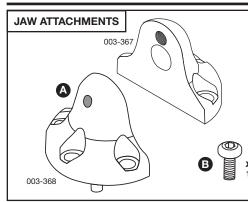


Alexandre Ring Fixture

INSTRUCTIONS • #003-782 and #003-783

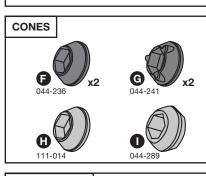
1. PARTS LIST AND DESCRIPTION



- **A. Bell-Shaped Jaw Attachments:** Attaches to the GRS MicroBlock® jaws to provide multiple workholding solutions for rings. Allows mounting of vertical and horizontal drawbars.
- B. Button-Head Cap Screws (M5 x 0.8mm x 10mm): Fastens the Bell-Shaped Jaw Attachments (A) to the jaws of the MicroBlock®. Tighten with included 3mm hex wrench.

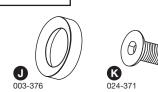
DRAWBARS 003-370 003-371 003-369

- C. Short Horizontal Drawbar: The mandrel and cone support bar that attaches to the Bell-Shaped Jaw Attachments (A).
- **D. Long Horizontal Drawbar:** The mandrel and cone support bar that attaches to the Bell-Shaped Jaw Attachments (A). Accommodates two mandrels at once, allowing users to work on two rings at the same time or work on one wider ring.
- **E. Vertical Drawbar:** The mandrel and cone support bar that is clamped in place by the Bell-Shaped Jaw Attachments (A).



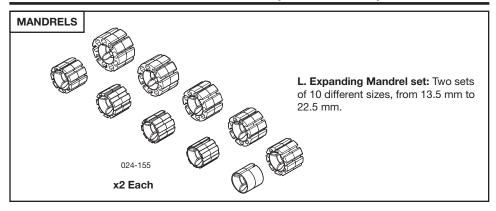
- **F. Standard Cone (plastic):** Allows the user to set rotational mandrel drag.
- **G. Locking Cone (plastic):** Does not allow for mandrel rotation.
- **H. Standard Cone (steel):** Allows the user to set rotational mandrel drag.
- I. Double-Sided Cone (steel): Placed between two mandrels on the Long Horizontal Drawbar (D) for even expansion.

OTHER PARTS

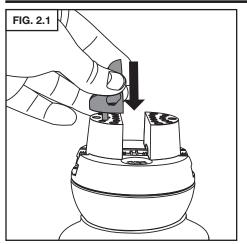


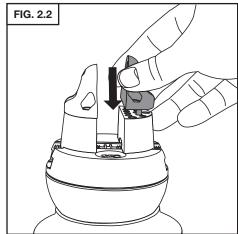
- **J. Cone cover (steel):** Allows for even expansion of the mandrel in vertical applications.
- **K. Countersunk Screw (M5 x 0.8mm x 10mm):** Pulls the Vertical Drawbar **(E)** into the cones, expanding the mandrel into the inner diameter of the ring. Tighten with included 3mm hex wrench.

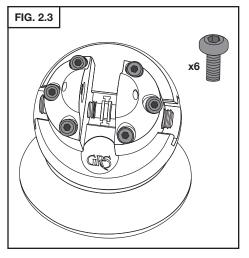
1. PARTS LIST AND DESCRIPTION (CONTINUED)

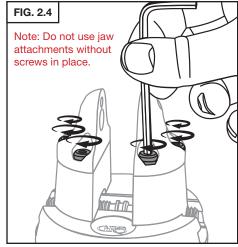


2. JAW ATTACHMENT INSTALLATION



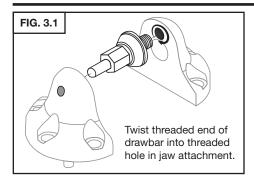


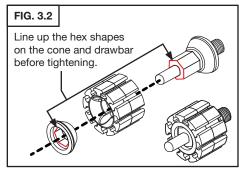


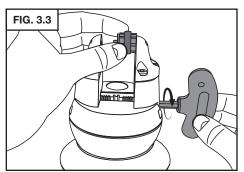


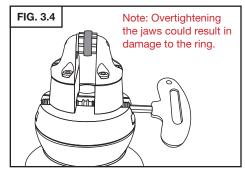
Page 2 of 4 LIT-424

3. SHORT HORIZONTAL DRAWBAR INSTALLATION

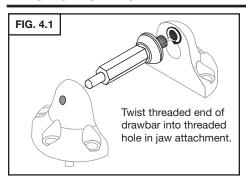


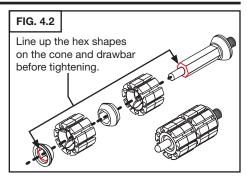


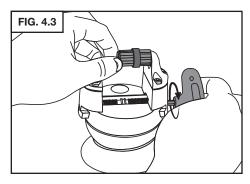


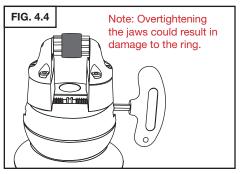


4. LONG HORIZONTAL DRAWBAR INSTALLATION

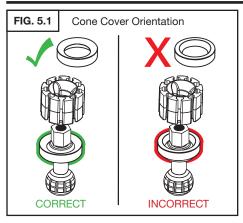


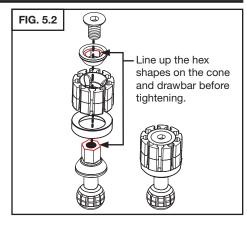


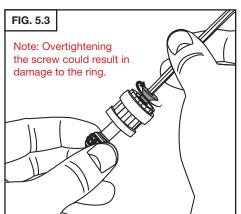


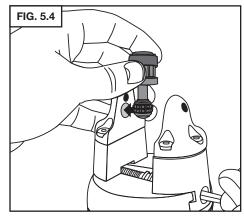


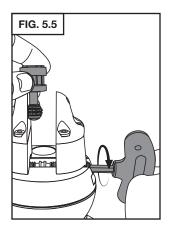
5. VERTICAL DRAWBAR INSTALLATION

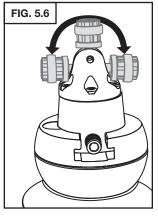


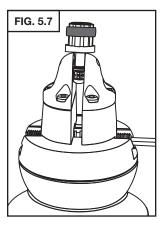












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