GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - MSZ 40 CrNiSi 25-4

Standard Specification for Heat Resisting Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - MSZ 4357 Heat Resisting Steel Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.200 - 0.500
Silicon	Si %	1.000 - 2.500
Manganese	Mn %	0.400 - 1.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	3.500 - 5.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
452 C 11	BS	British	Casting
1.4823	DIN	Germany	Casting
G X 35 Cr 28	UNI	Italy	Casting
J92605	UNS	USA	Casting
G X 40 CrNiSi 27-4	DIN	Germany	Casting
A297 Grade HD	ASTM	USA	Casting
A297 Grade HC	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