

# Material: UNS J92805

## Standard Specification for Alloy Steel Casting

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNS J92805 Alloy Steel Casting

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

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.500 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	23.000 - 26.000
Nickel	Ni %	8.000 - 11.000
Molybdenum	Mo %	0.500 max.
Nitrogen	N %	0.200 - 0.300
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92802	UNS	USA	Casting
ASTM A 451 Grade CPE20N	ASTM	USA	Centrifugal Cast Steel Pipes
A351 CE20N	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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