

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		
Carbon	C %	0.100 - 0.180
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.
Tin	Sn %	0.0250 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
Normalizing + Tempering

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	-

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

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India