

CHROMED BARS

STOCK FACILITY

STEEL GRADES

The standard stock of chromed bars consists of steel grades C45 or C45E or C45R and 20MnV6, in untreated delivery condition (+AR), and 42CrMo4 in quenched and tempered delivery condition (+QT).

DELIVERY CONDITIONS

The solid bars subjected to chroming process are available in different delivery conditions, in order to obtain specific properties:

NORMALIZATION: heat treatment consisting in heating process followed by gradual cooling in controlled atmosphere. Thanks to this process, the steel structure becomes more "refined" and improves its impact properties (Perlitic structure).

INDUCTION HARDENING: the surface of the steel bar is heated by electric induction followed by fast cooling. This process leads to a high surface hardness, but also to fragility and low impact values (Martensite surface structure).

QUENCHING AND TEMPERING: quenching process followed by tempering. This process leads to a good hardness and resistance and it reduces its fragility in comparison to induction hardening (Sorbite structure).





SURFACE PROTECTIONS

All chromed bars are individually protected from casual damages due to handling and/or crashes by an extruded polypropylene envelope, cardboard or other suitable covers. This allows to protect and keep intact the chromed surface during handling and storage.

PACKAGING

The material, both in random lengths and fixlengths, is supplied in bundles closed with iron straps (adding protective material) or reinforced adhesive taper according to weight and dimensions.

Tubes cut to fixed lengths are supplied with polyester bands too, in order to make handling operations easier.

Upon request it is possible to arrange special packing: wooden boxes, pallets etc.



CERTIFICATES AND MARKINGS

All supplies can be completed by mill test certificates type 3.1 according to EN 10204. Traceability is granted by labels or paint marking on the protective envelope.

LENGTHS

RANDOM LENGTHS: up to diameter 19 mm lengths from 4 to 5 m, from diameter 20 mm lengths from 6 to 7 m.

FIXLENGTHS: all bars can be supplied cut to fixlength, the quick delivery and the quality of the service are granted by modern automatic cutting machines with band saws.

The standard tolerance on fixlength is $-0 / +5$ mm, more restrictive tolerances can be agreed at the moment of the order.

DELIVERIES

Inland, through carriers.

