⚠ WARNING

Read and understand these instructions, the press tool instructions, the fitting manufacturer's instructions, the ASTM F 1807 standards and the warnings and instructions for all equipment and material being used before operating this tool to reduce the risk of property damage and/or serious personal injury.

- **Keep your fingers and hands away from the jaws during the press cycle.** Your fingers or hands can be crushed, fractured or amputated if they become caught in the jaws, or between the jaws and any other object.
- **Never attempt to repair a damaged jaw. Discard the entire damaged jaw.** A jaw that has been welded, ground, drilled or modified in any manner can shatter during pressing resulting in serious injury. Failure to replace the entire jaw may result in component failure and serious injury.
- **Always wear eye protection to reduce the risk of eye injury.**
- **Only use a RIDGID® Press Tool with RIDGID jaws.** Use of other tools may damage the jaws or make improper connections.

If you have any question concerning this RIDGID® product:

– Contact your local RIDGID distributor.

– Visit www.RIDGID.com to find your local RIDGID contact point.

– Contact Ridge Tool Technical Service Department at rtctechservices@emerson.com, or in the U.S. and Canada call (800) 519-3456.

Description

The RIDGID ASTM F 1807 press jaws, when used with appropriate RIDGID compact press tools, are designed to mechanically press ASTM F 1807 copper crimp rings to the required dimensions for proper installation.

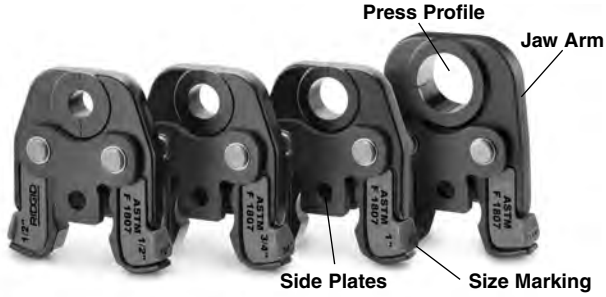

Figure 1 – ASTM F 1807 Press Jaws

Press Jaws and F 1807 Gauges

Catalog No.	Description
22958	1/2" ASTM F 1807 Compact Jaw
22968	3/4" ASTM F 1807 Compact Jaw
22973	1" ASTM F 1807 Compact Jaw
22978	1 1/4" ASTM F 1807 Compact Jaw
29583	3/8" - 1" ASTM F 1807 Go/No-Go Gauge
23898	1 1/4" ASTM F 1807 Go/No-Go Gauge

NOTICE When used properly, RIDGID ASTM F 1807 jaws make connections that conform to ASTM F 1807. Selection of appropriate materials and joining methods is the responsibility of the system designer and/or installer. *Consult Press Fitting System manufacturer for selection information.*

Inspection/Maintenance

Remove jaw from press tool. Clean any oil, grease or dirt from the jaw to aid inspection and improve control. Make sure that the jaw is clearly marked as to its use. Do not use unmarked jaws.

Before use, closely inspect the jaws for proper assembly, completeness, binding, wear, damage or other issues which could affect proper and safe use. If any problems are found, do not use until corrected.

Inspect the press profile. If rusty, dirty or if there is fitting material build up, manually clean the press profile with steel wool, steel bristle wire brush or fine grade Scotch-Brite® (Scotch-Brite® is a registered trademark of the 3M Company) metal polishing pad. Do not use aggressive cleaning methods that may alter critical press profile dimensions.

Make sure the jaw arms move freely and the return spring closes the jaw set. If needed, lubricate pivot points with a light lubricating oil. Wipe off any excess oil.

Set Up/Operation

1. Insert the proper jaw for the application into the press tool.
2. Prepare the connection per the ASTM F 1807 standard and/or the ASTM F 1807 compliant fitting manufacturer's instructions.
3. Squeeze jaw arms to open the jaw.
4. Place open jaw around the crimp ring. Allow the jaw to close. *(Figure 2)*.

Figure 2 – Jaw Aligned with Tube and Fitting

5. Make sure that the jaw and pressing tool are properly aligned and square to the tube and fitting. With hands clear of the jaw, operate the press tool per its instructions.
6. Press the jaw arms to open the jaw and remove from the fitting. Avoid any sharp edges that may have formed on fitting during pressing operation.

Inspecting the Pressed Connection

1. Inspect the crimp for:
   - Correct crimp ring and fitting placement.
   - Correct jaw alignment with the ring. The fitting and ring should not be damaged.
   - Proper crimp ring dimensions. Measure the crimp ring per the ASTM F 1807 standard and/or the fitting manufacturer's instructions.
   - Any other issues per the fitting manufacturer.

   If any issues are found, remove and replace the fitting.
2. Test the system in accordance with the system suppliers' instructions, normal practice and local codes.