

## 1.4404 316L

X2CrNiMo17-12-2	%C	%Si	%Mn	%P	%S	%Cr	%N	%Mo	%Nb	%Ni
	-	-	-	-	-	16.5	-	2.00	-	10.0
	0.030	1.00	2.00	0.045	0.030	18.5	0.11	2.50	-	13.0

### STEEL PROPERTIES

1.4404 316L is an austenitic stainless steel that is closely related to 1.4401 (AISI 316). It is characterized by its excellent corrosion resistance, particularly in chloride-containing environments.

### EQUIVALENT GRADES

EN 10088-3	1.4404	X2CrNiMo17-12-2
AFNOR	Z3CND19.10M	
JIS	SUS 316L	
AISI	316L	
BS	316S12	

### APPLICATIONS

1.4404 316L is used in a wide variety of applications, similar to 1.4401 (AISI 316). Common applications include chemical and pharmaceutical equipment, food processing equipment, marine and offshore applications, medical devices, and various industrial equipment where corrosion resistance and formability are important.

### HEAT TREATMENT

1.4404 316L is supplied in annealed +AT conditions.

### Mechanical Values for 1.4404 316L 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 <sub>m</sub> Mpa	Elongation after fracture A % Min.		Impact Energy (ISO-V) KV J Min.	
					(long)	(tr.)	(long)	(tr.)
<= 160	+AT	215	200	-	40	-	100	-
160 < t < 250	-		-	500 to 700	-	30	-	60

## 1.4404 316L

**Mechanical Values for 1.4404 316L 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	165	600 to 930	25	-	-	-
10<t<=16	380	305	+AT	150	580 to 930	25	-	-	-
16<t<=40	200	280	+AT	137	500 to 830	30	-	100	-
40<t<=63	200	260	+AT	127	500 to 830	30	-	100	-
63<t<=160	200	245	+AT	119	500 to 700	40	-	100	-

### PRODUCTS OFFERED

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