



Material - BS 660-460

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS 660-460 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Sheet and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.180	Normalising + Tempering	
Silicon	Si %	0.150 - 0.400		
Manganese	Mn %	0.400 - 0.700		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	0.300 - 0.600		
Molybdenum	Mo %	0.500 - 0.700		
Nickel	Ni %	0.400 max.		
Vanadium	V %	0.220 - 0.280		
Aluminium	Al %	0.020 max.		
Copper	Cu %	0.300 max.	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 -	
Tin	Sn %	0.0250 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7715	EN	European Union	Steel and Tube
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
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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.