

HV10

Hard chrome plated barsteel from stainless steel

AISI 329

Material AISI 329 (duplex) is a austenetic-ferritic stainless that has a much better corrosion-resistance in comparising with AISI 431. AISI 329 has, compared to AISI 316, a much better resistance against tension-corrosion and much better mechanical properties.

General

Hard chrome plated barsteel from stainless steel AISI 329 (materialnumber 1.4460).

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 in minimum 900 HV.

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

Mechanical properties	329	431	TiRun 500 280/20MnV6
Yieldstrength N/mm ²	≥ 490	≥ 600	≥ 400
Tensile strength N/mm ²	640-900	800-950	550-700
Elongation (A5) min. %	≥ 25	≥ 14	≥ 19

Out of roundness

Maximum 1/2 of the diameter tolerance.

Straightness

For diameters ≥ 30 mm: maximum deviation of 0,2 mm per 1000 mm
(< 30 mm: 0,3 per 1000 mm).

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