GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A469 Class 6

Standard Specification for Vacuum-Treated Steel Forgings for Generator Rotors

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A469 Class 6 Vacuum-Treated Steel Forgings for Generator Rotors

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.280 max.
Manganese	Mn %	0.600 max.
Phosphorus	P %	0.015 max.
Sulphur	S %	0.015 max.
Silicon	Si %	0.150 - 0.300
Nickel	Ni %	3.250 - 4.000
Chromium	Cr %	1.250 - 2.000
Molybdenum	Mo %	0.300 - 0.600
Vanadium	V %	0.050 - 0.150
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	550 min.
Elongation in %	18 min.
Reduction of Area in %	55 min.
Hardness in HB	-
Impact in Joule	81 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K42885	UNS	USA	Steel
24 NiCrMoV 14-6	DIN	Germany	Steel
1.6952	DIN	Germany	Steel
210610 23 NiCrMoV 14 5	SNV	Switzerland	Steel and Forging
970 En30B	B.S.	United Kingdom	Steel
970-1 835 M 30	B.S.	United Kingdom	Steel
970-2 835 M 30	B.S.	United Kingdom	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.