



## Material - SFS GX2CrNi19-11

### Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - SFS GX2CrNi19-11 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	9.000 - 12.000		
Nitrogen	N %	0.200 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      210 min. Yield Strength in Mpa      185 min. Elongation in %      30 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      80 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GX2CrNi19-11	BS	British	Plate, Tubes and Forging
1.4309	ISO	International	Casting
GX2CrNi19-11	ISO	International	Casting
A 743 Grade CF-3	ASTM	USA	Casting
A 743 J92500	ASTM	USA	Casting
A 744 Grade CF-3	ASTM	USA	Casting
GX2CrNi19-11	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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