

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		
Carbon	C %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Quenching or Solution Annealing

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

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