

PIPES 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 <ul style="list-style-type: none">• $D \leq 219,1\text{mm}$: +/- 1% (min +/- 0,5mm)• $D > 219,1\text{mm}$: +/- 1%

THICKNESS

- $D \leq 219,1\text{mm}$: +/- 12,5 % (min +/- 0,4mm)
- $D > 219,1\text{mm}$: it changes according to the ratio t/D

t tolerance with t/D ratio		
$\leq 0,025$	$> 0,025 \leq 0,050$	$> 0,050$
+/-20%	+/-15%	+/-12,5%

OUT OF ROUNDNESS

Included in the outside diameter tolerance

STRAIGHTNESS

- $D < 33,7\text{mm}$: reasonably straight
- $D \geq 33,7\text{mm}$: 0,15% on the total length

MARKING	<p>Each tube shall be marked by suitable and durable methods and it must include the following information:</p> <ul style="list-style-type: none">➤ 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) <p>Where the products are supplied in bundles, the marking shall be on a label securely attached to the bundle</p>
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CERTIFICATION	UNI EN 10204
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SIZE RANGE	UNI EN 10220
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