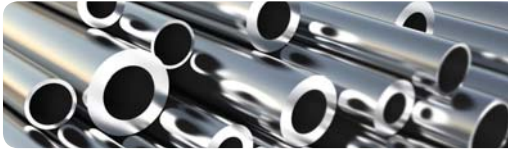




Operating Elements

- Hard Chrome Plated Bars
- Indexing Plungers
- Clamping Levers
- Cold-drawn H8 Honed Tubes
- Spring Plungers
- Handles
- Fitting Keys
- Handwheels
- Clamping Knobs

The range of operating elements included in our standard components selection includes product lines such as fitting key, hard chrome plated bar, cold-drawn seamless H8 honed tube, clamping levers, handles, clamping knobs, indexing plungers, spring plungers, handwheels and hinges. You can obtain these standard elements from our stocks with Guvenal Quality Assurance Label.



Cold-drawn, Seamless H8 Honed Tube

All Cold Drawn Tubes are made of seamless and "St52" main material and stress relieving treatment is made. We offer 2 kinds of standard products. Standard lengths are 6 and 9 metres and custom production up to 14 metres can be made.

Code: H8B **Cold-drawn, Seamless H8 Honed Tube:** The outer surface is cold drawn, the inner surface is smooth honed and manufactured in H8 tolerance. Internal surface roughness is produced at Ra 04-08 micron values. You can obtain Honed Pipes from our stocks for the specified standard diameters.

Code: H9B **Ready to use Tube-H9:** Its inner surface is produced in H9 tolerance. The tubes are roller-burnished.

Code: H8B

Cold-drawn Seamless Tubes custom-made on request:

Code: HYB

Hydraulic Line Tube (HYB): The tubes are made of seamless and "St37.4" material. Custom production is made according to your requests.

Code: TTB

Single Acting Telescopic Tube (TTB):
ID x OD (diameters - mm); 36 x 57 / 60 x 77 / 80 x 97 / 100 x 117 / 120 x 137 / 140 x 162 / 165 x 188 / 190 x 215.
Custom production is made according to your requests.

* Dimension tables are valid for both products (H8B & H9B).

Inner Diameter	Outer Diameter	Kg / 1 Metre
40 mm	50 mm	5.55
50 mm	60 mm	6.80
	65 mm	10.63
60 mm	70 mm	8.10
	75 mm	12.50
	80 mm	18.00
63 mm	75 mm	10.21
	78 mm	13.10
65 mm	80 mm	13.41
70 mm	80 mm	9.30
	85 mm	14.40
	90 mm	19.93
75 mm	90 mm	15.26
80 mm	90 mm	10.49
	95 mm	16.19
	100 mm	22.20
85 mm	100 mm	17.11
90 mm	105 mm	18.04
	110 mm	24.70
100 mm	115 mm	12.95
	120 mm	22.13
	125 mm	36.68
110 mm	125 mm	21.74
	130 mm	29.60
115 mm	130 mm	22.66
	135 mm	30.83

Inner Diameter	Outer Diameter	Kg / 1 Metre
120 mm	135 mm	23.59
	140 mm	32.06
	145 mm	40.85
	150 mm	49.94
125 mm	140 mm	24.51
	145 mm	33.30
	150 mm	42.39
130 mm	150 mm	34.53
	160 mm	53.64
135 mm	160 mm	45.47
140 mm	160 mm	37.00
	165 mm	47.10
	170 mm	57.34
145 mm	175 mm	59.25
150 mm	170 mm	39.47
	180 mm	61.04
160 mm	180 mm	41.93
	185 mm	53.18
	190 mm	64.74
170 mm	200 mm	68.44
180 mm	210 mm	72.14
	220 mm	98.65
190 mm	230 mm	103.58
200 mm	220 mm	51.79
	230 mm	79.53
	245 mm	123.46
220 mm	270 mm	151.20
250 mm	300 mm	169.54
320 mm	377 mm	244.93
350 mm	400 mm	231.30

* We can cut the tubes to the desired length.
* The specified kilogram information is approximate.

Order:
Code. ID x OD x Metre

Order Example:
H8B. 80 x 90 x 2