



## EN 10219 S235JR Square Structural Purposes Seamless Steel Tubes / Pipes

Our Product Introduction

### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: EN 10219 S235JR
- 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: ASTM A53 Carbon Seamless Steel Pipe
- Technique: Hot-Rolled
- Standards: EN 10219 S235JR
- Material: Carbon Steel
- Wall Thickness: 4mm-150mm
- Outer Diameter: 13.7mm-609.6mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Boiler Pipe, Hydraulic/Automobile Pipe, Oil/Gas Drilling
- Highlight: **s235jr structural steel pipes, s235jr steel tubes for structural purposes, square structural steel pipes**



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## Product Description

### EN 10219 S235JR Square Structural Purposes Seamless Steel Tubes/Pipes

**1. Product Description:** EN 10219 S235JR Square Structural Purposes Seamless Steel Tubes/Pipes are designed for structural applications that require a combination of strength and precision. These tubes and pipes are manufactured from S235JR steel, a low carbon steel that offers excellent weldability and formability, making them ideal for a wide range of construction projects. The seamless square design provides consistent dimensions and improved load-bearing capabilities.

#### 2. Product Parameters:

Parameter	Description
Standard	EN 10219 S235JR
Material	Low Carbon Steel (Seamless)
Shape	Square
Size Range	Various sizes available as per EN 10219 standards
Wall Thickness	Varies depending on the size and application requirements
Length	Standard lengths, customizable upon request
Surface Treatment	As-rolled, annealed, or normalized

#### 3. Mechanical Properties:

Property	Typical Requirements
Tensile Strength	≥340 MPa (49,000 psi)
Yield Strength	≥235 MPa (34,000 psi)
Elongation	≥25% in 50 mm (2 in) or 4D, whichever is greater
Hardness	Varies depending on heat treatment

#### 4. Chemical Composition:

Element	Typical Range (%)
Carbon	0.16 - 0.24
Manganese	≤1.60
Phosphorus	≤0.045
Sulfur	≤0.045
Silicon	≤0.55

#### 5. Product Applications:

**Structural Framing:** Utilized in building and construction for load-bearing structures.

**Mechanical Equipment:** Suitable for manufacturing equipment that requires a strong and stable framework.

**Piping Systems:** Employed in square piping systems for various fluid transport applications.

**Furniture and Decor:** Used in the design and construction of modern furniture and decorative structures.

**Greenhouse and Scaffolding:** Ideal for greenhouse structures and scaffolding systems.

#### 6. Product Advantages:

**Seamless Construction:** Ensures no weak points and provides a consistent material structure.

**High Strength-to-Weight Ratio:** Offers excellent strength at a manageable weight for ease of handling and installation.

**Weldability:** The S235JR steel is highly weldable, facilitating easy integration into construction projects.

**Versatility:** The square shape and seamless design allow for versatile applications in various industries.

**Long Service Life:** Built to last with minimal maintenance in both indoor and outdoor environments.





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