GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A288 Class 6

Standard Specification for Carbon and Alloy Steel Forgings for Magnetic Retaining Rings for Turbine Generators

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A288 Class 6 Carbon and Alloy Steel Forgings for Magnetic Retaining Rings for Turbine Generators

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.450 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Silicon	Si %	0.150 - 0.350
Nickel	Ni %	1.650 - 3.500
Chromium	Cr %	0.700 - 1.250
Molybdenum	Mo %	0.200 min.
Vanadium	V %	0.070 - 0.120
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	965 min.
Yield Strength in Mpa	860 min.
Elongation in %	14 min.
Reduction of Area in %	40 min.
Hardness in HB	-
Impact in Joule	41 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.6743	DIN	Germany	Steel
32 NiCrMo 10-4	DIN	Germany	Steel
1.6745	DIN	Germany	Steel
970-1 En25	B.S.	United Kingdom	Steel
970-1 826 M 31	B.S.	United Kingdom	Steel
970-2 826 M 31	B.S.	United Kingdom	Steel
36012 F.127	UNE	Spain	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.