



Material - DIN 1.4857

Standard Specification for Heat Resisting Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4857 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 %	0.500 - 1.500		
Phosphorus	P %	0.450 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	34.000 - 36.000		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	30 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N08705	UNS	USA	Casting
G X 40 NiCrSi 35-25	DIN	Germany	Casting
40 NiCrSi 35-25	MSZ	Hungary	Casting
G X 50 NiCrSi 35-25	UNI	Italy	Casting
SCH 24	JIS	Japan	Casting
A297 Grade HP	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.