GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J405 S44660

Standard Specification for Chemical Compositions of SAE Wrought Stainless Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - SAE J405 S44660 Chemical Compositions of SAE Wrought Stainless Steels

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	25.000 - 28.000
Nickel	Ni %	1.000 - 3.500
Molybdenum	Mo %	3.000 - 4.000
Nitrogen	N %	0.040 max.
Ti + Nb	Ti% + Nb%	0.200 - 1.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	585 min.
Yield Strength in Mpa	450 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	241 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 176 S44660	ASTM	USA	Plate, Sheet and Strip
A 240 S44660	ASTM	USA	Plate, Sheet and Strip
A 268 26-3-3	ASTM	USA	Steel and Tubing
A 959 Type 26-3-3	ASTM	USA	Steel
SA-240 Type 26-3-3	ASME	USA	Plate, Sheet and Strip
SA-803 26-3-3	ASME	USA	Steel and Tubing
SA-240 UNS S44660	ASME	USA	Plate, Sheet and Strip

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.