GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A473 Type 440B

Standard Specification for Stainless Steel Forgings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A473 Type 440B Stainless Steel Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.750 - 0.950
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	0.750 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRC	269 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S44003	UNS	USA	Steel
SAE AMS-QQ-S-763 440 B	AISI	USA	Steel
AMS-QQ-S-763 440B	AMS	USA	Steel, Bars, Wire, Shapes and Forging
AMS-QQ-S-763 440B	SAE	USA	Steel, Bars, Wire, Shapes and Forging
J 412 51440B	SAE	USA	Steel
A 276 440B	ASTM	USA	Bars and Shapes
SA-276 440B	ASME	USA	Bars and Shapes

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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