

Material: AFNOR NF GS-8 MnMo 7 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF GS-8 MnMo 7 4 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.060 - 0.100
Silicon	Si %	0.600 max.
Manganese	Mn %	1.500 - 1.800
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	0.200 max.
Molybdenum	Mo %	0.300 - 0.400
Vanadium	V %	0.100 max.
Niobium	Nb %	0.050 max.
Nitrogen	N %	0.020 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing Forming

Mechanical Properties	
Tensile Strength in Mpa	500 - 650
Yield Strength in Mpa	350 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	80 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.5450	EN	European Union	Casting
1.545	EN	European Union	Casting
1.545	DIN	Germany	Casting
GS-8MnMo7 4	DIN	Germany	Casting
1.543	DIN	Germany	Casting
1.543	DIN	Germany	Casting
GS-8MnMo7 4	UNI	Italy	Casting

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