PIPES FOR STRUCTURAL APPLICATIONS
UNI EN 10210 1-2
*Cold formed welded structural hollow sections of non-alloy and fine grain steels*

**USE**
Pipes for civil and industrial metal structures

**STEEL GRADE**
S235-S275-S355-S420-S460

**PROCESSING**
- Seamless
- Longitudinal welded (ERW-SAW)
- Spiral welded

**TOLERANCES**

- **OUTSIDE DIAMETER**
  Seamless and welded: +/- 1% (min +/- 0,5mm / max +/- 10mm)

- **THICKNESS**
  - Seamless and Welded: not specified, it is limited by the tolerance mass / - 10%
  - For the seamless hollow sections, it can be found lower values but not less than 12,5% of the nominal thickness in the gradual connection zones and not greater than 25% of the perimeter

- **OUT OF ROUNDNESS**
  2% for hollow sections with a ratio D/t ≤100

- **MASS**
  - Seamless: − 6% / +8% on individual delivered length
  - Welded: +/- 6% on individual delivered length

- **STRAIGHTNESS**
  - 0,2% on total length and no more than 3mm/m

**MARKING**
Each hollow section shall be marked by suitable and durable methods and it must include the following information:
- Reference standard and grade
- Manufacturer’s name or trademark
- Diameter and thickness
- Identification number: i.e. heat nr. and order nr.
- Mark of the external inspection representative (where applicable)

Where the products are supplied in bundles, the marking shall be on a label securely attached to the bundle

**CERTIFICATION**
UNI EN 10204

**SIZE RANGE**
UNI EN 10210-2