

1.4410 S32750

X2CrNiMoN25-7-4	%C	%Si	%Mn	%P	%S	%Cr	%N	%Mo	%Nb	%Ni
	-	-	-	-	-	24.0	0.24	3.0	-	6.0
	0.030	1.00	2.00	0.035	0.015	26.0	0.35	4.5	-	8.0

STEEL PROPERTIES

1.4410 S32750 is a super duplex stainless steel known for its exceptional combination of corrosion resistance and high mechanical strength. It is used in demanding applications where regular austenitic or duplex stainless steels might not provide adequate performance.

EQUIVALENT GRADES

EN 10088-3	1.4410	X2CrNiMoN25-7-4
AFNOR	Z5CND20.10M	
JIS	SCS14A	
AISI	S32750	
BS	-	

APPLICATIONS

1.4410 S32750 is used in demanding applications, including offshore and marine equipment, oil and gas industry components, chemical processing equipment, heat exchangers, and high-strength structural components in construction.

HEAT TREATMENT

1.4410 S32750 is supplied in annealed +AT conditions.

Mechanical Values for 1.4410 S32750 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 R _m Mpa	Elongation after fracture A % Min.		Impact Energy (ISO-V) KV J Min.	
					(long)	(tr.)	(long)	(tr.)
	+AT	245	-	Max 800	-	-	-	-
<= 160	-		650	850 to 1000	10	-	12	-

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Mechanical Values for 1.4410 S32750 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 strength min.	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	305	+AT	450	600 to 930	25	-	-	-
10<t<=16	380	305	+AT	420	580 to 930	25	-	-	-
16<t<=40	200	280	+AT	400	500 to 830	30	-	100	-
40<t<=63	200	260	+AT	400	500 to 830	30	-	100	-
63<t<=160	200	245	+AT	380	500 to 700	40	-	100	-

PRODUCTS OFFERED

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