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Hydraulic 3-roll plate rolling machine WM11 6×3200 mm





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6 mm

3200 mm

5,5 kW

Machine description



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Compact, efficient rolling machine for long sheet-metal blanks

WM11 6×3200 mm is a hydraulic 3-roll plate rolling machine designed for the precise bending and rolling of sheet metal up to **6 mm** and with a working width of **3200 mm**.

It is an excellent solution for companies that need to work with longer sheets, but do not require a machine for very thick plate. The three-roll arrangement enables a controlled curve, cylinder or structural segment.

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



Working width

3200 mm



Max. sheet thickness

6 mm



Machine power

5,5 kW



Rolling speed

4 m/min

WM11 6×3200 mm is a practical rolling machine for long, thinner sheets.

The hydraulic drive, 3-roll working system and 3200 mm working width make repetitive sheet-metal operations easy to carry out.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

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

H



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Hydraulic drive

Smooth operation, good process control and convenient handling during sheet rolling.

6

For sheets up to 6 mm

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

3M

3200 mm width

The long working width allows processing large sheet-metal blanks.

✕

Various radii

Roll adjustment makes it possible to achieve different bending radii.

✕

Workshop and production work

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, sheet metal 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 stabilize the sheet 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 shaping of the required radius.

3

Repeatable rolling

The material is passed through the rolls until the desired curve, cylinder or structural element is achieved.

Different types and variants of rolling machines available

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

3 rolls

3-roll plate rolling machines

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

4 rolls

4-roll plate 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 variants for large formats.

Thickness

Different bending ranges

Models for thinner sheet metal are available, as well as heavier versions for working with thicker material.

What can you use a hydraulic rolling machine for?

The WM11 6×3200 mm hydraulic rolling machine is suitable wherever controlled rolling of long sheet-metal



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blanks and forming of components with a repeatable radius are required.



Production of housings and guards

Curves 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.
- Making curved segments and pipes.
- One-off jobs and short production runs.



Light and medium-duty structures

Steel components

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

Full technical specification

Model **W11-6x3200**

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

Maximum rolled sheet thickness **6 mm**

Maximum rolled sheet width **3200 mm**

Upper roll diameter **220 mm**

Lower roll diameter **160 mm**

Rolling speed **4 m/min**

Power **5,5 kW**

Rolling system **3-roll**

Drive **Hydraulic**



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Function **Bending and rolling sheet-metal blanks, also with a pre-bending function**

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