



**WINTRADE** S.r.l.  
CHROME PLATED BARS • STEEL TUBES • SPECIAL STEELS

# Tubes

chromed outside

According to EN 1305

Corrosion Resistance

ISO 9227 NSS Rating 9 ≥ 120 h

Chemical analysis

C	Mn	Si	P	S	Al
≤0,22	≤1,60	≤0,55	≤0,025	≤0,025	≤0,020

### Mechanical properties at room temperature

Steel grade	According to	Rp0,2 min. N/mm <sup>2</sup>	Rm N/mm <sup>2</sup>	A min. %	AvRT J	HB
E355+C	EN 10305-2	355	640	4	-	-
E355+SR	EN 10305-1	450	580	10	(27 ± 20° C)**	-

\*\* as request

**Internal Diameter Tolerance:** EN 10305

**Outside Diameter Tolerance:** f7

**Thickness Tolerance:** + / - 3%

**Surface roughness:** Ra - max. 0,20 µm (statistical average 0,05 – 0,15 µm)

**Chromium thickness:**  $\varnothing < 20$  mm = min. 15 µm  $\varnothing \geq 20$  mm = min. 20 µm

**Chromium Hardness:** min. 900 HV

**Diameter Range:** outside diam. 12-200 mm

**Thickness Range:** 2 / 2,5 / 3 / 3,5 / 4 / 5 / 6 / 7,5 / 10 / 12,5 / 15 / 20 / 22,5 / 25 mm

**Bars length :** 4000 / 12.000 mm

**Eddy current test:** 100% checked found ok

**Protection:** PVC or cardboard tube

### General properties and applications

**Chromed TUBES** are used by hydraulic industries extensively. They are employed by other industrial sectors for a wide range of exploitations. Typical applications are: agricultural equipment, compressors, car jacks and other transport lifting equipment, processing equipment, hoists, mining and other earth moving equipment, machine tools, mechanical tools and equipment, rods and shafts (various), waste disposal transport and equipment etc..