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Instruction Manual Part #25304Q – Rev. 6/07

Eastwood Brake Tube Flaring Tool

Part #25304

Operating
Instructions



This kit includes:

- (1) Vise Mounted Brake Flaring Tool
- (1) Rotating Die Head – Features Green and Orange Color Coding, Operation 1 and Operation 2 Dies for 3/16", 1/4", 5/16", 3/8" and 4.75mm, 45 Degree, Double Flares
- (4) Sets of Split Dies – for 3/16", 1/4", 5/16", 3/8" and 4.75mm
- (1) Lever Handle
- (1) Blow Molded Case

INSTRUCTIONS

PLEASE OBSERVE THE FOLLOWING SAFETY PRECAUTIONS:

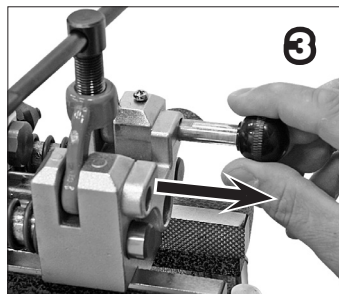
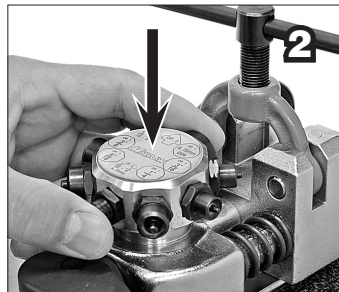
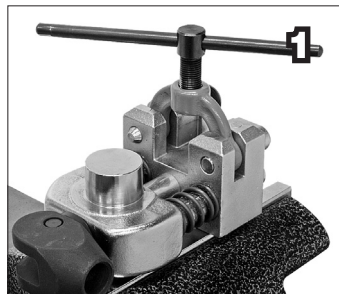
- Always wear eye protection when operating the Flaring Tool as oils, grease and metal particles may be ejected while the tool is in operation.
- Make sure that the Flaring tool is clamped securely in a vise, keep hands and fingers away from the mating tool faces.
- Wear gloves while operating this tool to avoid cuts from sharp metal edges.

Preparing Tubing:

1. Square cut the tube end. A suitable Tubing Cutter works well.
2. Chamfer the outside and ream inside of tubing and remove burrs. Be sure to clear metal chips from inside tubing.
3. Clean outside of tubing before placing into jaws.
4. Very lightly lubricate the end of the cut tubing with a dab of Anti-Seize Compound.
5. Place appropriate fittings over ends of tubing, with flare end facing outward.

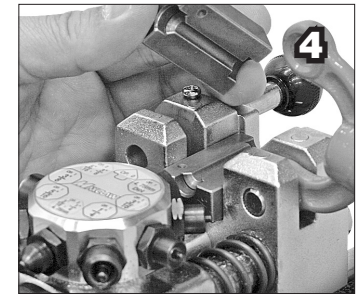
Tool Set-up and Operation:

1. Place 1-1/2" x 1-1/2" square offset base of tool (opposite the clamp) into a secure vise (fig. 1).
2. Place Rotating Die Head onto 1-1/4" round boss (adjacent to lever base). Be sure to seat head fully and snap over ball detent on side (fig. 2).
3. Place 11" foam-gripped handle into hole in lever base. Be sure to seat handle fully and snap groove into ball detent on side of hole.
4. Pull Clamp Pin (with black knob) out releasing clamp (fig. 3).
5. Rotate clamp upward.
6. Choose the Split Die size that you need, insert the dies into the rectangular recess in the tool base with the beveled counterbore end (with sizes stamped) toward the Rotating Die Head and the back end firmly against the step (fig. 4).



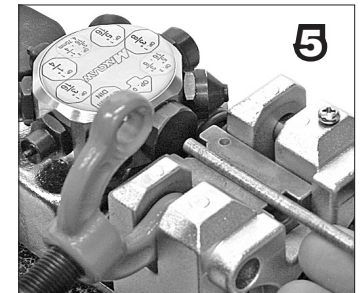
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7. Place the tube between the die halves with the tube end flush with the flared end of the Dies. The Flat Faced O.P.O (Arrow Symbol) die is a gauge used to line up the end of the tube flush with the Split Dies. Rotate Die Head so that the flat faced die O.P.O (Arrow Symbol) is facing the end of the tube. Move lever inward toward body using the O.P.O die as a stop gauge (fig. 5).

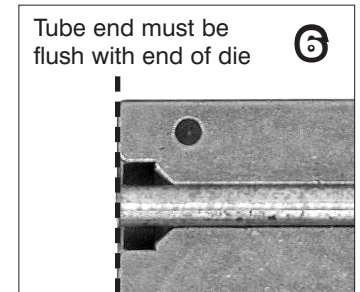


Note: The tube end MUST BE FLUSH with the end of the die set to create a complete double flare (fig. 6).

8. Rotate clamp back into place, push Clamp Pin through holes and back into the tool until the black knob seats against the body of the tool.
9. Tighten threaded retainer "T"-handle screw in clamp securely against the die set (fig. 7).
10. Spin rotating Die Head with the appropriate size OP.1 (Green Symbols) Flaring Die lined up with the end of the tube (fig. 8).
11. Move lever against tool body exerting sufficient effort to create flare, continuing until it stops (fig. 9).

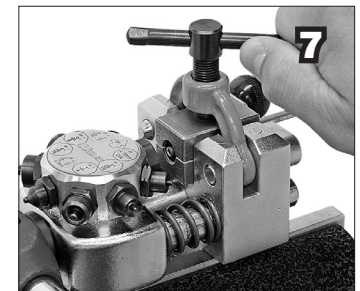


Tube end must be flush with end of die



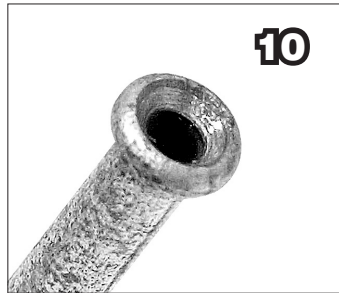
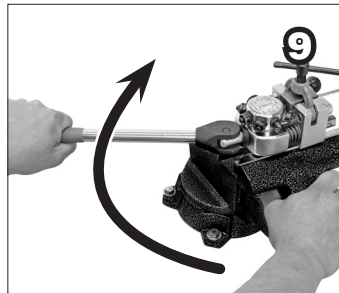
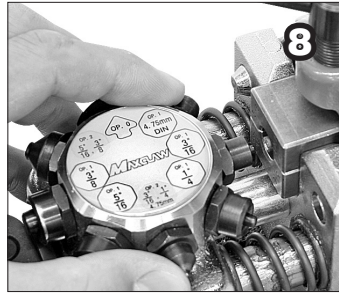
Note: at this point, a bubble flare has been created. To create a 45 degree double flare, continue with the following steps:

12. Spin rotating die head with one of the two appropriate sized OP.2 (Orange Symbols) 45 Degree Dies lined up with the end of the tube.
13. Move lever against tool body exerting sufficient effort to create the inverted portion of the double flare, continuing until it stops.



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14. Loosen threaded retainer "T"-handle screw, pull the clamp retaining pin then remove the split dies.
15. Remove the finished flared tube from the dies. A slight tap may be required to release the tube from the dies.
16. You now have a finished, pro-quality, 45 degree double flare (fig. 10).



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If you have any questions about the use of this product, please contact

The Eastwood Technical Service Department

1-866-759-2131