

# HONBAR

HARD CHROMIUM PLATED BAR

## HYDRAULIC CYLINDER TUBES



[www.honbar.com.tr](http://www.honbar.com.tr)

## COLD DRAWN SEAMLESS STEEL TUBES



**\* Cold Drawing Available For Diameters:**

6mm to 400 mm

**\* Cold Drawing Available For Lengths:**

2 m to 14 m



*\* Annual cold drawing capacity 10 000 tons*

## Cold Drawing Tubes For Hydraulic Telescopic Cylinders

### Main material:

*Seamless St52 E 355 SR or St 52 BK S*

Mono action telescopic for trucks Inner surface is ready for to use and the ID tolerance is  $0,00 + 0,20$  mm

Outer diameter comes with 2 mm remove stock for machining, grinding and chrome plating purposes.



### In-stock Standard Sizes are as Follows:

36 x 57 mm
60 x 77 mm
80 x 97 mm
100 x 117 mm
120 x 137 mm
140 x 162 mm
165 x 188 mm
190 x 215 mm

Short lenght telescopic tubes, for agricultural machinery and other uses, are also available.

Inner surfaces of these tubes are ready-to-use and Outer diameter comes with 1 mm remove stock for machining , grinding and chrome plating purposes.



1- 50 x 61 mm
2- 65 x 76 mm
3- 80 x 91 mm
4- 95 x 106 mm
5- 110 x 126 mm
6- 130 x 145 mm

Double action telescopic cylinders, for garbage trucks and other purposes, ae also avilable. Inner surfaces of these tubes are honed or burnished to have Ra 0,4-0,8 micron roughness. Outer surfaces have 2 mm remove stock for machining , grinding and chrome plating purposes.



63 H8 mm x 77 mm
90 H8 mm x 107 mm
120 H8 mm x 137 mm



## READY FOR HONING TUBES



### Main material:

*St52 BK+S (E355 SR)*

After cold drawing the tubes are subjected to stress relief heat treatment.

*We offer 2 types of production*

*\* Ready for honing tubes: ID tolerance -0,2 mm -0,3 mm*

*\* Ready for burnishing tubes: ID tolerance -0,6 mm – 0,9 mm*

*Please see H8 Tube sizes.*

The tubes are cold drawn, heat treated and straightened (1/1000)

### **Diameter range:**

50 mm to 400 mm

Standard length is 6m-9m;

We offer tubes upto 14 meters by request.



Hydraulic cylinder tubes ID burnished, H8 seamless steel tubes are for hydraulic cylinders.

**Standart Length:**

6m -9 m (tubes upto 14m are available by request )

*Diameter:* 50 mm to 400 mm

**Surface Raughness:**

0,4 micron – 0,8 micron Inner surfaces of the tubes are oiled for to prevent oxidation six months.



40x50 mm	100x125mm	160x185mm
50x60 mm	110x125mm	160x190mm
50x65 mm	110x130mm	170x200mm
60x70 mm	115x130mm	180x200mm
60x75 mm	120x135mm	180x210mm
60x80 mm	120x140mm	190x215mm
70x80 mm	120x145mm	200x220mm
70x85 mm	125x140mm	200x230mm
70x90 mm	125x150mm	200x245mm
75x90 mm	130x150mm	220x245mm
80x90 mm	130x160mm	220x270mm
80x95 mm	140x160mm	250x280mm
80x100mm	140x170mm	250x300 mm
90x105mm	140x165mm	280x325 mm
90x110mm	150x170mm	300x350mm
100x115mm	150x180mm	320x377mm
100x120mm	160x180mm	350x400mm

**CIRQUIT PIPES FOR OIL TRANSFERING**

**Main materials** St 37.4 seamless steel tubes.

This cirquit pipe has normalized condition after cold drawing.

To band is very easy and during the bending they have not cracks bcs of normalized.

6 x 1 mm	14 x 2mm	22 x 2 mm
8 x 1 mm	15 x 15mm	25 x 2 mm
10 x 1 mm	15 x 2mm	25 x 2,5 mm
10 x 1,5 mm	16 x 2 mm	28 x 2 mm
12 x 1,5 mm	18 x 1,5 mm	30 x 3 mm
12 x 2 mm	18 x 2 mm	35 x 3 mm
14 x 1,5mm	20 x 2 mm	42 x 3 mm




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