

Material: DIN 1.4837

Standard Specification for Heat Resisting Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4837 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 %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	11.000 - 14.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	220 min.
Elongation in %	6 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J93503	UNS	USA	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
40 CrNiSi 25-12	MSZ	Hungary	Casting
A297 Grade HH	ASTM	USA	Casting

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