GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A479 Type 414

Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A479 Type 414 Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Bars and Shapes

Chemical Composition		
Carbon	C %	0.150 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	11.500 - 13.500
Nickel	Ni %	1.250 - 2.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Tempering

Mechanical Properties	
Tensile Strength in Mpa	795 min.
Yield Strength in Mpa	620 min.
Elongation in %	15 min.
Reduction of Area in %	45 min.
Hardness in HB	321 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S41400	UNS	USA	Steel
SAE AMS-QQ-S-763 414	AISI	USA	Steel
SA-479 Type 414	ASME	USA	Bars ans Shapes
A 314 414	ASTM	USA	Bars and Forging
A 473 414	ASTM	USA	Steel and Forging
A 580 Type 414	ASTM	USA	Steel and Wire
A 959 Type 414	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

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