

Material: EN 1.7715

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: EN 1.7715 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 %	0.100 - 0.180	Normalizing + Tempering	
Silicon	Si %	0.100 - 0.350		
Manganese	Mn %	0.400 - 0.700		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.300 - 0.600		
Molybdenum	Mo %	0.500 - 0.700		
Vanadium	V %	0.220 - 0.320		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	460 - 610
-	-	-	Yield Strength in Mpa	300 min.
-	-	-	Elongation in %	18 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
1.7715	EN	European Union	Steel and Tube
1.7715	DIN	Germany	Steel and Tube
14MoV63	DIN	Germany	Steel and Tube
13MoCrV6	UNE	Spain	Sheet, Plate and Strip
660-460	BS	British	Sheet and Forging
15128	CSN	Czech Republic	Steel and Tube
KL10	MSZ	Hungary	Steel and Tube

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