GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A288 Class 8

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 8 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	1140 min.
Yield Strength in Mpa	1035 min.
Elongation in %	12 min.
Reduction of Area in %	35 min.
Hardness in HB	-
Impact in Joule	34 @ RT

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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

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