



Material - AFNOR NF Z3CNUD26.5

Standard Specification for Duplex Alloy Steel Casting

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF Z3CNUD26.5 Duplex Alloy Steel Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.030 max.	Solution Annealing			
Silicon	Si %	1.000 max.				
Manganese	Mn %	1.500 max.				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.020 max.				
Chromium	Cr %	21.000 - 23.500				
Nickel	Ni %	4.500 - 6.500				
Molybdenum	Mo %	2.500 - 3.500				
Nitrogen	N %	0.100 - 0.300				
Copper	Cu %	1.000 max.				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	690 min.		
-	-	-	Yield Strength in Mpa	485 min.		
-	-	-	Elongation in %	16 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A995 4A	ASTM	USA	Casting
A890 4A	ASTM	USA	Casting
A988 S32205	ASTM	USA	Casting
A988 S32205	ASTM	USA	Casting
J93372	UNS	USA	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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