

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			Heat Treatment	
Carbon	C %	0.170 - 0.230	Quenching + Tempering	
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	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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