



DIFFERENT BY DESIGN™

# Framesets for JMA Connectors: Instructions

**Part numbers:**

**HCG-FS-12-01**

**HCG-FS-14A-01**

**HCG-FS-14B-01**

**HCG-FS-38-01**

**HCG-FS-78-01**

**HCG-FS-114-01**

**HCG-FS-158-01**

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18595-01 Rev A

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## Pressing Tool Safety

 **WARNING:** Read these instructions, the manufacturer's Press Tool Operator's Manual, and the connector manufacturer's installation instructions carefully before using the press tool attachments. Failure to understand and follow the contents of all instructions may result in extensive property damage, severe personal injury, or death.

**Save these instructions.** If you have any questions concerning this product, connectors, or cables, please contact JMA Technical Support: 315-431-7200 or [techsupport@jmawireless.com](mailto:techsupport@jmawireless.com).

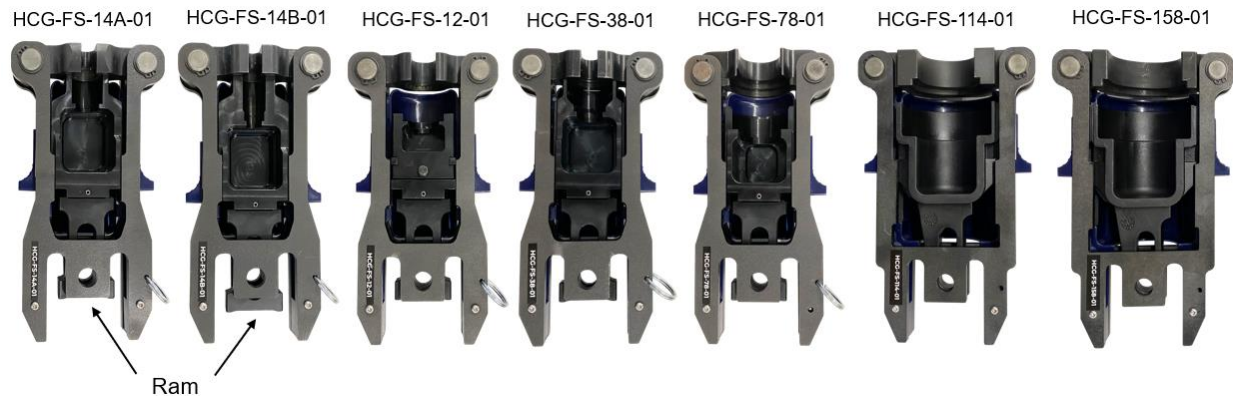
**Always wear eye protection.** Protect your eyes from dirt and other foreign objects.

**Only use a JMA-qualified compact press tool with JMA press tool attachments.** Other uses or modifying the attachments for other applications may damage the press tool, damage the attachments, and/or cause personal injury.

**Keep your fingers and hands away from press tool attachments during pressing cycle.** Your fingers or hands can be crushed, fractured, or amputated if they become caught between the parts of the pressing frame.

**Never attempt to repair a damaged press tool attachment.** An attachment that has been welded, ground, drilled, or modified in any manner can shatter during pressing, resulting in serious injury. Never replace individual components. Failure to replace the entire press tool attachment may result in component failure and serious injury. Discard the entire damaged attachment and replace it with a new attachment.

## Description



*Figure 1: complete series of HCG-FS-XXX-01 framesets*


The framesets for JMA connectors, when used with an approved JMA compact press tool, are designed to axially press connectors onto a cable, creating a reliable connection. When the trigger switch on the press tool is depressed, an internal motor powers a hydraulic pump which forces fluid into the cylinder of the tool, forcing the ram forward and applying thousands of pounds of force onto the specially designed connector.

The entire cycle duration is only 4 to 8 seconds. Once the cycle begins, the ram will not retract unless the connection is completed or the pressure release button on the side of the tool is depressed.

NOTE: Framesets may have interchangeable inserts that are specifically designed to press different styles of connectors. Refer to JMA connector instructions for complete details.

## Inspection/Maintenance

1. The frameset should be inspected daily for obvious cracks, excessive wear, or other damage. If any cracks, excessive wear, or signs of damage are found, the attachment should be discarded and replaced.

 **WARNING:** An attachment that has been welded, ground, drilled, or modified in any manner can shatter during pressing, resulting in severe injury or death. Discard and replace damaged attachments.

2. Inspect the pressing surfaces daily for dirt, rust, or debris. If required, clean the pressing surfaces with medium-heavy steel wool or a very fine grade Scotch-Brite® metal polishing pad (Scotch-Brite® is a registered trademark of the 3M Company).

