GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-2 15NiCuMoNb5-6-4 I 1.6368

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10028-2 15NiCuMoNb5-6-4 I 1.6368 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.170 max.
Silicon	Si %	0.250 - 0.500
Manganese	Mn %	0.800 - 1.200
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Aluminium	Al %	0.015 min.
Nitrogen	N %	0.020 max.
Chromium	Cr %	0.300 max.
Copper	Cu %	0.500 - 0.800
Molybdenum	Mo %	0.250 - 0.500
Niobium	Nb %	0.015 - 0.045
Nickel	Ni %	1.000 - 1.300
Iron	Fe %	Balance
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	610 - 780
Yield Strength in Mpa	460 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 028 1.6368	DIN	Germany	Steel
SEW 028 15NiCuMoNb5	DIN	Germany	Steel
15 NiCuMoNb 5 S	DIN	Germany	Steel
1.6369	DIN	Germany	Steel
9329-2 9 NiMnMoCrNb 5-4-4	ISO	International	Steel and Tubing
PN/H 84024 15 NCuMNb	PN	Poland	Steel
3604-1 591	B.S.	United Kingdom	Pipe and Tubing

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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