GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A314 S44002

Standard Specification for Stainless Steel Billets and Bars for Forging

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A314 S44002 Stainless Steel Billets and Bars for Forging

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

Grade Belongs to the Industry - Billets, Bars and Forging

Chemical Composition		
Carbon	C %	0.600 - 0.750
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	0.750 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw & Annealing

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

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SAE AMS-QQ-S-763 440 A	AISI	USA	Bars, Wire, Shapes, and Forging
J 412 51440A	SAE	USA	Steel
J 405 51440A	SAE	USA	Steel
A 511 MT440A	ASTM	USA	Steel and Tubing
A 276 440A	ASTM	USA	Bars and Shapes
A 473 440A	ASTM	USA	Steel and Forging
A 595 Type 440A	ASTM	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

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.