GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-3 1.6228 (15NiMn6)

Standard Specification for Nickel Steels With Specified Low Temperature Properties

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10222-3 1.6228 (15NiMn6) Nickel Steels With Specified Low Temperature Properties

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.180 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.800 - 1.500
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Nickel	Ni %	1.300 - 1.700
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	470 - 640
Yield Strength in Mpa	355 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	65 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
9328-3 15 NiMn 6	ISO	International	Steel, Plate and Strip
EN 10028-4 15 NiMn 6	UNI	Italy	Steel
15 NiMn 6	NBN	Belgium	Steel
EN 10028-4 15 NiMn 6	B.S.	United Kingdom	Steel
EN 10028-4 15NiMn 6	AFNOR NF	France	Steel
EN 10028-4 15 NiMn 6	DIN	Germany	Steel
10028-4 15 NiMn 6	EN	European Union	Steel

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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