

VOSS tube-bending device operating instructions

Use

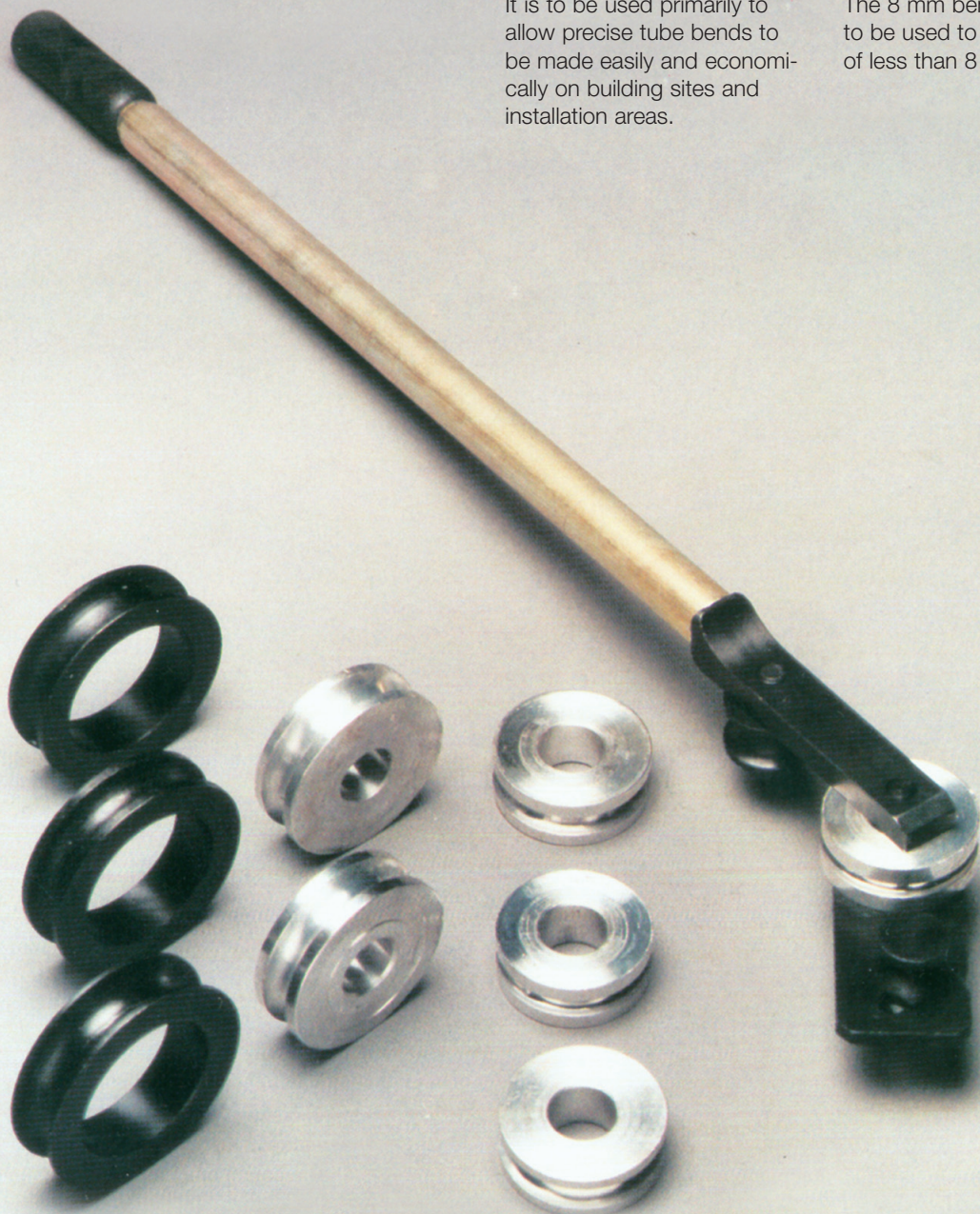
The VOSS tube-bending device has been designed specially as a light, mobile, hand-operated system.

It is to be used primarily to allow precise tube bends to be made easily and economically on building sites and installation areas.

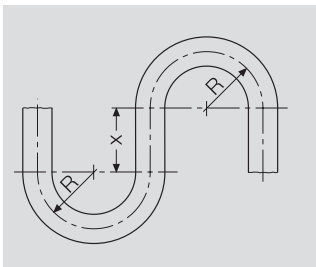
Area of use

Tubes with an external diameter of 22 mm can be bent in accordance with the table shown overleaf.

The 8 mm bending roller is to be used to bend tubes of less than 8 mm PED.



Roller for Tube OD	Gas tube	R	x
10	1/8"	36	35
12		38	35
14	1/4"	38	35
15		45	40
16		45	40
18	3/8"	53	44
20		53	48
22	1/2"	54	48



Product description

The device can be fitted into a vice by means of a hexagonal stud attached to the base plate.

It consists of the following parts:

- Base plate
- Bending lever
- Bending roller
- Counter roller
- Rotating stud
- Pivot pin/Pressure roller

The bending roller for PED 10 mm has to be inserted as a core in the bending roller for PED 18 to 20 mm. The weight of the device is approx. 5 kg.

Bending process

- Tighten the base plate
- Place the holding roller in the corresponding spacer hole and tighten
- Put the bending roller that fits the tube to be bent on the pivot pin
- Push the marked tube (start of the arc in the tube to be bent) between the bending and the holding rollers
- Line up the tube; the mark (start of tube arc) must be exactly vertical on the centre of the bending roller, i.e. the centre of the pin, mark and the longitudinal axis of the tube form a right angle.
- Attach the bending lever. The pressure roller must be located behind the tube to be bent
- Move the pressure roller of the bending lever onto the tube.

Bring the zero-setting of the gradation scale to bear by turning the bending roller with the notch located on the point of the bending lever.

- By a corresponding pull on the bending lever and light pulling of the tube bend the tube to the desired angle
- Compensate spring-back in the tube by lightly re-bending
- Removing the tube arc; use the bending roller if required in the case of complex heavy bending moulds

Maintenance

The VOSS tube-bending device is maintenance-free

Delivery package

The VOSS bending roller is supplied complete with 9 rollers for Tube OD of 8, 10, 12, 14, 15, 16, 18, 20 and 22 mm.

Order No. 5 9 94 06 00 00

