

1.4460 329

X3CrNiMo27-5-2	%C	%Si	%Mn	%P	%S	%N	%Cr	%Mo	%Nb	%Ni
	-	-	-	-	-	0.05	25.0	1.30	-	4.5
	0.05	1.00	2.00	0.035	0.030	0.20	28.0	2.00	-	6.5

STEEL PROPERTIES

1.4460 329 or UNS S32900, is a duplex stainless steel that offers a combination of excellent corrosion resistance and high strength. It is used in applications where both properties are critical.

EQUIVALENT GRADES

EN 10088-3	1.4460	X3CrNiMo27-5-2
AFNOR	X2CrNiMo27-7-3	
GOST	-	
AISI	329	
BS	-	

APPLICATIONS

1.4460 329 is used in a range of applications, including oil and gas industry components, chemical processing equipment, heat exchangers, and high-strength structural components in construction. It is chosen in situations where a combination of corrosion resistance and high mechanical strength is essential.

HEAT TREATMENT

1.4460 329 is supplied in annealed +AT conditions.

Mechanical Values for 1.4460 329 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.)
-	+AT	-	-	Max 800	-	-	-	-
<= 160	-	260	450	620 to 880	20	-	85	-

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Mechanical Values for 1.4460 329 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	610	305	+AT	360	770 to 1030	12	-	-	-
10<t<=16	560	305	+AT	335	770 to 1030	12	-	-	-
16<t<=40	460	280	+AT	310	620 to 950	15	-	85	-
40<t<=63	460	260	+AT	295	620 to 950	15	-	85	-
63<t<=160	460	245	+AT	295	620 to 880	20	-	85	-

PRODUCTS OFFERED

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