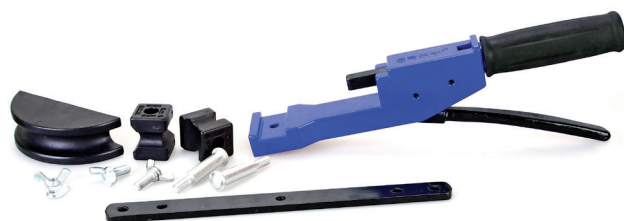# LK Bending Tool PAL Multi 16-32 (Art. no. 187 58 99)
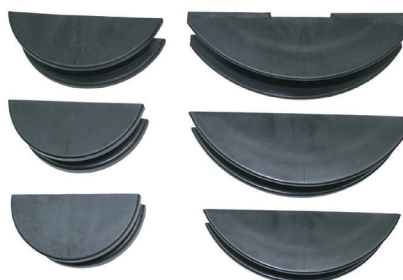
Description

LK Bending Tool is specially adapted for the controlled bending of LK PAL Universal Pipes. The bending angle can be adjusted up to 180°. LK Bending Tool is designed for PAL pipes with an external dimension of 16-32 mm.

The following components are included in the box with LK Bending Tool:

1 x main unit with a handle and a hand-lever.

1 x crossbar.

2 x variable matrices.

2 x stud bolt with wing nuts.

1 x wing bolt.

6 x detachable matrices (one for each dimension):

- 1014 not for LK pipes
- 1216 is for dimension 16
- 1418 not for LK pipes
- 1620 is for dimension 20
- 2025 is for dimension 25
- 2632 is for dimension 32

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ASSEMBLING THE TOOL

The variable matrices (x 2) are mounted to the crossbar by attaching a stud bolt and wing nut to each matrix (see Figs. 1-6).
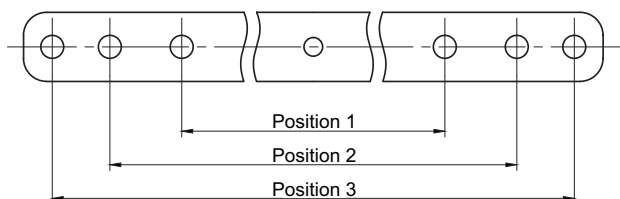
1.

> **Note!**
> First choose the position in accordance with the next step (see Fig. 2.)

2.

Position 1
Position 2
Position 3

When bending pipes with outer dimensions of 16 and 20 mm the variable matrices are placed in position 1 (see Fig. 2). When bending pipes with outer dimensions of 25 mm the variable matrices are placed in position 2 (see Fig. 2). When bending pipes with outer dimensions of 32 mm the variable matrices are placed in position 3 (see Fig. 2).

3.

4.

5.

6.

Example of the variable matrices placed in position 3.

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To mount the crossbar to the tool the wing bolt should be screwed on from the underside of the tool (see Figs. 7 and 8).

7

8.

BENDING PIPES

Mount a matrix for the desired pipe dimension to the tool. Turn the variable matrices to the correct position matching the pipe outer diameter. The dimension can be seen at the top side of the variable matrices. Then place the pipe between two secured matrices and the detachable matrix (see Figs. 9-11).
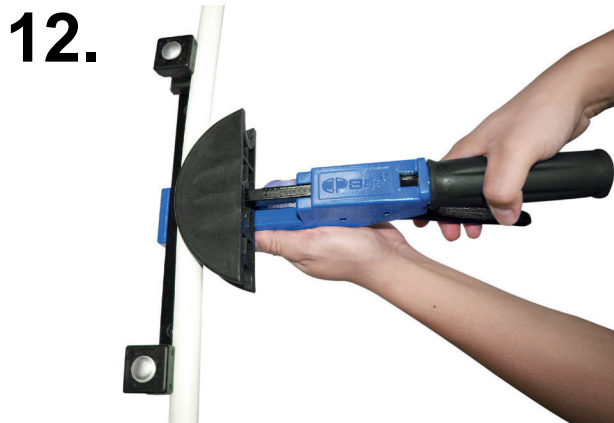
9.

10.

11.

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To begin bending, press the hand-lever towards the handle. Repeat until the required pipe angle is achieved. (see Figs. 12-13).

12.

13.

Once the pipe has been bent, hold the tool with one hand and release the lever from the handle to free the pipe from the matrices (see Fig. 14-16).

14.

15.

16.

Bending radius

- For 16 pipes the bending radius is 49 mm, gives 3,1xDy.
- For 20 pipes the bending radius is 63 mm, gives 3,2xDy.
- For 25 pipes the bending radius is 87,5 mm, gives 3,5xDy.
- For 32 pipes the bending radius is 110 mm, gives 3,4xDy.

Note!

1. Ensure that the correct matrix is used for the respective pipe dimension. The dimension is specified for each matrix.
2. If the hand-lever does not spring back when pressed towards the handle the spring should be replaced.
3. LK Bending Tool is intended for LK PAL Universal pipes and is not designed for bending metal pipes.
4. 14 and 18 dim pipes are not included in LK's range.

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