GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A511 Grade MT304

Standard Specification for Seamless Stainless Steel Mechanical Tubing

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A511 Grade MT304 Seamless Stainless Steel Mechanical Tubing

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	8.000 - 11.000
Chromium	Cr %	18.000 - 20.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	517 min.
Yield Strength in Mpa	207 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRB	192 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S30400	UNS	USA	Steel
A 193 B8	ASTM	USA	Steel
A 193 B8A	ASTM	USA	Steel
A 320 B8	ASTM	USA	Steel
A 511 MT304	ASTM	USA	Steel and Tubing
A 312 TP304	ASTM	USA	Steel and Pipe
A 403 WP 304	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.