



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			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	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

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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