GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4367 13Ni13Cr3

Standard Specification for Alloy Steel Forgings for General Industrial Use

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4367 13Ni13Cr3 Alloy Steel Forgings for General Industrial Use

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.100 - 0.150
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	0.400 - 0.700
Nickel	Ni %	3.000 - 3.500
Chromium	Cr %	0.600 - 1.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Stress Reliving, Quenching & Stress Reliving

Mechanical Properties	
Tensile Strength in Mpa	850 min.
Yield Strength in Mpa	-
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	48 J @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 4368 13Ni3Cr80	IS	India	Billets, Blooms and Slabs
IS 4432 13Ni13Cr3	IS	India	Steel
IS 11169 13Ni13Cr3	IS	India	Steel
IS 1570 13Ni13Cr3	IS	India	Steel
G 4102 SNC 815	JIS	Japan	Steel
G 4102 SNC 22	JIS	Japan	Steel
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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.