

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			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
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		
-	-	-	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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com