ferrous Stainless Steel Alloys

Sub Group - UNS J92500 Iron-Chromium-Nickel, Corrosion Resistant for Severe Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	17.000 - 21.000		
Nickel	Ni %	8.000 - 12.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	485 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A744 Grade CF3	ASTM	USA	Casting
304L	AISI	USA	Bar, Wire, Strip, Slit, Plate, Sheet and Forging
1.4306	DIN	Germany	Cold Rolled, Strips, Slit Coils and Sheets
1.4307	EN	European Union	Rod, Bars, Wire and Forging
304 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 304L	JIS	Japan	Hot Rolled Equal Leg Angles
04CH18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.