PIPPES FOR MECHANICAL APPLICATIONS UNI EN 10297-1
Alloy and non-alloy steel pipes with circular section

USE
Pipes for mechanical and engineering applications

STEEL GRADE
E235 - E275 - E315 - E355 - E470 - E420 - E460 - E590 - E730

PROCESSING
➡ Seamless

TOLERANCES
OUTSIDE DIAMETER
• D ≤ 219,1mm: +/- 1% (min +/- 0,5mm)
• D > 219,1mm: +/- 1%

THICKNESS
• D ≤ 219,1mm: +/- 12,5 % (min +/- 0,4mm)
• D > 219,1mm: it changes according to the ratio t/D

<table>
<thead>
<tr>
<th>t tolerance with t/D ratio</th>
<th>≤0,025</th>
<th>&gt;0,025 ≤0,050</th>
<th>&gt;0,050</th>
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<tbody>
<tr>
<td>+/-20%</td>
<td>+/-15%</td>
<td>+/-12,5%</td>
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OUT OF ROUNDNESS
Included in the outside diameter tolerance

STRAIGHTNESS
• D < 33,7mm: reasonably straight
• D ≥ 33,7mm: 0,15% on the total length

MARKING
Each tube 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 10220