

2025-2026 PRODUCT CATALOGUE

Premium
**Carbon Steel
Pipes & Tubes**

MADE IN IRAN

جوان استیل
JavanSteel

70
YEARS

Carbon Steel Pipes

Reliable Performance for Water Transmission & Distribution

Steel Water Pipes

These carbon steel pipes are specifically designed for **water supply applications**, making them suitable for both municipal and industrial projects. They are made from **S235JR steel (equivalent to St-37)**. The pipes are produced using advanced **Electric Resistance Welding (ERW)** technology to meet industrial standards and undergo additional processing and testing tailored for water service. After production, the pipes are **finished and deburred** at specialized facilities, ensuring they are ready for installation.

Each pipe undergoes **hydrostatic pressure testing at 50 bar for 15 seconds**. This testing is performed individually using modern equipment.

Our quality control process includes testing raw materials, as well as conducting visual and dimensional inspections during and after production. Additionally, mechanical and hydrostatic tests are carried out to ensure overall quality.

These pipes are produced according to **ISIRI 6771**, which corresponds to the international **AWWA C200** standard. They are suitable for urban and rural water distribution networks, industrial water supply lines, pressurized irrigation projects, and wastewater systems.

Standard Specifications

- **Outside Diameters:** 76 - 406 mm
- **Material:** S235JR Steel (equivalent to St-37)
- **Wall Thicknesses:** 4 - 6 mm
- **Hydrostatic Test:** 50 bar for 15 seconds
- **Surface Finishing:** Deburred and end-finished

Optional Specifications

- **Material:** S355JR Steel (equivalent to St-52)
- **Wall Thicknesses:** Custom
- **Lengths:** Up to 14,000 mm
- **Protective Coatings:** Epoxy / PE / Galvanized
- **Quality Certificate (QC):** Upon Request

Nominal Size (inch)	Outside Diameters (mm)	Wall Thickness (mm)				Length (mm)
		4.0	5.0	6.0	8.0	
2 1/2	76	✓	✓			6,000
3	89	✓	✓	✓		6,000
4	114	✓	✓	✓		6,000
5	141	✓	✓	✓		6,000
6	168	✓	✓	✓		6,000/6,110
8	219	✓	✓	✓	✓	6,110/6,120
10	273	✓	✓	✓	✓	6,000/12,000
12	323	✓	✓	✓	✓	6,000/12,000
14	355	✓	✓	✓	✓	6,000/12,000
16	406		✓	✓		6,000/12,000



Carbon Steel Tubes

Strength and Reliability for Structural and Industrial Use

Industrial & Structural Tubes

Carbon steel tubes are engineered for demanding structural and industrial applications, providing a dependable combination of strength, dimensional precision, and cost efficiency. They find extensive use in construction frameworks, industrial installations, machinery structures, and load-bearing components.

These tubes are made from **S235JR** steel (equivalent to St-37), and are produced using advanced **Electric Resistance Welding (ERW)** technology. They feature uniform and continuous weld seams that ensure reliable integrity.

Quality is guaranteed through chemical analysis and mechanical testing of the raw materials, as well as continuous monitoring of the welding and forming parameters throughout the production process.

OD (mm)	Wall Thickness (mm)							Length (mm)
	2.0	2.5	3.0	4.0	5.0	6.0	8.0	
21.0	✓	✓						6,000
25.0	✓	✓						6,000
32.0	✓	✓						6,000
42.0	✓	✓						6,000
48.3	✓	✓	✓					6,000
60.3	✓	✓	✓					6,000
76.0	✓	✓	✓	✓	✓			6,000
89.0	✓	✓	✓	✓	✓	✓		6,000
108.0			✓	✓				6,000
114.0	✓	✓	✓	✓	✓	✓		6,000
133.0			✓	✓	✓	✓		6,000
141.0			✓	✓	✓	✓		6,000
159.0			✓	✓		✓		6,000
168.0			✓	✓	✓	✓		6,000/6,110
194.0			✓	✓	✓	✓		6,000
219.0			✓	✓	✓	✓	✓	6,000/6,110/12,000
273.0			✓	✓	✓	✓	✓	6,000/12,000
323.0			✓	✓	✓	✓	✓	6,000/12,000
355.0			✓	✓	✓	✓	✓	6,000/12,000
406.0				✓	✓			6,000/12,000

Standard Specifications

- **Outside Diameters (OD):** 21 - 406 mm
- **Material:** S235JR Steel (equivalent to St-37)
- **Wall Thicknesses:** 2 - 8 mm

Optional Specifications

- **Material:** S355JR Steel (equivalent to St-52)
- **Wall Thicknesses:** Custom
- **Lengths:** Up to 14,000 mm
- **Protective Coatings:** Epoxy / PE / Galvanized





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