



Material - MSZ 40 CrNiSi 25-20

Standard Specification for Heat-Resisting Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - MSZ 40 CrNiSi 25-20 Heat-Resisting Steel Castings

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	Solution Annealing	
Silicon	Si %	1.000 - 2.500		
Manganese	Mn %	0.500 - 1.500		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	19.000 - 21.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	425 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
SA-351 Grade HK 40	ASME	USA	Casting
310 C 45	BS	British	Casting
A-608 Grade HK 40	ASME	USA	Casting
1.4848	DIN	Germany	Casting
SCH 22	JIS	Japan	Casting
A-567 Grade HK 40	ASTM	USA	Casting
A351 HT30	ASTM	USA	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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