

Material: UNS J91804

Standard Specification for Cast Chromium Nickel Stainless Steel

Group: Ferrous Stainless Steel Alloys

Sub Group: UNS J91804 Cast Chromium Nickel Stainless Steel

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.060 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	15.500 - 17.500
Nickel	Ni %	3.500 - 5.500
Molybdenum	Mo %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Hardening + Tempering	

Mechanical Properties	
Tensile Strength in Mpa	790 min.
Yield Strength in Mpa	580 min.
Elongation in %	16 min.
Reduction of Area in %	35 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CB6	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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