

Chrome plated Steel Tube - Technical Properties.

- **Diameter Tolerance** Standard is ISO-f7.
- **Ovality** – max ½ from the OD diameter tolerance.
- **Eccentricity** – max +10% of the wall thickness.
- **Surface Roughness** – OD is Ra = max 0.20 µm.
- **Surface Hardness** – Chrome Layer hardness is 800-1000 HV0,1.
- **Straightness** for OD< 80 [mm] is max 0,3 [mm]/1000 [mm] and for OD> 80 [mm] is max 0,7[mm]/1000[mm].
- **Chrome Layer thickness** is minimum 20[µm].

Chrome plated steel Tube - corrosion resistance.

- **Standard Corrosion Resistance** for 20<Φ<80 is R9/120h and for Φ≥80 is R9/96h according to NSS tests, on request it is possible to provide with resistance R9/200h.
- We can provide **higher layer or double chrome layer** at premium price.

Corrosion Test standards table.

ISO9227	ASTM	DIN50021	Salt Spray Test
NSS	B117	SS	Neutral Salt Spray
AASS	B287	ESS	Acetic Acid Salt Spray

Chrome plated steel Tube - Mechanical Properties table.

∅	Steel grade	Delivery Condition	Rp0,2 (N/mm2)	Rm (N/mm2)	A (%)	Kv (J) (-20oC) Long
<80	EN10305-1		EN6892-1			ISO148-10580
	E355	+SR	MIN 520	MIN 620	MIN 15	MIN 27
		+C	MIN 520	MIN 620	MIN 7	
>80	EN10305-1					
	E 355	+SR	MIN 400	MIN 580	MIN 15	MIN27
	E410	+SR	MIN 420	MIN 620	MIN 15	MIN 27
	PR520 OPZ2	+SR	MIN 520	MIN 620	MIN 15	MIN 27
>90	EN 10297-1 /10210-1					
	E355/5355J2H		MIN 355	MIN 500	MIN 21	MIN 27
	20MNV6+N/E420J2H		MIN 400	MIN 550	MIN 15	MIN 27

Standard packaging is made with plastic sleeves or cardboard tubes (depending on the product's diameter).

As an Extra protection with additional cost we can provide also wooden boxes.