



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

Cold drawn tube H8

*Honed or skiving and
roller-burnishing inside for
hydraulic cylinder*

According to EN 10305-2 / 10305-1

Steel Grade: E355 / ST-52.3

Chemical analysis

EN 10305-2

EN 10305-1

C	Mn	Si	P	S	Al
≤0,22	≤1,60	≤0,55	≤0,025	≤0,025	≤0,020
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Mechanical properties at room temperature

	Heat treatment	Rp0,2 min. N/mm ²	Rm N/mm ²	A min. %	AvRT J	HB
EN 10305-2	+SR	435	590	10	-	-
EN 10305-1	+SR	450	580	10	-	-

Internal diameter tolerance: H8

Outside diameter tolerance: EN 10305-2 / 10305-1

Thickness tolerance: + / - 3%

Internal roughness: Ra - max. 0,40 μm

Straightness: 1:1000 mm

Diameter range: outside diameter 20- 300 mm

Thickness Range: 5 / 6 / 7,5 / 10 / 12,5 / 15 / 17,5 / 20 / 25 mm

Bars length : 4000 / 12.000 mm

Eddy current test: 100% checked found ok

Marking: Dimension - Heat treatment- Steel grade- Heat number & Logo

Packaging: oiled inside, cap on the head

General properties and applications

Cold drawn tube H8 is seamless/ welded cold-drawn precision steel tube.

It's used especially as hydraulic cylinder construction. The piston seal requires a high-quality surface that in case of tubes for cylinder barrels is achieved by the machining. The inside diameter tolerance could be designed for either honing or skiving and roller burnishing.