

1.4016 430

X6Cr17	%C	%Si	%Mn	%P	%S	%Cr	%Cu	%Mo	%Nb	%Ni
	-	-	-	-	-	16.0	-	-	-	-
	0.08	1.00	1.00	0.040	0.030	18.0	-	-	-	-

STEEL PROPERTIES

1.4016 430 also known as X6Cr17, is a martensitic stainless steel with a range of Properties that make it suitable for various applications.

EQUIVALENT GRADES

EN 10088-3	1.4016	X6Cr17
AFNOR	Z8C17	
BS	430S15	
JIS	SUS430	
AISI	430	

APPLICATIONS

1.4016 430 is used in various applications, including automotive trim, kitchen equipment, household appliances, decorative components, fasteners, and architectural applications. Its resistance to atmospheric corrosion makes it suitable for outdoor applications.

HEAT TREATMENT

1.4016 430 is supplied in annealed +A.

Mechanical Values for 1.4016 430 at room temperature in EN 10088-3: 2014 inconditions 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	200	-	-	-	-	-	-
100	-	-	240	400 to 630	20	-	-	-

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Mechanical Values for 1.4016 430 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	450	150	+A	320	500 to 750	8	-	-	-
10 <t ≤ 16	450	200	+A	300	480 to 750	8	-	-	-
16 <t ≤ 40	500	200	+A	240	400 to 700	15	-	-	-
40 <t ≤ 63	450	200	+A	240	400 to 700	15	-	-	-
63 <t ≤ 100	450	200	+A	240	400 to 630	20	-	-	-

PRODUCTS OFFERED

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