GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A469 Class 4

Standard Specification for Vacuum-Treated Steel Forgings for Generator Rotors

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A469 Class 4 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 %	0.270 max.
Manganese	Mn %	0.700 max.
Phosphorus	P %	0.015 max.
Sulphur	S %	0.015 max.
Silicon	Si %	0.150 - 0.300
Nickel	Ni %	3.000 min.
Chromium	Cr %	0.500 max.
Molybdenum	Mo %	0.200 - 0.600
Vanadium	V %	0.030 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	550 min.
Elongation in %	17 min.
Reduction of Area in %	45 min.
Hardness in HB	-
Impact in Joule	34 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K32723	UNS	USA	Steel
K33125	UNS	USA	Steel
K33370	UNS	USA	Steel
G 5102 SCW 550	JIS	Japan	Casting
G 5201 SCW 570-CF	JIS	Japan	Casting
G 5102 SCW 620	JIS	Japan	Casting
J 1268 4817 H	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

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