

Material: DIN GS-8 MnMo 7 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: DIN 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
1.543	DIN	Germany	Casting
1.543	DIN	Germany	Casting
GS-8MnMo7 4	UNI	Italy	Casting
GS-8MnMo7 4	AFNOR NF	France	Casting

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