



## JIS G3461 Seamless Boiler Tubes And Heat Exchanger Tubes Carbon Steel Alloy Steel

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: JIS G3461
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Standard Export Packing
- Delivery Time: 7~30 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union



#### Product Specification

- Name: Seamless Steam Steel Boiler Pipes/Tubes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Material: Carbon Steel Alloy Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: boiler heat exchanger tubes, cold drawn heat exchanger tubes, cold drawn seamless boiler tubes



## Product Description

### JIS G3461 Seamless Steel Boiler and Heat Exchanger Tubes

**1. Product Description:** JIS G3461 Seamless Steel Boiler and Heat Exchanger Tubes are high-quality tubes designed for use in boilers and heat exchangers. These tubes are manufactured from carbon steel and alloy steel, ensuring seamless construction that provides uniform wall thickness and excellent mechanical properties. The JIS G3461 standard specifies the requirements for these tubes, which are intended for high-temperature and high-pressure applications.

#### 2. Product Features:

**Seamless Construction:** Offers consistent wall thickness and enhanced safety.

**High-Temperature Resistance:** Suitable for applications with demanding thermal conditions.

**Pressure Resistance:** Designed to withstand high internal pressures.

**Dimensional Accuracy:** Meets strict dimensional and geometrical standards.

**Quality Assurance:** Complies with the JIS G3461 standard for reliability.

#### 3. Product Parameters:

| Parameter         | Description                                             |
|-------------------|---------------------------------------------------------|
| Standard          | JIS G3461                                               |
| Material          | Carbon and Alloy Steel (Seamless)                       |
| Grade             | STBX, STBX-A, STPA, STPA-A, STPI, STPI-A, and others    |
| Size Range        | Various diameters and wall thicknesses as per JIS G3461 |
| Length            | Standard lengths, customizable upon request             |
| Ends              | Plain ends, beveled ends, threaded, or socket-weld ends |
| Surface Treatment | As-rolled, annealed, or normalized                      |

#### 4. Mechanical Properties:

| Property         | Typical Requirements                                              |
|------------------|-------------------------------------------------------------------|
| Tensile Strength | Varies by grade, e.g., STBX: $\geq 415$ MPa (60,000 psi)          |
| Yield Strength   | Varies by grade, e.g., STBX: $\geq 205$ MPa (30,000 psi)          |
| Elongation       | Typically $\geq 20\%$ in 50 mm (2 in) or 4D, whichever is greater |
| Hardness         | Varies depending on heat treatment                                |

#### 5. Chemical Composition:

| Element    | Typical Range (%) by Grade (Example: STBX) |
|------------|--------------------------------------------|
| Carbon     | 0.16 - 0.22                                |
| Manganese  | $\leq 0.50$                                |
| Phosphorus | $\leq 0.025$                               |
| Sulfur     | $\leq 0.025$                               |
| Silicon    | $\leq 0.35$                                |

#### 6. Product Applications:

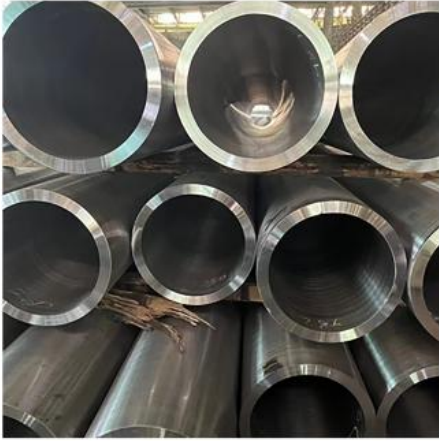
**Boiler Tubes:** Used for steam generation in high-pressure boilers.

**Heat Exchangers:** Ideal for various heat exchanger applications in industries such as petrochemical, refining, and power generation.

**Pressure Vessels:** Suitable for construction of high-pressure vessels and reactors.

**Superheater and Reheater Tubes:** Employed in superheater and reheater sections of power plants.

#### Product Image





**Company Profile**

# BAOYANG · CHINA COMPANY INFORMATION

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## Cangzhou BaoYang Pipe Industry Co., Ltd

Cangzhou Baoyang Pipe Industry Co., Ltd. is located in the Hope New Area of Mengcun County, Hebei Province, China's pipeline equipment base. It is an enterprise that integrates spot storage of steel pipes, production of pipe fittings, and sales and exports. Our company mainly operates seamless pipes made of special materials, and has long-term good cooperative relationships with major steel mills such as Tianjin Seamless, Hengyang Hualing, Yantai Lubao, Inner Mongolia Baosteel, Shanghai Baosteel, Jiangsu Chengde, Anhui Tianda, etc. Our products are widely used in pipeline engineering fields such as petroleum, petrochemical, chemical, natural gas, thermal power, boilers, etc

**Factory Tour**

## Factory Picture

Cangzhou Baoyang Pipeline Co., Ltd



team introduction

## OUR FRIENDS



### Applications

## BAOYANG · CHINA APPLICATION SCENARIOS



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