

Exceptional corrosion resistance

Exceptional quality able to satisfy extreme requirements: **standing a 1000 hours test** in neutral salt spray, according to ISO 9227, obtaining a high rating according to ISO 10.289: **rating 10.**

Corrosion Resistance Test

Carried on by Stelmi Quality Department and independent laboratories

DIAMETERS, CHROME LAYER AND TOLERANCES

Diameters over 20 mm, Chrome layer 50 µm min., tolerance f7

Chromelayer hardness HRC 66-69(HV 0,1 / HV 850-1000)

Roughness Ra max. 0,20 µm

1000 hours in Neutral Salt Spray Rating 10

LABORATORY TEST according to ISO 9227 (NSS)

Results evaluation according to ISO 10.289

Diameters > 20 mm

STRAIGHTNESS	Better than 0,5 / 2000 m
TOLERANCE	According to ISO f7
OUT OF ROUNDNESS	Within 1/2 of the tolerance field
SURFACE ROUGHNESS	Ra < 0,2 µm Rt < 3 µm max
CHROMIUM LAYER HARDNESS	HRC 66 - 69 (HV 0,1 / HV850-1000)
STEEL GRADES	CK 45, 18MnV5 / 20MnV6 42MnV7, 45MnV1 38MnVS6, 42CrMo4
INDUCTION HARDENING	CK 45/50, 45MnV1, 20MnV6 38MnVS6, 42CrMo4

STELMI BARS ARE FULLY CHROMED UP TO THE ENDS