



**WINTRADE** S.r.l.  
CHROME PLATED BARS • STEEL TUBES • SPECIAL STEELS

# AISI 329 (Duplex)

**W.1.4460**  
**25my chromed bar**

According to EN 10088

Corrosion Resistance

ISO 9227 NSS Rating 9 ≥ 2500 h

Chemical analysis

C	Mo	Mn	Si	P	S	Cr	N	Ni
≤0,05	2,50±3,5	≤2,00	≤1,00	≤0,035	≤0,015	25,00±28,00	≤0,20	4,5±6,50

### Mechanical properties at room temperature

Base material	Diameter Ø mm.	Rp0,2 min. N/mm <sup>2</sup>	Rm N/mm <sup>2</sup>	A min. %	Kv +20° (J) min.	HB max.
Treatment: +A		450	620±800	20	85	260

Tolerance: ISO f7

Diameter range: diam. 2 - 1000 mm

Surface roughness: Ra - max. 0,20 µm (statistical average 0,05 – 0,15 µm)

Chromium thickness: Ø < 20 mm = min. 15 µm Ø ≥ 20 mm = min. 20 µm

Chromium hardness: min. 900 HV

### General properties and applications

**AISI 329 chromed bar** can be used for hydraulic cylinder in marine application or anywhere you need good corrosion resistance.

The steel grade W.1.4460 (also called AISI 329) is a stainless, acid resistant, duplex steel with improved machinability.

It's suitable for production of details with complete machining, thanks to the improved machinability.

The steel has a good corrosion resistance, particularly in chloride-bearing environments and it is extra resistant to pitting, crevice, stress cracking and fatigue corrosion. It has also high strength and toughness.