



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

AISI 304/304L

W.1.4307/1.4301
25my chromed bar

According to EN 10088

Corrosion Resistance

ISO 9227 NSS Rating 9 ≥ 2000 h

Chemical analysis

C	N	Mn	Si	P	S	Cr	Mo	Ni
≤0,03	≤0,11	≤2,00	≤1,00	≤0,045	≤0,030	18±20,00	-	10,00±12,00

Mechanical properties at room temperature

Base material	Diameter Ø mm.	Rp0,2 min. N/mm ²	Rm N/mm ²	A min. %	KV min. (J)	HB
Cold drawn	≤10	400	600±950	25	-	-
Cold drawn	10<Ø≤16	400	600±950	25	-	-
Hot Rolled+Peeled+SH	16<Ø≤40	190	500±850	30	100	-
Hot Rolled+Peeled+SH	40<Ø≤63	190	500±850	30	100	-
Hot Rolled+Peeled+SH	63<Ø≤100	190	500±700	45	100	-

Tolerance: ISO f7

Diameter range: diam. 2 - 1000 mm

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

Chromium layer: Ø < 20 mm = min. 15 µm Ø ≥ 20 mm = min. 20 µm

Chromium hardness: min. 900 HV

General properties and applications

AISI 304 chromed bar can be used for hydraulic cylinder in marine application or anywhere you need corrosion resistance.

The steel grade W.1.4307 (also called ASTM 304/304L) is a general purpose stainless steel, called 18-8- steel, with good corrosion and impact resistance, formability and machinability. It's suitable for production of corrosion resistant products thanks to the machining.

It has good resistance to uniform corrosion and to many slight corrosive organic and inorganic chemicals.

It is non-magnetic but may become somewhat magnetic after cold working and welding.