

## CESURBEND PBH-65E Semi-Automatic Mandrel Tube Bender





CESURBEND PBH-65E — a semi-automatic hydraulic PLC mandrel tube bender for steel tubes and profiles with a diameter of up to 65 mm.

Hydraulic PLC Mandrel Tube Bender

## CESURBEND PBH-65E Semi-Automatic Mandrel Tube Bender

Professional 65 × 3.5 mm tube and profile bender with hydraulic clamping and PLC control

**CESURBEND PBH-65E** is a semi-automatic hydraulic mandrel tube bender designed for precision bending of steel tubes and profiles. The machine is intended for use in manufacturing plants, metalworking shops, fabrication workshops and companies producing railings, installations and steel components.

The **PBH-65E** model bends steel tubes up to **65 mm** in diameter and with a wall thickness of up to **3.5 mm**. Mandrel technology and hydraulic clamping help reduce material deformation, improving bend quality and repeatability of finished parts.

**Tubes up to 65 × 3.5 mm, bending angle up to 190° and a 7.5 kW bending motor.**

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PBH-65E is a more powerful mandrel tube bender for larger tube diameters, production work and repeatable steel components.

Tube diameter **65 mm**

Wall thickness **3,5 mm**

Bending angle **190°**

Bending power **7,5 kW**

Product gallery

### Photos of the CESURBEND PBH-65E Mandrel Tube Bender



CESURBEND PBH-65E machine view



Bending area or PLC control panel  
Key features

### Hydraulic Mandrel Tube Bender for Larger-Diameter Tubes

**Working range up to 65 mm** — the machine is designed for bending steel tubes with a diameter of up to 65 mm.

**Wall thickness up to 3.5 mm** — enables work with heavier material in structural fabrication.

**Mandrel technology** — reduces flattening, kinking and material deformation during bending.

**Hydraulic clamping** — stabilises the tube in the working area and improves repeatability.

**PLC control** — simplifies parameter setup and control of the bending process.



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**Bending angle up to 190°** – a wide operating range for standard and more demanding tubular parts.

**7.5 kW bending motor** – high power for stable operation with larger tube diameters.

**Weight: 1100 kg** – a robust design ensuring stability during production work.

Working process

### How does the PBH-65E mandrel tube bender work?

1

#### Parameter setup

The operator selects the appropriate bending parameters, prepares the tooling and positions the tube or profile in the working area.

2

#### Hydraulic clamping

The hydraulic system stabilises the material, enabling precise tube guidance while forming the bend.

3

#### Mandrel bending

The mandrel supports the tube from the inside, reducing flattening and improving the quality of the finished part.

Applications

### Where is the CESURBEND PBH-65E suitable?

#### Steel structures

- Tubular frames and brackets.
- Steel tube structures.
- Larger-diameter technical components.



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### Railings and handrails

- Bending railing components.
- Production of steel handrails.
- Repeatable bends and tubular parts.

### Workshop production

- Metalworking shops and manufacturing plants.
- Installation components.
- Decorative and functional parts.

Technical specification

### Technical parameters of the CESURBEND PBH-65E Bender

Model **CESURBEND PBH-65E**

Machine type **Semi-automatic hydraulic mandrel tube bender for tubes and profiles**

Control **PLC**

Maximum tube diameter **65 mm – mild steel**

Maximum wall thickness **3,5 mm**

Maximum bending angle **190°**

Maximum bending radius **290 mm**

Bending speed **7–10 rpm**

Bending motor power **7,5 kW**

Hydraulic motor power **4 kW**

Maximum tube / profile length **3000 mm**

Machine width **1150 mm**

Machine length **3700 mm**

Machine height **1200 mm**

Machine weight **1100 kg**

Applications **Bending of tubes and profiles, steel structures, railings, installations, technical components and workshop production**