

0401 – Bench for band saw levelling with a rolling device



The bench levelling with the rolling device is intended for work on the levelling and rolling of band saws up to 150 mm wide. The feed speed of the feed tape is continuously adjustable, the feed direction is reversed. The principle of operation consists in creating rolling scratches on the surface of the saw when the saw blade is rolled between the drive rollers of the mill. The pressure of the rollers exceeds the yield strength of the saw material and the central part of its blade becomes longer than the edges, which provides compensation for the thermal expansion of the cutting edge of the saw during the sawing process.

The rolling device is equipped with rulers – simple straightening and calibration

The maximum width of the saw: 150 mm

The length of the saw: 6 – 9 m

The speed of the tape feed: 5 - 12 m/min

Power Supply: 220/50 V/Hz

Installed capacity: 0.75 kW

Overall dimensions: 2000x1500x650 mm

Weight: 160 kg

HP-1100 - Carbide inserts soldering device



Installation of soldering carbide plates, is designed for soldering (desoldering) carbide plates to the teeth (from the teeth) of circular saws.

Diameter of the saw: 200 - 1200 mm

Diameter of the saw: 32 – 90 mm.

The limits of regulation of the angle of the tooth: 10 -35 degrees

Soldering voltage: 0 - 4 V

Installed power: 1.0 kW

Power supply: 380/50 V / Hz

Overall dimensions: 1600x400x1100 mm

Weight: 43 kg

0203 Band saw arc welder



The unit is intended for electric arc welding of band saws with subsequent heat treatment of the seam. The installation is used in conjunction with a semi-automatic welding machine *.

Device is intended for:

- alignment of a saw tape before welding;
- preliminary heating of a saw tape before welding;
- welding;
- heat treatment (tempering) of the weld.

Thickness of welded band saws: 0.8 -1.5 mm

Width of welded band saws: up to 160 mm

Preheating temperature, °C: recommended up to 250°, limit is up to 400°

Preheating heater power: 2 kVA

Accuracy of temperature adjustment: $\pm 10^{\circ}\text{C}$

Heat treatment temperature, °C: Recommended up to 700°, Limit up to 1000°.

Power of the heat treatment unit: 1.6 kVA

Overall dimensions: 1500x600x1200 mm

Weight: 120 kg

Welding semi-automatic machine is not included in the delivery.

0200 – Band saw welder with a set of accessories



Welding installation is the main part of the equipment for the repair and manufacturing of band saws with a width of 20-50 mm. The unit operates in an automatic mode with the ability to select the mode of welding and annealing. The principle is based on the butt welding method with shielding gas. Annealing – by electric current with an adjustable heating pulse duration.

Thickness of the welded saw: 0.5 - 1.5 mm

Width of the welded saw: 20 - 50 mm

Setting accuracy: ± 0.1 mm

Strength of the welded seam: 90 - 95%

One repair time: less than 10 minutes

Power supply: $\sim 380/50$ V / Hz

Consumed welding power (0.3 - 0.5 sec.) : 20 kW

Annealing power consumption: 3 - 4 kW

Shielding gas: AGAMIX

Gas consumption per welding: 0,003 m²

Overall dimensions: 550x650x500 mm

Weight: 50 kg

0200-02 - Grinding machine for stripping welded seam.



The grinding machine is an integral part of a set of equipment for the repair and manufacture of band saws from 20 to 50 mm wide. It is intended for processing a welded seam of band saws after welding. The grinder has a desktop version (attached to the table). The drive of the grinding stone from the electric motor, and the flow is carried out manually.

The thickness of the tape: 0.5 - 1.5 mm

Stripping adjustment accuracy: ± 0.1

Power: $\sim 380/50$ V / Hz

Power consumption: 0.12 kW

Dimensions: 400x250x400 mm

Weight: 12 kg