Material - ASTM A276 S32205

Standard Specification for Stainless steel bars and shapes

Group - Ferrous Stainless Steel Alloys
Sub Group - ASTM A276 S32205 Stainless Steel Bars and Shapes
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Bar and Shapes

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	22.000 - 23.000
Nickel	Ni %	4.500 - 6.500
Molybdenum	Mo %	3.000 - 3.500
Nitrogen	N %	0.140 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution 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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 S32205	ASTM	USA	Plate, Sheet and Strip
J93372	UNS	USA	Casting
A988 S32205	ASTM	USA	Casting
J92205	UNS	USA	Casting
Z3CNUD26.5M	AFNOR NF	France	Casting
A995 1B	ASTM	USA	Casting
A890 1B	ASTM	USA	Casting

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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