

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		
Carbon	C %	0.300 - 0.500
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

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
-	-	-	-

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