

# 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			Heat Treatment	
Carbon	C %	0.080 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 %	23.000 - 26.000		
Nickel	Ni %	8.000 - 11.000		
Molybdenum	Mo %	0.500 max.		
Nitrogen	N %	0.200 - 0.300		
-	-	-	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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