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Hydraulic 3-roll plate rolling machine WM11 6×1500 mm





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6 mm

1500 mm

5,5 kW

Machine description



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Hydraulic 3-roll plate rolling machine WM11 6×1500 mm

Compact, efficient rolling machine for long sheet-metal plates

WM11 6×1500 mm is a hydraulic 3-roll plate rolling machine designed for precision bending and rolling of sheet metal up to **6 mm** thick and with a **1500 mm** working width.

It is an excellent solution for workshops 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 manufacturing housings, guards, ventilation components, pipe segments, tank shells and light-to-medium steel structures.



Working width

1500 mm



Max. plate thickness

6 mm



Machine power

4 kW



Rolling speed

5 m/min

WM11 6×1500 mm is a practical rolling machine for long, thinner sheets.

The hydraulic drive, 3-roll operating system and 1500 mm working width enable convenient, repeatable sheet-metal processing.

Why choose the WM11 hydraulic 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 plate up to 6 mm

The machine is designed for rolling sheet metal up to 6 mm thick.

3M

1500 mm working width

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

✕

Various radii

Roll adjustment enables the production of different bending radii.

✕

Workshop and production work

The robust design 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 give it the required shape. The two lower rolls guide the sheet, while the upper roll provides pressure and forms the radius.

1

Material support

The lower rolls stabilise 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 component is achieved.

Various types and variants of rolling machines available

The choice of rolling machine depends on plate thickness, working width, production type and required accuracy. Variants are available 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

Chosen 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 ranges

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



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What can you use a hydraulic rolling machine for?

The WM11 6×1500 mm hydraulic rolling machine is suitable wherever controlled rolling of long sheet-metal plates and forming of components 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 steel sheets.
- Manufacturing arc segments and pipes.
- One-off work and short production runs.



Light and medium structures

Steel components

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

Full technical specification

Model **W11-6x1500**

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

Maximum rolling thickness **6 mm**

Maximum rolling width **1500 mm**

Upper roll diameter **160 mm**

Lower roll diameter **140 mm**

Rolling speed **5 m/min**



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Power**4 kW**

Rolling system**3-roll**

Drive**Hydraulic**

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

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