

## 1.4105 430F

X6CrMoS17	%C	%Si	%Mn	%P	%S	%Cr	%Cu	%Mo	%Nb	%Ni
	-	-	-	-	0.15	16.00	-	0.20	-	-
	0.08	1.50	1.50	0.040	0.35	18.00	-	0.60	-	-

### STEEL PROPERTIES

1.4105 430F belongs to stainless steel ferritic family. It is normally supplied in the annealed condition. 1.4105 has high machinability compared to 1.4016 steel. The addition of sulphur, however, reduces the corrosion resistance.

### EQUIVALENT GRADES

EN 10088-3	1.4105	X6CrMoS17
AFNOR	Z8CF17	
JIS	SUS 430F	
AISI	430F	

### APPLICATIONS

1.4105 430F is typically used in the automotive industry, stems for vales, shafts for pumps, pneumatic shafts.

### HEAT TREATMENT

1.4105 430F is supplied in annealed +A conditions.

### Mechanical Values for 1.4105 430F 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.)
100 Max	+A	200	250	430 to 630	20	-	-	-

## 1.4105 430F

**Mechanical Values for 1.4105 430F 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 R <sub>m</sub> Mpa	A5 % Min Elongation		Impact Energy (ISO-V) KV J Min.	
	R <sub>m</sub> Mpa Max	HB Max				(long)	(tr.)	(long)	(tr.)
≤10	-	-	+A	320	500 to 750	7	-	-	-
10 <t ≤ 16	-	-	+A	310	500 to 780	7	-	-	-
16 <t ≤ 40	-	-	+A	250	430 to 730	12	-	-	-
40 <t ≤ 63	-	-	+A	250	430 to 730	12	-	-	-
63 <t ≤ 100	-	-	+A	250	430 to 630	20	-	-	-

### PRODUCTS OFFERED

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