

## Material: JIS SCS 16A

### Standard Specification for Steel Castings for Pressure Purposes

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** JIS SCS 16A 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 %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	17.000 - 21.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	9.000 - 13.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	33 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	183 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
GX2CrNiMo19-11-2	BS	British	Plate, Tubes and Forging
1.4409	ISO	International	Casting
GX2CrNiMo19-11-2	ISO	International	Casting
A 743 Grade CF-3M	ASTM	USA	Casting
A 743 J92800	ASTM	USA	Casting
A 744 Grade CF-8M	ASTM	USA	Casting
GX2CrNiMo19-11-2	MSZ	Hungary	Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)