GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A314 S30500

Standard Specification for Stainless Steel Billets and Bars for Forging

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A314 S30500 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 %	0.120 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	10.500 - 13.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw & Solution 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**
G 4309 SUS 305	JIS	Japan	Wire and Forging
D 3698 STS 305	KS	Korea	Plate, Sheet and Strip
SA-276 305	ASME	USA	Bars and Shapes
A 314 305	ASTM	USA	Bars and Forging
A 167 Type 305	ASTM	USA	Plate, Sheet and Strip
A 276 305	ASTM	USA	Bars and Shapes
A 959 Type 305	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.