GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A268 TP446-2

Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A268 TP446-2 Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

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

Grade Belongs to the Industry - Steel and Tubing

Chemical Composition		
Carbon	C %	0.120 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	0.500 max.
Chromium	Cr %	23.000 - 27.000
Nitrogen	N %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	275 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	207 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S44600	UNS	USA	Bars, Wire, Shapes and Forging
G 4309 SUH 446	JIS	Japan	Wire and Forging
6900 X 16 Cr 26	UNI	Italy	Steel
SA-268 Grade TP 446	ASME	USA	Steel and Tubing
A 959 Type 446	ASTM	USA	Steel
A 314 446	ASTM	USA	Bars and Forging
A 580 Type 446	ASTM	USA	Steel and Wire

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.