GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4367 35Ni5Cr2

Standard Specification for Alloy Steel Forgings for General Industrial Use

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4367 35Ni5Cr2 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 %	0.300 - 0.400
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	0.600 - 0.900
Nickel	Ni %	1.000 - 1.500
Chromium	Cr %	0.450 - 0.750
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	700 - 850
Yield Strength in Mpa	540 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	208 - 252
Impact in Joule	55 J @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 4368 35Ni1Cr60	IS	India	Billets, Blooms and Slabs
IS 3930 35Ni5Cr2	IS	India	Steel
IS 9175 35Ni5Cr2	IS	India	Steel
IS 11169 35Ni5Cr2	IS	India	Steel
IS 5517 35Ni5Cr2	IS	India	Steel
IS 1570 35Ni5Cr2	IS	India	Steel
SAE J 1249 3135	AISI	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

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