



## HV03

### **Hard chrome plated barsteel of stainless steel AISI 431**

#### **General**

Hard chrome plated barsteel of stainless steel AISI 431.  
The bars are ready to use and have a diameter tolerance of f7.  
The chrome layer thickness has minimum 20 µm.  
The surface roughness (Ra) is maximum 0,2 µm (cut-Off 0,8 mm).  
The surface hardness is minimum 900 HV.

The hard chrome plated bars will be mainly used as pistonrods for hydraulic and pneumatic cylinders.

#### **Mechanical properties**

Yieldstrength :  $\geq 600 \text{ N/mm}^2$   
Tensile strength :  $800\text{-}950 \text{ N/mm}^2$   
Elongation (A5) min. % :  $\geq 14\%$

#### **Out of roundness**

Maximum 1/2 of the diameter tolerance.

#### **Straightness**

For diameters  $\geq 30 \text{ mm}$ : maximum deviation of 0,2 mm per 1000 mm  
( $< 30 \text{ mm}$ : 0,3 mm per 1000 mm).

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