

## 1.4006 410

X12Cr13	%C	%Si	%Mn	%P	%S	%Cr	%Cu	%Mo	%Nb	%Ni
	0.08	-	-	-	-	11.5	-	-	-	-
	0.15	1.00	1.50	0.040	0.015	13.5	-	-	-	0.75

### STEEL PROPERTIES

1.4006 410 is a martensitic stainless steel, also known as AISI 410 or X12Cr13. It's a versatile stainless-steel grade with various applications.

### EQUIVALENT GRADES

EN 10088-3	1.4006	X12Cr13
AFNOR	-	
JIS	SUS410	
AISI	410	
BS	-	

### APPLICATIONS

1.4006 410 is used in various applications, including cutlery, surgical instruments, valves, pumps, shafts, fasteners, gears, and parts for the automotive, aerospace, and general engineering industries.

### HEAT TREATMENT

1.4006 410 is supplied in annealed +A and +QT conditions.

### Mechanical Values for 1.4006 410 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.)
-	+A	220	-	Max 730	-	-	-	-
160	+QT 650	-	450	650 to 850	15	-	25	-

## 1.4006 410

**Mechanical Values for 1.4006 410 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	880	280	+QT 650	550	700 to 1000	9	-	-	-
10<t<=16	880	280	+QT 650	500	700 to 1000	9	-	-	-
16<t<=40	800	250	+QT 650	450	650 to 930	10	-	25	-
40<t<=63	760	230	+QT 650	450	650 to 880	10	-	25	-
63<t<=160	730	220	+QT 650	450	650 to 850	15	-	25	-

### PRODUCTS OFFERED

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