GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-479 S32205

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-479 S32205 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 %	0.030 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.020 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	22.000 - 23.000
Nickel	Ni %	4.500 - 6.500
Nitrogen	N %	0.140 - 0.200
Molybdenum	Mo %	3.000 - 3.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	450 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	290 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10250-4 1.4462	EN	European Union	Steel and Forging
10250-4 X 2 CrNiMoN 22 5 3	EN	European Union	Steel and Forging
A 270 2205	ASTM	USA	Steel and Tubing
A 276 S32205	ASTM	USA	Bars and Shapes
A 789 S32205	ASTM	USA	Steel and Tubing
A 182 F 60	ASTM	USA	Pipe and Forging
A 959 Type 2205	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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