

HonBar

HARD CHROMIUM PLATED BAR



TECHNICAL PROPERTIES

Standard tolerance is ISO f7 which is suitable for all kinds of packing and seal systems. Tolerances as h6, h7, h8 in addition to any requested tolerance can also be produced.

Precise diameter and tolerance values are achieved through the whole production line using a continuous laser diameter check unit and high accuracy tolerance measuring equipment. Conducting tolerance measurements at different stages, bar's tolerance values are made sure to be precise point by point through the all length.

Hard chromium plated bars are produced directly from hot-rolled main materials. By means of 5 blade peeling machine with full automatic adjustment Tungsten carbide tools every requested diameter and every tolerance can be produced.

The ovality value is the one thirds of the diameter tolerance value.



HARD CHROMIUM PLATED BARS TECHNICAL PROPERTIES

MAIN MATERIAL HARDNESS	180 - 230 HB
THICKNESS OF HARD CHROMIUM LAYER	20 Microns
HARDNESS OF CHROMIUM	Hv 800 - 1000
STRAIGHTNESS	0.05/1000 mm
SURFACE ROUGHNESS	Ra 0.10 - 0.20 Microns
TOLERANCE OF DIAMETER	ISO f7
STANDARD LENGTH OF BARS	Between 5 - 6.5 meters
ROUNDNESS	1/2 Diameter tolerance
OVALITY	1/3 Diameter tolerance

LENGTH OF BARS

Standard length for bars is between 16.4' and 21.3' (5 m to 6.5 m). All metric and imperial lengths are available up to 45.9' (14m)

Standard Lengths of Bars

Dia 6 mm to 12 mm	3.000 mm - 4.000 mm
Dia 14 mm to 160 mm	5.000 mm - 7.000 mm
By request	< 14.000 mm

CERTIFICATION

In HonBar laboratories, quality certificates are prepared by our chemical and metallurgy engineers. Every quality certificate includes;

- * Chemical analysis of steel producer
- * Full technical details of tolerance, plating, hardness of main material and plating, packing
- * Full analysis of Mechanical properties
- * Heat number
- * Invoice number
- * Supplied quantity
- * **According to EN 10204/3.1 b**