GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO 9328-2 16Mo3

Standard Specification for Steel Flat Products for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO 9328-2 16Mo3 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 %	0.120 - 0.200
Silicon	Si %	0.350 max.
Manganese	Mn %	0.400 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.012 max.
Chromium	Cr %	0.300 max.
Copper	Cu %	0.300 max.
Molybdenum	Mo %	0.250 - 0.350
Nickel	Ni %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	410 - 570
Yield Strength in Mpa	210 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	31 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10028-2 16 Mo 3	AFNOR NF	France	Steel
EN 10028-2 16 Mo 3	B.S.	United Kingdom	Steel
16 Mo 3	NBN	Belgium	Steel
EN 10028-2 16 Mo 3	UNI	Italy	Steel
EN 10028-2 16 Mo 3	DIN	Germany	Steel
EN 10028-2 1.5415	DIN	Germany	Steel
10273 1.5415	EN	European Union	Steel and Bars

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.