


Hard chrome plated induction hardened barsteel
Cromax® 482 / 38MnVS6
articlecode: **371**

General

Hard chrome plated barsteel induction hardened Cromax® 482 / 38MnVS6
 The bar is ready to use and has a diameter tolerance of f7.
 The thickness of the chrome layer is minimum 20 µm; sizes <20 mm
 minimum 15 µm. The surface roughness (Ra) is maximum 0,2 µm (cut-off 0,8 mm).
 The surface hardness is minimum 800HV.

The hard chromium plated bars will be mainly used as piston rods for hydraulics cylinders,
 but there are many more applications like bars for liniair movement.
 In an aggressive environment, like the process industry, in the mining
 industry, along the shore, on the roads and in the offshore-industry,
 one could use bars of chrome plated stainless steel bars or nickel chrome plated bars.

The lengths are about 6 meter, cutting on request.

Chemical analysis (average)

| C% | Si% | Mn% | V% |
|------|------|------|------|
| 0,39 | 0,40 | 1,25 | 0,13 |

Mechanical properties

| | |
|-----------------------------------|----------|
| Yieldstrength N/mm ² | ≥ 520 |
| Tensilestrength N/mm ² | 800-1000 |
| Elongation (A5) min. % | ≥ 12 |
| Hardness HB | 250-300 |

The induction hardened surface of the base material has a hardness of
 minimum 55 HRC.

| Diameters in mm | Hardening depth in mm |
|-----------------|-----------------------|
| ≤ 40 | 1 - 1,8 |
| > 40 | 1,0 - 2,5 |

Out of roundness

Maximum 1/2 of the diameter tolerance

Straightness

Deviation diam. ≤ 160 mm: max. 0,3 : 1000 mm and > 160 mm: max. 0,5 mm : 1000 mm

Weldability

We advise: preheating 200° - 300° C.

Packaging

In yellow plastic sleeve+box or cardboard tube / bundle

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| | Diameter | | Kg/m | |
|---|---|-------------------------------|-------|--------------------|
| | mm | inch | | |
| Hard chrome plated induction hardened barsteel - Cromax® 482/38MnVS6 | Induction hardened Cromax® 482 / 38MnVS6 | | | |
| | 70 f8 | | 30,20 | (voorheen 0794820) |
| | 90 f8 | | 49,94 | |
| | 25 | | 3,85 | (voorheen 0794810) |
| | 30 | | 5,55 | |
| | 32 | | 6,31 | |
| | 35 | | 7,55 | |
| | 40 | | 9,86 | |
| | 45 | | 12,48 | |
| | 50 | | 15,41 | |
| | 50,8 | 2" | 15,90 | |
| | 55 | | 18,70 | |
| | 56 | | 19,34 | |
| | 60 | | 22,19 | |
| | 63 | | 24,47 | |
| | 70 | | 30,20 | |
| | 80 | | 39,46 | |
| | 90 | | 49,94 | |
| | 100 | | 61,65 | |
| | 110 | | 74,60 | |
| | | Other sizes on request | | |

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All mentioned sizes have a deliverytime of minimum 1 week s.b.u.

Although Van Leeuwen Precisie B.V. is carefully composing the pricelist, every responsibility concerning the offered information is excluded. For actual prices please consult our online gross-pricelist on the internet site www.vanleeuwen-precisie.nl.