

Hard chromium plated tubes are producing from hot rolled and seamless main material for telescopic cylinders.

## Technical Properties

Main material	: St52.3 DIN 1629 ( E355 EN 10297-1)
In diameter surface	: Hot rolled condition
Out diameter tolerance	: ISO f7
Length	: 14 m Max
Straightness	: 0,5mm/1000mm ( Max)
Ovality(OD)	: ½ ISO f7
Diameter range	: 20mm to 130mm ( OD)
Thickness of chromium layer	: 20 Micron
Hardness of chromium	: Hv 800 - 1000
Surface roughness	: Ra 0,10 – 0,20 micron



## CHEMICAL PROPERTIES

GRADE	% C max	% Mn	% Si max	% S max	% P max
ST 52	0,22	1,60	0,55	0,045	0,045

## MECHANICAL PROPERTIES

GRADE	Yield point N/mm <sup>2</sup>	Ultimate Tensile strength N/mm <sup>2</sup>	Elongation %	Welding
ST 52	>540	>590	15	Perfect

## STANDARD PRODUCTION

OD x ID mm	Tolerance f7
20 x 15	-20 / -41
25 x 18	-20 / -41
30 x 18	-25 / -50
35 x 29	-25 / -50
36 x 26	-25 / -50
40 x 30	-25 / -50
55 x 37	-30 / -60
58 x 50	-30 / -60
58 x 36	-30 / -60
65 x 54	-30 / -60
65 x 50	-30 / -60
70 x 45	-30 / -60
75 x 56	-30 / -60
75 x 46	-30 / -60
80 x 63	-36 / -71
80 x 55	-36 / -71
85 x 73	-36 / -71
85 x 65	-36 / -71
90 x 75	-36 / -71
90 x 67	-36 / -71
100 x 77	-36 / -71
100 x 62	-36 / -71
105 x 84	-36 / -71
110 x 86	-36 / -71
115 x 95	-36 / -71
120 x 107	-43 / -83
120 x 95	-43 / -83
125 x 101	-43 / -83
125 x 93	-43 / -83

For other dimension please contact with us.