

Material: EN P 195 GH

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: EN P 195 GH 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.	Normalizing 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.		
Molybdenum	Mo %	0.080 max.		
Aluminium	Al %	0.020 max.		
Copper	Cu %	0.300 max.	Mechanical Properties	
Niobium	Nb %	0.010 max.	Tensile Strength in Mpa	320 - 440
Vanadium	V %	0.020 max.	Yield Strength in Mpa	195 min.
Iron	Fe %	Balance	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ 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	DIN	Germany	Steel and Tube
1.0348	EN	European Union	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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