GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-439 Grade D-4

Standard Specification for Austenitic Ductile Iron Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-439 Grade D-4 Austenitic Ductile Iron Castings

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

Grade Belongs to the Industry - Castings

Chemical Composition		
Carbon	C %	2.600 max.
Silicon	Si %	5.000 - 6.000
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.080 max.
Nickel	Ni %	28.000 - 32.000
Chromium	Cr %	4.500 - 5.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Stress Relieving or Annealing

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	202 - 273
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F43005	UNS	USA	Castings
1694 GGG-NiSiCr 30 5 5	DIN	Germany	Castings
1694 0.7680	DIN	Germany	Castings
G 5510 FCDA-NiSiCr 30 5 5	JIS	Japan	Castings
A 439 Type D-4	ASTM	USA	Castings
32-301 FGS Ni30 Si5 Cr5	AFNOR NF	France	Castings
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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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