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Walzboy

3-Roller metal forming machine

Technical data

Maximum working width :	300mm	<u>Max material thickness at 300mm width</u>	
Diameter of rollers:	30mm	Steel sheet St37	1.00mm
Minimum bending dia:	35mm	Stainless steel	1.00mm
Maximum bending dia:	no limit	Aluminium and copper sheet	2.00mm
Driven rollers:	2	Brass	1.00mm
Weight:	11kg	Gold, silver and soft metal	2.00mm
		Max. thickness on narrow strips	3.00mm
		Round stock	1.0-5.00mm

The Walzboy is a very stable construction made from steel and aluminium. The three rollers are set in self-lubricating bearings in an aluminium frame. The upper and lower rollers are driven by steel gears which are enclosed by a zinc plated safety cover.

In use

After fixing the Walzboy in a vice or on a bench top you can begin to produce cylindrical or conical forms, also rings. The rear roller is adjustable upwards.

The upper roller can be removed by turning the large hand screw. The safety guard over the gears will automatically fall back in position.

The upper and rear rollers can be adjusted. On both of the driven rollers are five grooves especially for working with round stock(1.00-5.00mm)

Accessories

The work table measures 350 x 120mm and is manufactured from zinc plated steel. Due to the design of the table, the metal sheet is fed in at right angles. The guide can be mounted on the table in a variety of positions. This allow you to make spirals and work with narrower width pieces of metal.

Bench holder

This is a special attachment to mount the Walzboy (Kantboy and Schneidboy) directly on to a bench top. This will leave the vice free for other work. This practical holder can be quickly fixed/removed with four screws.

All technical data is subject to change

Instructions for use of the Walzboy

In order to make the transport easier we have not completely assembled the machine. We therefore ask you to undertake the following steps:

- fix the Walzboy in a vice or the bench holder
- screw the handle (1) in position as shown
- insert the two adjusting screws (3) into the sides
- insert the two screws (6) for the rear roller adjustment
- mount the work table (if ordered) to the Walzboy with the two inner hexagonal screws
- if you have not purchased the work table, mount the angle guide, which is supplied, to the front of the Walzboy

Now the Walzboy is complete and ready for use!

How to use your Walzboy

- set the rear roller (5) by adjusting the screws (6) into its lowest position.
- adjust the upper roller (4) so that the metal you want to form fits between the driven rollers.
- now bring the top roller (4) down, with the screws (3) until the metal between the driven rollers is lightly clamped in position, making sure that the pressure is evenly distributed. Don't overtighten the adjusting screws (3)
- adjust the rear roller (5) evenly, a small amount upwards, using the the screws (6) (look at the scale)
- turn the handle until the metal reaches its required shape or feed it several times through the machine.
- adjust the rear roller (5) evenly with the screws (6) and feed the metal repeatedly through the machine until the correct shape/diameter is reached.
- when you want to form a complete ring or cylinder, you will have to remove the upper roller (4) in order to release the shape from the machine. Remove the screws (3) completely and take the upper roller together with the work out of the machine. Slide the work off, and replace the roller.

Make sure that all the rollers are kept clean and free from foreign material. If the machine is not in daily use, lightly oil the rollers in order to keep them rust free.

We wish you success with our machine.