

1.4362

	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Mo	%N	%Cu
X2CrNiN23-4	-	-	-	-	-	22.00	3.50	0.10	0.05	0.10
	≤0.030	≤1.00	≤2.00	≤0.035	≤0.015	24.50	5.50	0.60	0.20	0.60

STEEL PROPERTIES

1.4362 is an austenitic-ferritic chromium-nickel stainless steel. The yield strength is significantly higher than standard aesthetic steels.

EQUIVALENT GRADES

EN 10088-3	1.4362	X2CrNiN23-4
AISI	S32304	
AFNOR	Z2CN23-04AZ	
UNS	S32304	

APPLICATIONS

1.4362 Grades are used in the paper, petrochemical and fuel industries, chemical, shipbuilding, nitrogen, aerospace, construction, heat and power generation and cryogenic industries.

HEAT TREATMENT

1.4362 is offered in solution treated condition

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Mechanical properties at room temperature for 1.4362 as per EN 10088-3 in the usual delivery condition

Flat products with thickness a	Heat Treatment Condition	Hardness HB max.	0.2% Proof strength MPa. min.	Tensile Strength R _m MPa.	A % Min. Long Products
≤160	+AT	260	400	600-830	25

Physical properties of 1.4362 as per EN 10088-1

Density Kg/dm ²	Mean Coefficient of thermal expansion 10 ⁻⁶ k ⁻¹ Between 20°C and (°C)					Thermal conductivity W/(m.K)	Specific Heat capacity kJ(kg.K)	Electrical resistivity Ωmm ² /m At 20°C	Magnetizability
	100°C	200°C	300°C	-	-				
7.8	13.0	13.5	14.0	-	-	15	-	0.8	Yes