GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 16NiCr4(Pb)

Standard Specification for Structural and Constructional Steels

Group - Ferrous Mild Steel Alloys

Sub Group - Gravity 16NiCr4(Pb) Structural and Constructional Steels

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

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.130 - 0.180
Silicon	Si %	0.150 - 0.300
Manganese	Mn %	0.600 - 1.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.800 - 1.100
Nickel	Ni %	0.800 - 1.100
Lead	Pb %	0.150 - 0.300
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering or Hardening & Tempering

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Yield Strength in Mpa	200 min.
Elongation in %	15 min.
Reduction of Area in %	30 min.
Hardness in HB	130 - 230
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 325 Type 3E	ASTM	USA	Steel
1.735	DIN	Germany	Steel
22 CrMo 4-4	DIN	Germany	Steel
1.2736	DIN	Germany	Steel
55 CrNiMo 4	DIN	Germany	Steel
84024 20 HM	PN	Poland	Steel
SA-325 Type 3E	ASME	USA	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.