

## Material: UNS J92800

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNS J92800 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 %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	17.000 - 21.000		
Nickel	Ni %	9.000 - 13.000		
Molybdenum	Mo %	2.000 - 3.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	485 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A744 Grade CF3M	ASTM	USA	Casting
316L	AISI	USA	Bar, Wire, Strip, Slit, Plate, Sheet and Forging
1.4404	DIN	Germany	Cold Rolled, Strips, Slit Coils and Sheets
1.4404	EN	European Union	Rod, Bars, Wire and Forging
316 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 316L	JIS	Japan	Hot Rolled Equal Leg Angles
03CH17N14M3	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging

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