

## Material: JIS SCC 3

### Standard Specification for Steel Castings for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** JIS SCC 3 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 %	0.300 - 0.400	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 520 min. Yield Strength in Mpa 265 min. Elongation in % 13 min. Reduction of Area in % - Hardness in HB 143 min. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 G20Mn5	BS	British	Plate, Tubes and Forging
1.6220	ISO	International	Casting
G20Mn5	ISO	International	Casting
GS-20 Mn 5	DIN	Germany	Casting
SCPH 11-CF	JIS	Japan	Casting
SCW 520-CF	JIS	Japan	Casting
SCW 550	JIS	Japan	Casting

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