GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A314 S41623

Standard Specification for Stainless Steel Billets and Bars for Forging

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A314 S41623 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 %	0.150 max.
Manganese	Mn %	1.250 max.
Phosphorus	P %	0.060 max.
Sulphur	S %	0.060 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	12.000 - 14.000
Selenium	Se %	0.150 min.
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 J 405 416 Se	AISI	USA	Steel
A 473 416 Se	ASTM	USA	Steel and Forging
A 194 Grade 6FSe	ASTM	USA	Steel
A 581 Type 416Se	ASTM	USA	Steel and Wire Rods
A 959 Type 416Se	ASTM	USA	Steel
A 582 Type 416Se	ASTM	USA	Steel and Bars
A 314 416Se	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.