GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4368 55Si2Mn

Standard Specification for Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4368 55Si2Mn Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.500 - 0.600
Silicon	Si %	1.500 - 2.000
Manganese	Mn %	0.800 - 1.000
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Nickel	Ni %	0.300 max.
Chromium	Cr %	0.250 max.
Molybdenum	Mo %	0.060 max.
Vanadium	V %	0.050 max.
Copper	Cu %	0.300 max.
Tin	Sn %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	235 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
795 40 Si 17 A	STAS	Romania	Steel
795 51 Si 17 A	STAS	Romania	Steel
6742 55 S 2	BDS	Bulgaria	Steel
6742 55 S 2 A	BDS	Bulgaria	Steel
6742 60 S 2	BDS	Bulgaria	Steel
14959 55S2	GOST	Russia	Steel and Bars
14959 55S2A	GOST	Russia	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.