

## Material: JIS SCS 23

### Standard Specification for Austenitic Stainless Steel Castings for General Application

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** JIS SCS 23 Austenitic Stainless Steel Castings for General Application

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

**Grade Belongs to the Industry:** Centrifugal Cast, Steel, Pipes

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	19.000 - 22.000		
Nickel	Ni %	27.500 - 30.000		
Molybdenum	Mo %	2.000 - 3.000		
Copper	Cu %	3.000 - 4.000		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 390 min Yield Strength in Mpa 165 min. Elongation in % 30 min. Reduction of Area in % - Hardness in HB 183 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4500 DIN	DIN	Germany	Casting
SA-351 CN7M	ASME	USA	Casting
G X 5 NiCrCuMo 29-21	UNI	Italy	Casting
F.8417	UNE	Spain	Casting
A744 CN7M	ASTM	USA	Casting
A743 CN7M	ASTM	USA	Casting
A351 CN7M	ASTM	USA	Casting

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