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Hydraulic 3-roll plate rolling machine WM11 6×2500 mm



Hydrauliczna walcarka 3-rolkowa do blach WM11 6x3000 mm



6 mm
2500 mm
5,5 kW
Machine description



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Hydraulic 3-roll plate rolling machine WM11 6×2500 mm

Compact, efficient rolling machine for long sheet-metal plates

WM11 6×2500 mm is a hydraulic 3-roll plate rolling machine designed for precise bending and rolling of sheet metal up to **6 mm** and with a working width of **2500 mm**.

It is an excellent solution for companies that need to process longer sheets but do not require a machine for very thick plate. The three-roll system enables controlled forming of arcs, cylinders and structural segments.

The machine is ideal for producing housings, guards, ventilation components, pipe sections, tank shells and light- to medium-duty steel structures.



Working width

2500 mm



Max. sheet thickness

6 mm



Machine power

5,5 kW



Rolling speed

4,5 m/min

WM11 6×2500 mm is a practical rolling machine for long, thinner sheets.

Hydraulic drive, a 3-roll operating system and a 2500 mm working width allow convenient, repeatable sheet-metal processing.

Why choose the WM11 hydraulic plate rolling machine?

3R

3-roll system

Even sheet guidance and stable forming of cylinders, pipes and arcs.

H



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Hydraulic drive

Smooth operation, good process control and convenient handling when rolling sheets.

6

For sheet metal up to 6 mm

Machine designed for rolling sheet metal up to 6 mm thick.

3M

2500 mm working width

The long working width enables processing of large sheet-metal plates.

✕

Different radii

Roll adjustment allows different bending radii to be achieved.

✕

Workshop and production use

The robust construction is suitable for workshops, metalworking shops and production facilities.

Operating principle

How does a hydraulic 3-roll plate rolling machine work?

In a 3-roll rolling machine, the sheet passes between the rolls, which gradually form it into the required shape. The two lower rolls guide the sheet, while the upper roll applies pressure and forms the radius.

1

Material support

The lower rolls stabilize the sheet metal and keep it on the correct path as it passes through the machine.

2



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Hydraulic forming

The hydraulic system supports smooth operation and enables controlled forming of the required radius in the sheet.

3

Repeatable rolling

The material passes through the rolls until the required arc, cylinder or structural element is achieved.

Various types and variants of rolling machines available

The selection of a rolling machine depends on sheet thickness, working width, production type and the required accuracy. The range includes variants for thinner and thicker plates, with different working lengths and operating configurations.

3 rolls

3-roll rolling machines

A versatile solution for rolling sheet metal into cylinders, pipes, arcs and segments.

4 rolls

4-roll rolling machines

Selected for more demanding applications where automation and repeatability are important.

Width

Different working lengths

Machines can be selected according to sheet width: from workshop models to versions for large formats.

Thickness

Different bending capacities

Models are available for thinner sheets as well as heavier versions for processing thicker material.



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What can you use a hydraulic plate rolling machine for?

The WM11 6×2500 mm hydraulic rolling machine is ideal wherever controlled rolling of long sheet-metal plates and forming of elements with a repeatable radius are required.



Production of housings and guards

Arcs and cylinders

- Cylindrical and semi-cylindrical housings.
- Technical guards and enclosure components.
- Components requiring a repeatable radius.



Metalworking workshops

Sheet-metal processing

- Rolling of steel sheets.
- Manufacture of curved sections and pipes.
- One-off work and short production runs.



Light and medium structures

Steel components

- Ventilation components and ducts.
- Tank shells made from thinner sheet metal.
- Production for service and maintenance departments.

Full technical specification

Model **W11-6x2500**

Machine type **Hydraulic 3-roll plate rolling machine**

Maximum rolled sheet thickness **6 mm**

Maximum rolled sheet width **2500 mm**

Upper roll diameter **190 mm**

Lower roll diameter **150 mm**

Rolling speed **4,5 m/min**



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Power**5,5 kW**

Rolling system**3-roll**

Drive**Hydraulic**

Function**Bending and rolling of sheet-metal plates, including a pre-bending function**

Applications**Housings, guards, pipes, tanks, steel and structural components**