

1.4037 440A

X65Cr13	%C	%Si	%Mn	%P	%S	%N	%Cr	%Cu	%Mo	%Nb	%Ni
	0.58	-	-	-	-	-	12.5	-	-	-	-
	0.70	1.00	1.00	0.040	0.015	-	14.5	-	-	-	-

STEEL PROPERTIES

1.4037 is a martensitic stainless steel with high carbon content, known for its excellent hardness and corrosion resistance.

EQUIVALENT GRADES

EN 10088-3	1.4037	X65Cr13
AFNOR	-	
ASTM	-	
JIS	-	
AISI	440A	

APPLICATIONS

1.4037 is a martensitic stainless steel known for its high hardness, moderate corrosion resistance, and wear resistance. It is widely used in industries where strength and durability are essential.

HEAT TREATMENT

1.4037 440A is supplied in annealed +A.

Mechanical Values for 1.4037 440A 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 R _m Mpa	Elongation after fracture A % Min.		Impact Energy (ISO-V) KV J Min.	
					(long)	(tr.)	(long)	(tr.)
-	+A	265	-	-	-	-	-	-
100	-	-	-	840 Max	-	-	-	-

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Mechanical Values for 1.4037 440A Bright Bars at room temperature in EN 10088-3:2014 in conditions 1C,1E,1D,1X,1G & 2D

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	-	-	-	-	-	-	-	-	-
10<t<=16	-	-	-	-	-	-	-	-	-
16<t<=40	-	-	-	-	-	-	-	-	-
40<t<=63	-	-	-	-	-	-	-	-	-
63<t<=160	-	-	-	-	-	-	-	-	-

PRODUCTS OFFERED

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