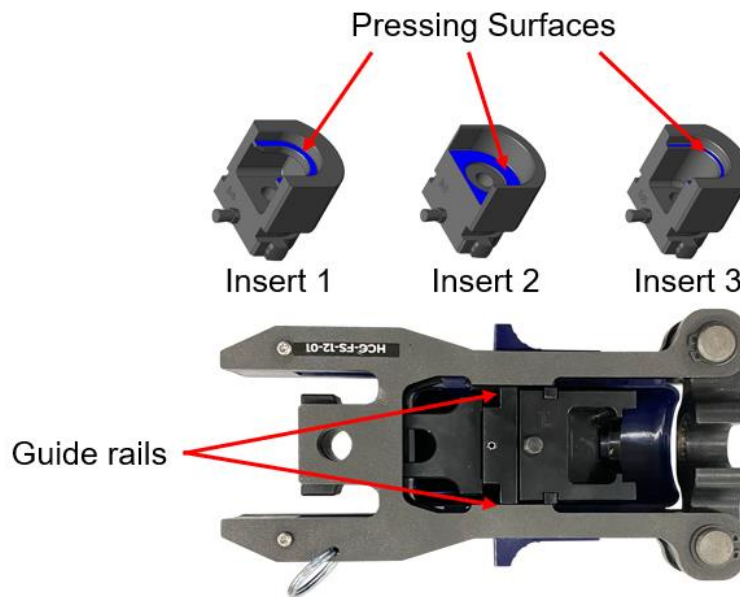



Figure 2: Pressing surfaces and guide rails

## Lanyard attachments

When climbing towers, the press tool and the frameset for JMA connectors should be secured with lanyards.

Separate lanyards should be used for the frameset and press tool.

On the 1/2" frameset only, once the insert is properly inserted, it is locked in place until the operator removes it.

 **WARNING:** Failure to separately secure the frameset and press tool may allow the unsecured component to fall, causing injury or death.

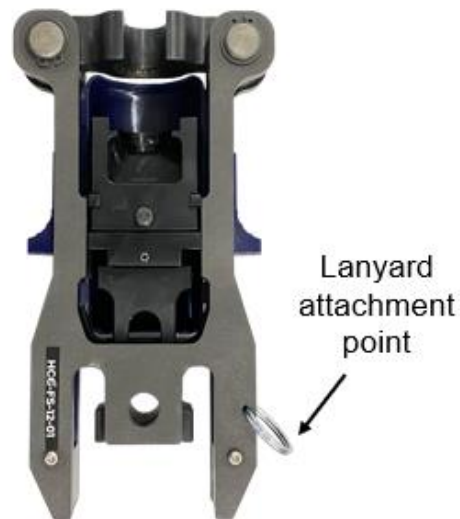


Figure 3: Lanyard attachment point

## Operating instructions

### Insert change out (1/2" frame only)

1. Remove the insert from the frame by pushing the insert, or pulling the grips, toward the rear of the tool as shown in *Figure 4*.



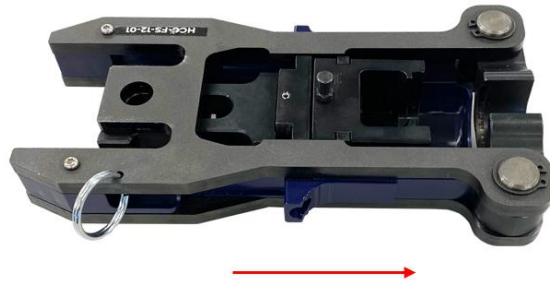
*Figure 4: Pulling back the grips*

2. Pull the insert out of the frame as in *Figure 5*.



*Figure 5: Removing the insert*

3. To place the new insert in the shoe, pull the grips toward the rear of the tool. The insert will drop freely into place.
4. After releasing the grip, the shoe will slide forward, locking the insert in place. See *Figure 6*.



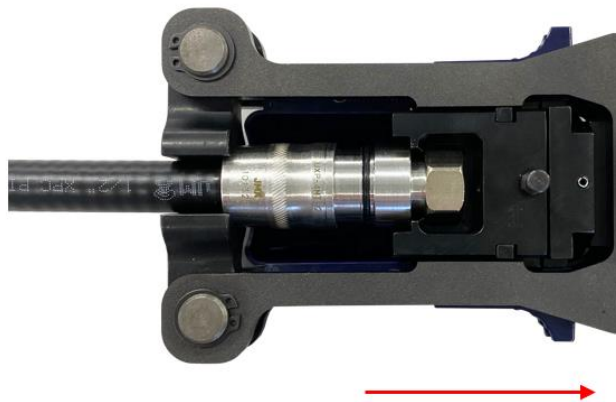
*Figure 6: Releasing the grips to lock the insert into place*

## Connector pressing

1. Prepare the cable and connector in accordance with JMA's instructions. See the [JMA Connector Matrix](#).



2. Install the frameset in the press tool in accordance with the press tool operator's manual. Verify that the correct insert, if required, is installed per JMA's instructions.
3. Utilize the pull grips to allow the connector to be dropped into the frameset, as shown in *Figure 7*.
4. Verify that the connector is properly nested between the pressing face and the counterbore of the frameset.



*Figure 7: Connector properly nested in the frame's counterbore*

5. Squeeze the trigger on the press tool and complete the connection.

 **WARNING:** To avoid pinch-point injuries, keep fingers away from the frameset during pressing.

6. Remove the connector by pulling back the pull grips. Inspect the connection to verify it is complete and correct per JMA's instructions.