

Material: CSN 15423

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: CSN 15423 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel

Chemical Composition		
Carbon	C %	0.170 - 0.230
Silicon	Si %	0.200 - 0.350
Manganese	Mn %	0.300 - 0.500
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	3.000 - 3.500
Molybdenum	Mo %	0.500 - 0.650
Vanadium	V %	0.450 - 0.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	730 - 880
Yield Strength in Mpa	540 min.
Elongation in %	14 min.
Reduction of Area in %	-
Hardness in HB	220 - 270
Impact in Joule	780 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7779	EN	European Union	Steel and Tube
1.7779	DIN	Germany	Steel and Tube
1.7779	DIN	Germany	Steel and Tube
20 CrMoV 13 5	DIN	Germany	Steel and Tube
20 CrMoV 13 5	MSZ	Hungary	Steel
-	-	-	-
-	-	-	-

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