



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

39NiCrMo3 +QT

25my chromed bar

According to EN 10083-3:2006

Corrosion Resistance

ISO 9227 NSS Rating 9 ≥ 200 h

Chemical analysis

C	Mn	Si	P	S	Cr	Mo	Ni
0,35÷0,43	0,50÷0,80	≤0,40	≤0,025	≤0,035	0,60÷1,00	0,15÷0,25	0,70÷1,00

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)	C min. (%)	HB max
Hot Rolled	16÷40	735	930÷1130	11	35	40	278÷339
Hot Rolled	40÷100	685	880÷1080	12	40	45	263÷327
Hot Rolled	100÷160	635	830÷980	12	40	50	249÷295
Hot Rolled	160÷250	540	740÷880	13	40	50	224÷263

Tolerance: ISO f7

Diameter range: diam. 16 - 1000 mm

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

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

Chromium hardness: min. 900 HV

General properties and applications

39NiCrMo3+QT chromed bar is used by hydraulic industries extensively, especially when they need hard mechanical properties.

It's 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.