



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - DIN G X 40 CrNiSi 27-4

### Standard Specification for Heat Resisting Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 17465 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 %	0.300 - 0.500	As - Cast	
Silicon	Si %	1.000 - 2.500		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	25.000 - 28.000		
Nickel	Ni %	3.000 - 6.000		
Cobalt	Co %	0.500 max.		
Niobium	Nb %	0.200 max.		
Vanadium	V %	0.080 max.		
Tungsten	W %	0.200 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	550 min.
			Yield Strength in Mpa	250 min.
			Elongation in %	3 min.
			Reduction of Area in %	-
			Hardness in HB	200 - 300
			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
40 CrNiSi 25-4	MSZ	Hungary	Casting
J92605	UNS	USA	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](mailto: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**