Directions for use of the MBV 2000 P Vice

Composition of the MBV 2000 P Vice (see Fig.1**) :**

1. Base with a fixed jaw
2. Sliding jaw
3. Positioning crank
4. Steel tube
5. Pneumatic unit

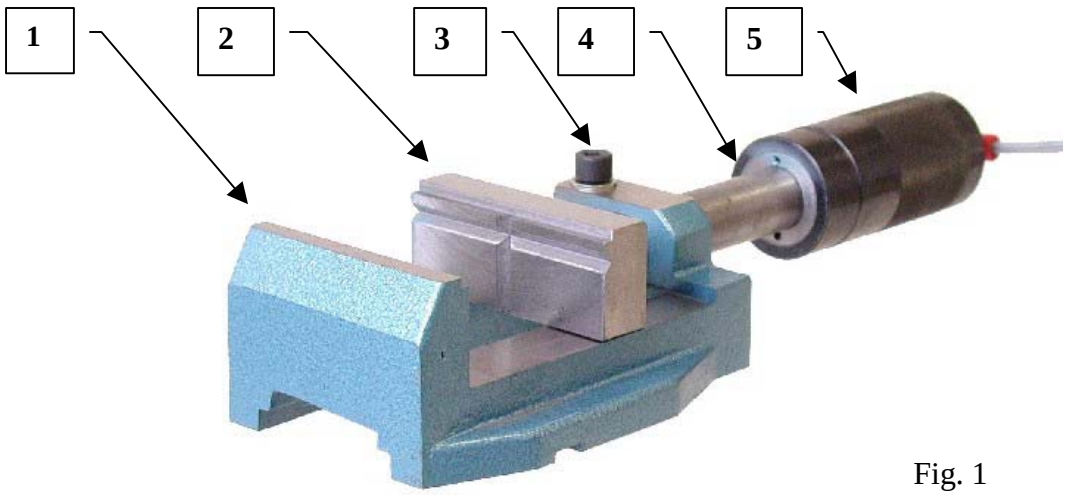

Fig. 1

1. General

The vice is fastened to the working board using M12 screws. The steel tube (3) must fit closely to the Sliding jaw (2) before clamping. If there is a gap between the Steel tube (3) and the Sliding jaw (2), it is necessary to tighten the Positioning crank (4) and by turning the cylindrical body of the Pneumatic unit (5) counterclockwise to tighten the Sliding jaw (2) so that it can fit finely closely to the face of the Steel tube (3). When working with the vice, by loosing the Positioning crank (4) pull the whole clamping set (2,3,5) closely up to the clamped object with a max. gap of + 4mm (for safe clamping of the pneumatic-tyred roller). By tightening the Positioning crank (4), the clamping set (2,3,4) will be locked again. Then you can select a required type of clamping.

2. Mechanical clamping

The mechanical stroke from the locked position is 5mm. By turning the cylindrical body of the Pneumatic unit (5) clockwise, clamp the clamped object mechanically. By turning the cylindrical body vice versa, unclamp it.

3. Pneumatic clamping

The pneumatic stroke from the locked position is 4mm. The pneumatic piston clamps under pressure. When the piston is released, return springs provide automatic unclamping of the clamped object. The size of the clamping power can be set according to the air pressure gauge. ATTENTION!! Max. working air pressure .... 0.8 MPa.

4. *Warning!!*

Before the first starting, open the vice to 80 mm at least, turn on the air intake and verify the functionality. Before clamping by the pneumatic unit, only the clamped object is allowed to be in the clamped space. There is a risk of injury in case of careless handling (e.g. crushing of fingers!!).