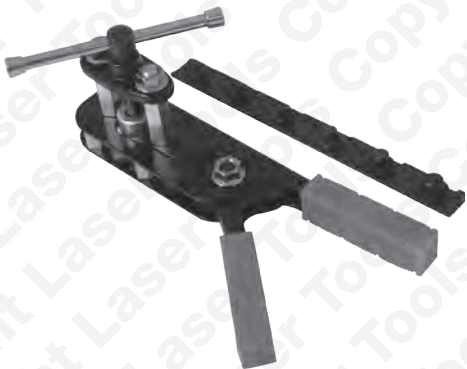


LASER[®]

Brake Pipe Flaring Tool

Produces male and female flares



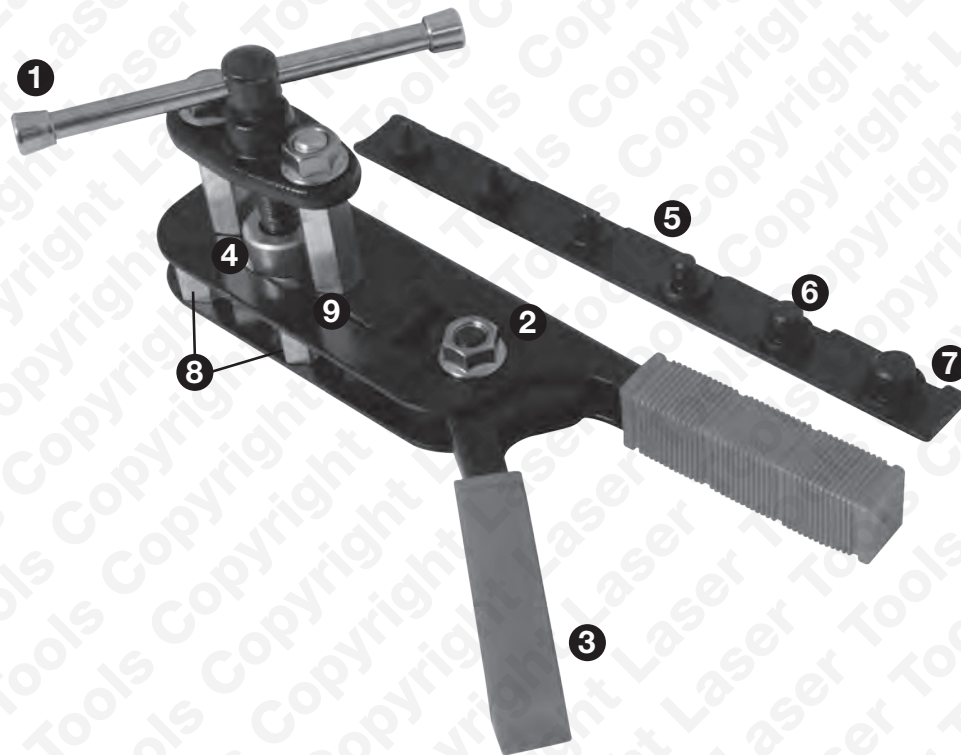
The Flaring Tool is distributed by
The Tool Connection.

If you would like details of other tools and
equipment in our range, please ring or
write for a copy of our catalogues.

Components

1. Compressing Screw
2. Grip Pressure Adjusting Nut
3. Grip Pressure Locking Handles
4. Flare Cone Mandrel
5. Former Bar/Depth Gauge
6. Male Flare Former
7. Depth Gauge Notch
8. Clamp Blocks
9. Mandrel Retaining Post

3434



Guarantee

If this product fails through faulty materials or workmanship, contact our
service department direct on: +44 (0) 1926 818186. Normal wear & tear are
excluded as are consumable items & abuse.



www.lasertools.co.uk

Distributed by The Tool Connection Ltd
Kington Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



SAFETY FIRST

Please read this section carefully

Do not attempt to flare unevenly cut tube ends. Tubing to be flared must be cut square and be deburred inside and outer edges.

Failure to observe tube preparation will result in unsatisfactory flares which could lead to dangerous brake failure.

It is advisable to practice making several flares with the tool until a satisfactory quality can be achieved.

INSTRUCTIONS

- 1 Turn the compressing screw (1) counter-clockwise to raise the flare cone (4)
- 2 With the Grip Handles (3) fully opened, rotate the Clamping Blocks (8) until the desired tube grip size appears centrally below the Flare Cone.
- 3 Insert the prepared tube through the bottom of the tool, between the Clamp openings.

TO FORM A FEMALE FLARE

- 4 The tube should just protrude through the upper face of the Clamp Block by approximately 1mm

TO FORM A MALE FLARE

- 5 Select the appropriate notch (7) on Former Bar (5) which corresponds to the Tube size being flared. Lay the Former Bar on edge across the opening above the Clamp Blocks with the selected Notch above the tube. Position the tube end to just touch the Notch on the Former Bar.
- 6 Close the Grip Locking Handles fully to clamp the tube firmly in the tool. It is advisable to smear the tube end lightly with the Pipe Grease provided to prevent the Former or Flare Cone from sticking in the pipe.
- 7 Push the appropriate Male Flare Former (6) into the tube end. (If it does not fit check the pipe end is properly deburred).
- 8 Swing the Compressing Screw assembly round until fully engaged onto the Mandrel Retaining Post (9). The Flare Cone should now be in position directly above the hollow face of the Male Flare Former.

- 9 Turn the Compressing Screw assembly clockwise to force the Flare Cone down until stiff resistance is felt. The correct amount of pressure to apply will soon be learnt though generally you should stop compressing as soon as resistance increases.

TO MAKE A DOUBLE FLARE

- 10 Follow instructions for Male Flare without removing the pipe from the tool, remove the Male Former and repeat Step 9 (above) thus pushing the Male Flare inside out.

NOTE: It is better to slightly under flare the tube permitting the tube fitting to complete the final forming and seating of the joint during assembly

ADJUSTMENT INSTRUCTION

This tool is factory set to grip .025/.035 wall copper tubing. As the compression of different metals and wall thicknesses vary the clamping pressure of the tool is adjustable. Should you encounter tubing that will not permit the Clamp Locking Handles (3) to fully close you should make the following adjustment.

- 1 Use 1/2" AF spanner to loosen Adjusting Nut
- 2 Use 5/8" AF spanner to turn the eccentric Adjusting Bolt (found beneath tool at opposite end of Adjusting Nut) until desired gripping pressure is obtained.
- 3 Re-tighten Adjusting Nut lightly to secure the adjustment.

AF SPANNERS AVAILABLE IN SIX PIECE SET – PART NO 0155