GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A423 Grade 2

Standard Specification for Seamless and Electric-Welded Low-Alloy Steel Tubes

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A423 Grade 2 Seamless and Electric-Welded Low-Alloy Steel Tubes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.150 max.
Manganese	Mn %	0.500 - 1.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Copper	Cu %	0.300 - 1.000
Nickel	Ni %	0.400 - 1.100
Molybdenum	Mo %	0.100 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	255 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K11540	UNS	USA	Steel
SA-423 Grade 2	ASME	USA	Tubing
10155 1.8945	EN	European Union	Steel
EN 10155 1.8945	DIN	Germany	Steel
35-564 10 NC 6	AFNOR NF	France	Steel and Bars
35-502 E 36 W-A3	AFNOR NF	France	Steel
4360 WR 50 A	B.S.	United Kingdom	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.