

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

Diameter (mm)	Tolerance (mm)
10,3 < D ≤ 48,3	+0,4 / -0,4
48,3 < D ≤ 114,3	+0,8 / -0,8
114,3 < D ≤ 219,1	+1,6 / -0,8
219,1 < D ≤ 457	+2,4 / -0,8
457 < D ≤ 660	+3,2 / -0,8
660 < D ≤ 864	+4,0 / -0,8
864 < D ≤ 1219	+4,8 / -0,8

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 $D \leq 48,3\text{mm}$ will be identified by means of a label applied to one end of the bundle

Pipes with $D > 48,3\text{mm}$ 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

RANGE

ASME B36.10