

Material: UNS J94213

Standard Specification for Alloy Steel Casting

Group: Ferrous Stainless Steel Alloys

Sub Group: UNS J94213 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 %	0.200 - 0.500	As - Cast	
Silicon	Si %	2.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	19.000 - 23.000		
Molybdenum	Mo %	0.500 max.		
Nickel	Ni %	23.000 - 27.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	435 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A608 Grade HN 40	ASTM	USA	Casting
J94214	UNS	USA	Casting
SCH 19	JIS	Japan	Casting
A297 Grade HN	ASTM	USA	Casting
SCH 19	JIS	Japan	Casting
IS 4522 Grade 11	DIN	Germany	Casting
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Customer Care: +91-99090 45075 Email: info@icastllp.com