

Section 8

100 Ton Ram Operating Instructions for Internal Expansion of Carbon Steel & Stainless Steel Couplings



Dixon 800 High Street • Chestertown, MD 21620 ph: 877.863.4966 fax: 800.283.4966 dixonvalve.com

100 Ton Ram Instruction Manual

(refer to the Converting the 100 Ton Ram from Swaging to Internal Expansion section of the instruction manual)







- **Note:** If the gauge reads 10,000 PSI before swaging is complete, stop. The ferrule or die used for that hose end may be incorrect. Contact Dixon for further assistance.
- *Important!* When the pressure gauge drops to zero, release the button on the remote. Pull the assembly off of the plug and, at the same time, remove the adapter(s) from the IX Master Plate.

Assembly Procedure for 2¹/₂" & 4" Threaded Male Stems

In order to prevent possible thread collapse on the 2½" & 4" male NPT stems (carbon steel) during installation, it is recommended that a female threaded adapter be installed prior to installation. The adapter part number for 2½" is **M011-384** and 4" is **M011-385**. Following is the procedure for installation:

- 1. Lubricate stem I.D. and small end of expansion plug.
- 2. Thread M011-384 or M011-385 onto threads of the male stem hand tight only!
- 3. Slide stem over pull rod thread adapter first.
- 4. Seat M011-384 or M011-385 into outer recess of the adapter.
- 5. Follow normal IX procedure.
- 6. When assembly is removed from the adapter, remove M011-384 or M011-385 and clean the stem I.D. of excess lubricant.

Procedure Changes for Stainless Steel Food Grade Couplings

- 1. Step 3a. Must use Crisco® for lubricant.
- 2. Step 3b. Must use Crisco® for lubricant.
- 3. When IX plug is removed and cleaned of lubricant, the visible lines on the plug are deposits of stainless steel. Remove the deposits with 200 400 grit wet / dry sandpaper. This is to be done after **every** pull.
- 4. Make sure the expansion plug to be used has "FD" in the part number (stamped on the large end of the plug). If "FD" is not in the part number **DO NOT USE IT!**