

## Material: JIS SCPH 2

### Standard Specification for Steel Castings for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** JIS SCPH 2 Steel Castings for Pressure Purposes

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

**Grade Belongs to the Industry:** Plate, Tubes and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	1.000 max.		
Molybdenum	Mo %	0.250 max.		
Nickel	Ni %	0.500 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 480 min. Yield Strength in Mpa 245 min. Elongation in % 19 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
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-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GP280GH	BS	British	Plate, Tubes and Forging
SCPL 1	JIS	Japan	Plate, Tubes and Forging
A 216 Grade WCC	ASTM	USA	Casting
GP 280 GH	DIN	Germany	Plate, Tubes and Forging
GP 280 GH	MSZ	Hungary	Plate, Tubes and Forging
GP 280 GH	UNI	Italy	Plate, Tubes and Forging
GP 280 GH	UNE	Spain	Plate, Tubes and Forging

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