GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-276 S32202

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-276 S32202 Stainless Steel Bars and Shapes

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 %	0.040 max.
Sulphur	S %	0.010 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	21.500 - 24.000
Nickel	Ni %	1.000 - 2.800
Molybdenum	Mo %	0.450 max.
Nitrogen	N %	0.180 - 0.260
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 min.
Yield Strength in Mpa	450 min.
Elongation in %	30 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**
S32202	UNS	USA	Steel
SA-182 Grade F 66	ASME	USA	Steel and Forging
83161 L 210 H 21 NM	PN	Poland	Steel and Casting
4357 40 CrSi 23	MSZ	Hungary	Steel and Casting
A 182 S32202	ASTM	USA	Steel and Forging
-	-	-	-
-	-	-	-

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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