

## Chrome plated Steel bars AISI 431QT Technical Properties.

- **Diameter Tolerance** Standard is ISO-f7. We can provide special tolerance at premium price.
- **Roundness** – max ½ from the diameter tolerance (½ tol.f7).
- **Surface Roughness** is Ra = max 0.20 µm.
- **Surface Hardness** – Chrome Layer hardness is 800-1000 HV0,1.
- **Straightness** is max 0,7 [mm]/1000 [mm] .
- **Chrome Layer thickness** is minimum 20[µm].

## Chrome plated steel bars AISI 431QT corrosion resistance.

- **Standard Corrosion Resistance** is R10/600h according to NSS tests.
- **We can provide higher layer or double chrome layer at premium price.**

## Steel grade correspondents table AISI 431QT800.

EN	AISI	Werkstoff	BS	AFNOR	SS
X17CrNi16-2	431	1.4057	431S29	Z15CN16-2	2321

## Chemical Composition table AISI 431QT according to EN 10088-3 : 2005

C	Si	Mn	P	S	Cr	Ni
0.12	Max	Max	Max	Max	15.0	1.50
0.22	1.00	1.50	0.040	0.030	17.0	2.50

## Mechanical Properties table AISI 431QT800 according to EN 10088-3 : 2005

Tensile Strength	Yeld Point	Elongation	Charpy Test
Rm (N/mm2)	Rp02 (N/mm2)	A5 (%)	Kv +20°C
800-950	Min. 600	Min.12	Min. 20J

Standard packaging is made with plastic sleeves or cardboard tubes (depending on the product's diameter).

As an Extra protection with additional cost we can provide also wooden boxes.