



## Material - BS 10216-2 EN 1.7715

### 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 %	0.100 - 0.150	Normalising + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.400 - 0.700		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 - 0.600		
Nickel	Ni %	0.300 max.		
Molybdenum	Mo %	0.500 - 0.700		
Aluminium	Al %	0.040 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.220 - 0.280		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

  

Mechanical Properties	
Tensile Strength in Mpa	460 - 610
Yield Strength in Mpa	320 min.
Elongation in %	18 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
1.7715	EN	European Union	Steel and Tube
1.7715	DIN	Germany	Steel and Tube
14 MoV 6 3	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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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