



Material - ASTM A608 Grade HE 35

Standard Specification for Castings, Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for Heat-Resistant

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A608 Grade HE 35 Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for Heat-Resistant

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 %	8.000 - 11.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	585 min.
			Yield Strength in Mpa	275 min.
			Elongation in %	9 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J93403	UNS	USA	Casting
SCH 18	JIS	Japan	Casting
SCH 17	JIS	Japan	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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