GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 3445 60Ni5Cr3

Standard Specification for Forged Steel Rolls

Group - Ferrous Mild Steel Alloys

Sub Group - IS 3445 60Ni5Cr3 Forged Steel Rolls

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.550 - 0.650
Manganese	Mn %	0.500 - 0.800
Silicon	Si %	0.100 - 0.350
Nickel	Ni %	1.100 - 1.500
Chromium	Cr %	0.600 - 0.900
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 3445 46Ni5Cr2	IS	India	Steel and Forging
K22033	UNS	USA	Steel
SAE J 1249 3135	AISI	USA	Steel
J 1249 3135	SAE	USA	Steel
J 1249 3120	SAE	USA	Steel
J 1249 3130	SAE	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.