GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4367 36Si7

Standard Specification for Alloy Steel Forgings for General Industrial Use

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4367 36Si7 Alloy Steel Forgings for General Industrial Use

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.330 - 0.400
Silicon	Si %	1.500 - 2.000
Manganese	Mn %	0.800 - 1.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	800 - 950
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	235 - 280
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 4368 37Si2Mn90	IS	India	Billets, Blooms and Slabs
IS 1570 36Si7	IS	India	Steel
17221 1.5023	DIN	Germany	Steel
17221 38 Si 7	DIN	Germany	Steel
EU 89 45 Si 7	EN	European Union	Steel
35-571 40 Si 7	AFNOR NF	France	Steel
37-504 45 S 7	AFNOR NF	France	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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