



## Manufacturer of ASTM A106 Seamless Carbon Steel Pipes Pipes

Professional Manufacturer and Supplier from China specialized in Seamless Carbon Steel Pipes Pipes and Tubes at Consistant Quality.

Seamless carbon steel tube for high temperature service



1. standards: ASTM A106 (ASME SA106)
2. products mainly used: apply to bending, curling and similar forming process.
3. the main products of steel / steel grade: Gr.A; Gr.B; Gr.C.
4. Specifications: diameter: 10.3 to 114.3 mm thickness: 0.8 to 12 mm Length: 6 m above, and, in accordance with customer demand, supply and other specifications of steel pipe.
5. chemical composition and mechanical properties.

### Features Specifications:

| OD(mm)  | Wall Thickness Unit(mm) |     |   |     |   |     |   |   |       |       |       |        |    |    |
|---------|-------------------------|-----|---|-----|---|-----|---|---|-------|-------|-------|--------|----|----|
|         | 2                       | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 6.5-7 | 7.5-8 | 8.5-9 | 9.5-10 | 11 | 12 |
| Φ25-Φ28 | •                       | •   | • | •   | • | •   |   |   |       |       |       |        |    |    |
| Φ32     |                         | •   | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ34-Φ36 |                         | •   | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ38     |                         | •   | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ40     |                         |     | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ42     |                         |     | • | •   | • | •   | • |   |       |       |       |        |    |    |
| Φ45     |                         |     | • | •   | • | •   | • | • |       |       |       |        |    |    |
| Φ48-Φ60 |                         |     | • | •   | • | •   | • | • | •     |       |       |        |    |    |
| Φ63.5   |                         |     |   | •   | • | •   | • | • | •     | •     |       |        |    |    |
| Φ68-Φ73 |                         |     |   |     | • | •   | • | • | •     | •     |       |        |    |    |
| Φ76     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ80     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ83     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ89     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ95     |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ102    |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ108    |                         |     |   |     | • | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ114    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ121    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ127    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ133    |                         |     |   |     |   | •   | • | • | •     | •     | •     | •      | •  | •  |
| Φ140    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ146    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ152    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ159    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |
| Φ168    |                         |     |   |     |   |     | • | • | •     | •     | •     | •      | •  | •  |



| OD(mm) | Wall Thickness Unit(mm) |         |       |       |       |
|--------|-------------------------|---------|-------|-------|-------|
|        | 10.5-12                 | 12.5-17 | 18-20 | 21-25 | 26-30 |
| /      |                         |         |       |       |       |
| Φ127   | ●                       | ●       | ●     | ●     | ●     |
| Φ133   | ●                       | ●       | ●     | ●     | ●     |
| Φ140   | ●                       | ●       | ●     | ●     | ●     |
| Φ146   | ●                       | ●       | ●     | ●     | ●     |
| Φ152   | ●                       | ●       | ●     | ●     | ●     |
| Φ159   | ●                       | ●       | ●     | ●     | ●     |
| Φ168   | ●                       | ●       | ●     | ●     | ●     |
| Φ180   | ●                       | ●       | ●     | ●     | ●     |

### Grade and Chemical Composition

| Grade | C≤   | Mn        | P≤    | S≤    | Si≥ | Cr≤ | Cu≤ | Mo≤  | Ni≤ | V≤   |
|-------|------|-----------|-------|-------|-----|-----|-----|------|-----|------|
| A     | 0.25 | 0.27-0.93 | 0.035 | 0.035 | 0.1 | 0.4 | 0.4 | 0.15 | 0.4 | 0.08 |
| B     | 0.3  | 0.29-1.06 | 0.035 | 0.035 | 0.1 | 0.4 | 0.4 | 0.15 | 0.4 | 0.08 |
| C     | 0.35 | 0.29-1.06 | 0.035 | 0.035 | 0.1 | 0.4 | 0.4 | 0.15 | 0.4 | 0.08 |

### Mechanical Properties:

| Grade | Rm Mpa Tensile Strength | Mpa         | Elongation | Delivery Condition |
|-------|-------------------------|-------------|------------|--------------------|
|       |                         | Yield Point |            |                    |
| A     | ≥330                    | ≥205        | 20         | Annealed           |
| B     | ≥415                    | ≥240        | 20         | Annealed           |
| C     | ≥485                    | ≥275        | 20         | Annealed           |

### Dimension Tolerances:

| Pipe Type  | Pipe Sizes | Tolerances |
|------------|------------|------------|
| Cold Drawn | OD         | ≤48.3mm    |
|            |            | ≥60.3mm    |
|            | WT         | ±12.5%     |