

Material: BS 10216-2 EN P 195 GH

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 10216-2 Seamless Steel Tubes for Pressure Purposes

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

Belongs to the Industry: Steel and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.130 max.	Normalising Forming	
Silicon	Si %	0.350 max.		
Manganese	Mn %	0.700 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	0.300 max.		
Molybdenum	Mo %	0.080 max.		
Copper	Cu %	0.300 max.		
Aluminium	Al %	0.020 max.		
Niobium	Nb %	0.010 max.		
Titanium	Ti %	0.040 max.		
Vanadium	V %	0.020 max.		
Cr + Cu + Mo + Ni	Cr % + Cu %	0.700 max.		
Iron	Fe %	Balance		
Mechanical Properties				
Tensile Strength in Mpa		320 - 440		
Yield Strength in Mpa		195 min.		
Elongation in %		25 min.		
Reduction of Area in %		-		
Hardness in BHN		-		
Impact in Joule		27 min. @ RT		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.0348	EN	European Union	Steel and Tube
UHI/ P195GH	DIN	Germany	Casting
1.0348	BS	British	Steel and Tube
1.0348	DIN	Germany	Steel and Tube
1004	AS	Australia	Steel and Tube
10848	GOST	Russia	Sheet and Strip
2C10	UNI	Italy	Plate, Sheet, Strip, Coil and Flats

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