GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-3 1.5637 (12Ni14)

Standard Specification for Nickel Steels With Specified Low Temperature Properties

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10222-3 1.5637 (12Ni14) 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 %	0.150 max.
Silicon	Si %	0.350 max.
Manganese	Mn %	0.300 - 0.800
Phosphorus	P %	0.020 max.
Sulphur	S %	0.005 max.
Nickel	Ni %	3.250 - 3.750
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

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
9329-3 12 Ni 14	ISO	International	Steel and Tubing
EN 10028-4 12 Ni 14	UNI	Italy	Steel
12 Ni 14	NBN	Belgium	Steel
EN 10028-4 12 Ni 14	B.S.	United Kingdom	Steel
EN 10028-4 12Ni14	AFNOR NF	France	Steel
EN 10028-4 12 Ni 14	DIN	Germany	Steel
10028-4 12 Ni 14	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.