

1.4362 S32304

X2CrNiN23-4	%C	%Si	%Mn	%P	%S	%N	%Cr	%Cu	%Mo	%Ni
	-	-	-	-	-	0.05	22.0	0.10	0.10	3.5
	0.030	≤1.00	≤2.00	0.035	0.015	0.20	24.0	0.60	0.60	5.5

STEEL PROPERTIES

1.4362 S32304 is a duplex stainless steel Lean Duplex. It's a type of stainless steel that is characterized by its unique combination of properties, making it suitable for various applications.

EQUIVALENT GRADES

EN 10088-3	1.4362	X2CrNiN23-4
AFNOR	35N	
JIS	-	
AISI	S32304	
BS	-	

APPLICATIONS

1.4122 S32304 is used in various applications, including industrial equipment, pump and valve components, cutlery, blades, and some automotive components where a combination of corrosion resistance and mechanical strength is required.

HEAT TREATMENT

1.4362 S32304 is supplied in annealed +AT.

Mechanical Values for 1.4362 S32304 at room temperature in EN 10088-3: 2014 in conditions 1C, 1E, 1D, 1X, 1G, 2D

Diameter (mm)	Heat Treatment Condition	Hardness HB max.	0.2% Proof strength min.	Tensile Strength Rm Mpa	Elongation after fracture A % Min.		Impact Energy (ISO-V) KV J Min.	
					(long)	(tr.)	(long)	(tr.)
≤160	+AT	260	-	-	-	-	-	-
-	-	-	400	600 to 830	25	-	100	-

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Mechanical Values for 1.4362 S32304 Bright Bars at room temperature in EN 10088-3:2014 in conditions 2H, 2B, 2G, 2P

Diameter (mm)	Annealed		Heat Treatment Condition	0.2 % Proof strengt hmin.	Tensile Strength Rm Mpa	A5 % Min Elongation		Impact Energy (ISO-V) KV J Min.	
	Rm Mpa Max	HB Max				(long)	(tr.)	(long)	(tr.)
≤10	400	215	+AT	330	600 to 930	25	-	-	-
10 <t ≤ 16	380	215	+AT	300	600 to 930	25	-	-	-
16 <t ≤ 40	175	215	+AT	280	500 to 830	30	-	100	-
40 <t ≤ 63	175	215	+AT	280	500 to 830	30	-	100	-
63 <t ≤ 160	175	215	+AT	265	500 to 700	45	-	100	-

PRODUCTS OFFERED

- PEELED BARS
- BRIGHT BARS
- HEXAGONS
- SQUARES
- FLAT BARS
- WIRES