GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO 9328-2 20MnMoNi4-5

Standard Specification for Steel Flat Products for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO 9328-2 20MnMoNi4-5 Steel Flat Products for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.150 - 0.230
Silicon	Si %	0.400 max.
Manganese	Mn %	1.000 - 1.500
Phosphorus	P %	0.020 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.012 max.
Chromium	Cr %	0.200 max.
Copper	Cu %	0.200 max.
Molybdenum	Mo %	0.450 - 0.600
Nickel	Ni %	0.400 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	560 - 700
Yield Strength in Mpa	400 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ -20˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SEW 550 20 MnMoNi 4 5	DIN	Germany	Steel
SEW 028 20 MnMoNi 4 5	DIN	Germany	Steel
SEW 550 1.6311	DIN	Germany	Steel
SEW 028 1.6311	DIN	Germany	Steel
210610 20 MnMoNi 4 5	SNV	Switzerland	Steel
10250-3 1.6311	EN	European Union	Steel and Forging
10250-3 20 MnMoNi 4-5	EN	European Union	Steel and Forging

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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