CARBON PIPES FOR HIGH TEMPERATURES  
ASTM A106 - ASME SA106  
*Carbon steel pipes suitable for bending*

**USE**  
Conveying fluids at high temperatures

**STEEL GRADE**  
A - B - C

**PROCESSING**  
▷ Seamless

**TOLERANCES**

**THICKNESS**  
+ not specified (delimited by mass) / − 12,5%

**OUTSIDE DIAMETER**

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Tolerance (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,3 &lt; D ≤ 48,3</td>
<td>+0,4 / -0,4</td>
</tr>
<tr>
<td>48,3 &lt; D ≤ 114,3</td>
<td>+0,8 / -0,8</td>
</tr>
<tr>
<td>114,3 &lt; D ≤ 219,1</td>
<td>+1,6 / -0,8</td>
</tr>
<tr>
<td>219,1 &lt; D ≤ 457</td>
<td>+2,4 / -0,8</td>
</tr>
<tr>
<td>457 &lt; D ≤ 660</td>
<td>+3,2 / -0,8</td>
</tr>
<tr>
<td>660 &lt; D ≤ 864</td>
<td>+4,0 / -0,8</td>
</tr>
<tr>
<td>864 &lt; D ≤ 1219</td>
<td>+4,8 / -0,8</td>
</tr>
</tbody>
</table>

**OUT OF ROUNDNESS**  
Within the limits of tolerance for the outside diameter

**MASS**  
The mass per unit of length for pipes ≤ 323,8mm must not vary by +10% / −3,5% from the values specified  
For pipes > 323,8mm the mass per unit of length must not vary by +10% / −5% from the values specified  
The benchmark parameters must be identified in the ANSI B36.10 and ANSI B36.19 standards  
For non-standardized sizes the following equation must be applied:  
\[ M = t(D - t) \times C \]  
Any deviations as shown in the standard

**STRAIGHTNESS**  
• Reasonably straight
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MARKING
Pipes with D ≤48.3mm will be identified by means of a label applied to one end of the bundle.
Pipes with D >48.3mm will be marked legibly 300mm from one end with the following information:

➤ Manufacturer’s name or trademark
➤ Reference standard
➤ Grade
➤ Cast number
➤ Diameter and thickness
➤ Length
➤ Weight
➤ Any additional instructions
➤ Hydraulic test value or NDT (nondestructive test) type

CERTIFICATION
UNI EN 10204

SIZE
ASME B36.10

RANGE