

## Section 9

## 100 Ton Ram Operating Instructions for Internal Expansion of H520 Couplings

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## **100 Ton Ram Instruction Manual**

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



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Slide the stem over the Pull Rod and into the recess of the Thrust Plate with the connection side of the stem facing the ram. For male stems, insert the hex into the recess of the Thrust Plate. For female stems, insert the first hex into the Thrust Plate so that the second hex will fit into the recess of the Thrust Plate. Note: There is no need to lubricate the plug or stem. The stems are pre-lubricated at the factory.
Screw or slide the IX plug, small end first, onto the Pull Rod and into the shank of the stem. For 2" and above screw the retaining nut on until it contacts the plug. Move the stem slightly to allow for slack and hand tighten the plug or nut until it is snug.
Accurately measure the hose O.D. with a diameter tape. Select the correct Holedall™ Petroleum Ferrule from the DPL based upon the Hose O.D. just measured. Note: Always measure both hose ends for accurate ferrule selection.
Make sure the hose end is cut square. Slide the ferrule over the hose until the turned over end of the ferrule contacts the end of the hose. Place a mark on the hose at the junction of the ferrule and hose. Move the ferrule away from the hose end <sup>1</sup> / <sub>8</sub> " and place another mark at the junction of the hose and ferrule. This will insure that the proper rubber displacement or pocket is maintained during the expansion process.



**Note:** If the gauge reads 10,000 PSI before internal expansion is complete, stop. Contact Dixon for further assistance. During internal expansion never stand directly in front of the ram. Visually inspect the coupling.