

# Material: DIN G X 25 CrNiSi 18-9

## Standard Specification for Heat Resisting Steel Castings

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** DIN G X 25 CrNiSi 18-9 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 %	0.150 - 0.300
Silicon	Si %	1.000 - 2.000
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	8.000 - 10.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	230 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF20	ASTM	USA	Casting
5358	AMS	USA	Casting
422932	CSN	Czech Republic	Casting
J92602	UNS	USA	Casting
G X 16 CrNi 20-10	UNI	Italy	Casting
J92502	UNS	USA	Casting
14825	DIN	Germany	Casting

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