

Z110 Rivet Nut Placing Tool

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The Z110 is a hand operated rivet nut tool for use with M6, M8, M10 and M12 rivet nuts. Additional nose pieces are available to allow it to install M5, M6 and M8 rivet studs. The tool incorporates a highly efficient ratchet action which allows the rivet nut to be installed with minimum effort. The small size is ideal for use in limited access applications. The tool comes in a wooden carry case with nose equipment to place M6-M12 rivet nuts. The case also has compartments to carry a selection of rivet nuts and spare mandrels



Technical Data:

Dimensions

Length 152 millimetres
(including mandrel)

Height 205 millimetres

Weight 1.1 Kg

Capacity

M6-M12 steel or
aluminium rivet nuts
M6-M10 stainless
steel rivet nuts

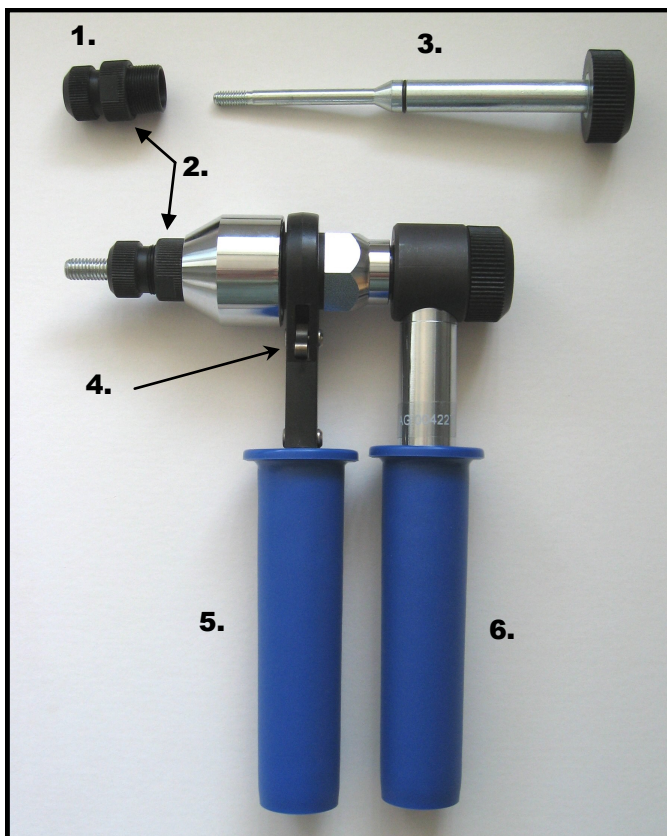
M5, M6, M8 Rivet
studs

Tool assembly

1. Select appropriate nose tip (item 1) and screw this onto the tool. Do not tighten at this stage.
2. Select the matching mandrel (item 3) and push this into the back of the tool until it is fully engaged. Some resistance and a slight click may be noticeable.
3. The mandrel can be removed by simply pulling it back out.

Setting the tool up

1. With the tool facing as pictured set the ratchet switch facing towards you (item 4) in the up position.
2. Holding the bottom handle (item 5) still, rotate the top handle clockwise (item 6) until it locks. The tool is now at maximum stroke, and the ratchet will be engaged. The handles may now be rotated to a comfortable working position.
3. Screw a rivet nut onto the mandrel until approximately 1 millimetre of mandrel protrudes through the fastener.
4. Screw the nose piece out until it engages the head of the fastener.
5. Tighten the locking nut (item 2) so that the nose tip is fixed into position.



Maintenance

Occasionally put some light grease on the shaft and thread of the mandrel. If required Zygology can recommend and supply a suitable grease.

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Using the tool

Zygology recommends that you try the tool in a test piece of material of similar thickness to the application prior to installing a rivet nut for the first time.

1. Wind a rivet nut onto the mandrel until it comes into contact with the nose tip.
2. With the tool facing as pictured put the ratchet lever into the up position.
3. Insert the tool with the rivet nut on the mandrel into the prepared hole in the panel.
4. Holding the top handle still, rotate the bottom handle to and fro. The rivet nut will draw up and form a flange on the rear side of the sheet. **Do not pull the insert up too tightly as you may strip the thread in the insert or damage the tool mandrel.**
5. When the insert is correctly installed move the ratchet switch to the bottom position and operate the handles to rotate the screw in the opposite direction by 1/4—1/2 a turn. The mandrel can then be unscrewed from the rivet nut by rotating the knurled knob on the back of the tool.
6. To set another rivet nut rotate the top handle clockwise until it comes to a stop and the mandrel is fully forward again. Do not apply excessive force at this stage as the tool can become jammed.
7. Repeat the process from step 1 above.