



Material - DIN X20CrMoV 121

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN X20CrMoV 121 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Forging, Rolling, Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.170 - 0.230	Normalising + Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	10.000 - 12.500		
Molybdenum	Mo %	0.800 - 1.200		
Nickel	Ni %	0.300 - 0.800		
Vanadium	V %	0.250 - 0.350		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 700 - 850 Yield Strength in Mpa 500 min. Elongation in % 16 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 14 J @ RT	
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4922	EN	European Union	Forging, Rolling, Steel and Bar
1.4922	DIN	Germany	Forging, Rolling, Steel and Bar
1.4922	DIN	Germany	Forging, Rolling, Steel and Bar
X20CrMoV121	ISO	International	Forging, Rolling, Steel and Bar
12Cr10MoVNi70.47	MSZ	Hungary	Steel and Tube
762	BS	British	Steel and Tube
X20CrMoNiV11 11	ISO	International	Steel and Tube

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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