GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-276 Type 314

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-276 Type 314 Stainless Steel Bars and Shapes

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

Grade Belongs to the Industry - Bars and Shapes

Chemical Composition		
Carbon	C %	0.250 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.500 - 3.000
Chromium	Cr %	23.000 - 26.000
Nickel	Ni %	19.000 - 22.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	310 min.
Elongation in %	30 min.
Reduction of Area in %	40 min.
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S31400	UNS	USA	Steel
BS 1554 314 S 25	B.S.	United Kingdom	Steel and Wire
SEW 470 X15CrNiSi25-20	DIN	Germany	Steel
J 405 30314	SAE	USA	Steel
A 314 314	ASTM	USA	Steel and Bars
A 276 314	ASTM	USA	Bars and Shapes
EU 95 X 15 CrNiSi 25 20	EN	European Union	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.