



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - MSZ 40 CrNiSi 25-12

Standard Specification for Heat Resisting Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - MSZ 40 CrNiSi 25-12 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	As - Cast	
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 %	11.500 - 13.500		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	515 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
1.4837	DIN	Germany	Casting
309C30	BS	British	Casting
SCH 13 A	JIS	Japan	Casting
422936	CSN	Czech Republic	Casting
40 CH 24 N 12 SL	GOST	Russia	Casting
J93503	UNS	USA	Casting
A297 Grade HH	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS