

Material: UNS J94013

Standard Specification for Alloy steel casting

Group: Ferrous Stainless Steel Alloys

Sub Group: UNS J94013 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 %	0.300 - 0.400	As - Cast	
Silicon	Si %	0.500 - 2.000		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	26.000 - 30.000		
Nickel	Ni %	14.000 - 18.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	240 min.
			Elongation in %	10 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SCH 18	JIS	Japan	Casting
J94003	UNS	USA	Casting
A608 Grade HI 35	ASTM	USA	Casting
SCH 17	JIS	Japan	Casting
J93413	UNS	USA	Casting
A 608 G HE35	ASTM	USA	Casting
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