

Material: JIS SCPH 32

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: JIS SCPH 32 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 %	0.200 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	2.000 - 2.750		
Molybdenum	Mo %	0.900 - 1.200		
Nickel	Ni %	0.500 max.		
Copper	Cu %	0.500 max.		
Tungsten	W %	0.100 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 480 min. Yield Strength in Mpa 275 min. Elongation in % 17 min. Reduction of Area in % 35 min. Hardness in HB - 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 G17CrMo9-10	BS	British	Plate, Tubes and Forging
G17CrMo9-10	ISO	International	Casting
1.7379	ISO	International	Casting
15 CD9.10-M	AFNOR NF	France	Pump, Valve and Fitting
A 217 Grade WC9	ASTM	USA	Casting
A 217 J21890	ASTM	USA	Casting
SCPH 32-CF	JIS	Japan	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com