



Material - UNI GS-8 MnMo 7 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - UNI 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			Heat Treatment	
Carbon	C %	0.060 - 0.100	Normalising Forming	
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	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	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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	AFNOR NF	France	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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