



## 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				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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