

# Material: DIN G X 40 CrNiSi 22-9

## Standard Specification for Heat Resistant Steel Castings

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** DIN G X 40 CrNiSi 22-9 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 - 2.000
Manganese	Mn %	0.500 - 1.500
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	21.000 - 23.000
Nickel	Ni %	9.000 - 11.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	-
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4826	DIN	Germany	Casting
SCH 12	JIS	Japan	Casting
G X 30 CrNi 20-10	UNI	Italy	Casting
AM-X 30 CrNi 20-10	UNE	Spain	Casting
422934	CSN	Czech Republic	Casting
J92603	UNS	USA	Casting
A297 Grade HF	ASTM	USA	Casting

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