

## Material: UNI G X 16 CrNi 20-10

### Standard Specification for Stainless, Corrosion Resisting Steel Sand Castings

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNI G X 16 CrNi 20-10 Stainless, Corrosion Resisting Steel Sand Castings

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	8.000 - 11.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	28 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
G X 25 CrNiSi 18-9	DIN	Germany	Casting
J92602	UNS	USA	Casting
J92502	UNS	USA	Casting
14825	DIN	Germany	Casting

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