



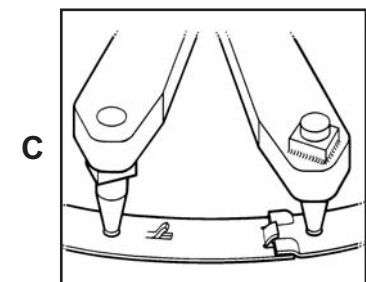
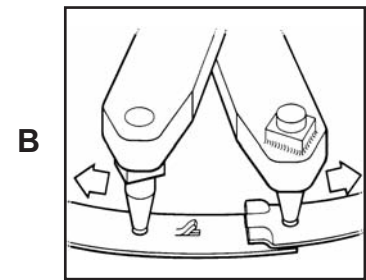
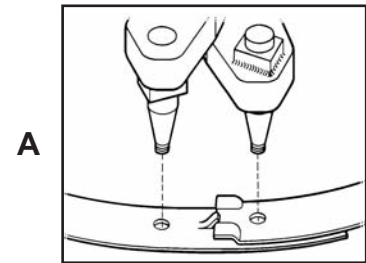
PSX:Positive Seal

INSTALLATION INSTRUCTIONS

HOLE SIZE	PSX MINIMUM INSTALLATION PRESSURE
8" - 10"	2200 psi
11" - 13"	2500 psi
14" - 18"	3000 psi
20" - 24"	3750 psi
26" - 30"	4500 psi
32" - 36"	5500 psi
38" - 42"	6000 psi

CAUTION: Adequate eye protection must be worn when installing PSX:Positive Seal using the Hydraulic Installation Tool. Keep hands on cylinder section and not on tool cross-arms.

1. Inspect hole. Wall surface must be CLEAN and SMOOTH. Fill all voids with non-shrink cementitious patching compound and allow to dry.
2. Place gasket into porthole with holes in stainless steel power sleeve at the 6 o'clock position. Gasket should rest 1/2" to 1" from the inside of the hole.
3. Place hydraulic tool inside gasket and open slightly by closing valve and pumping the handle on hydraulic unit. Align and insert studs of tool in holes of power sleeve. (see illustration A)
4. Once studs are inserted in power sleeve, pump hydraulic unit until gasket stays positioned in the hole without any hand assistance. Gasket must be aligned square in the hole at this point. Make any necessary adjustments in sleeve ends to ensure that they are aligned on top of each other.
5. Pump the hydraulic unit to start expanding power sleeve. (see illustration B)
6. Continue pumping the hydraulic unit while watching sleeve ends to make sure they stay aligned on top of each other.
7. Once the sleeve ends snap into place face-to-face, check the gauge to make sure minimum pressure (see above) has been achieved.
8. Relax the power sleeve slightly by releasing valve on hydraulic pump. This will interlock the ends of the power sleeve to ensure a positive seal.



HELPFUL HINTS

1. When sleeve ends are not aligned on top of each other, move back end of tool right or left to align sleeve ends for interlocking.
2. Due to the tapered walls our hole formers cast in the manhole, if a sleeve will not expand into the lock position, the gasket can be moved toward the outside of the manhole where the hole diameter is larger. Here the power sleeve can be interlocked at a more acceptable pressure.
3. When a lubricant (vegetable soap, liquid detergent or graphite) is applied between the power sleeve and

- the PSX gasket, the installation pressure can be reduced for greater ease of installation.
4. When minimum installation pressures are not reached, thin plastic shims are available to increase pressure. The shims are designed to fit between the steel power sleeve and the PSX Gasket and will increase installation pressures to required levels. Contact our Customer Service Department for more information and installation instructions for plastic shims.
5. All Steel power sleeves can also be manufactured to

- different lengths, if needed, so that ideal installation pressures are achieved.
6. To remove an installed PSX gasket, use the installation tool to expand the sleeve out of the interlock position. While power sleeve is expanded, use a pry tool to force one end of the sleeve up over the other end, so sleeve can be relaxed and removed.
7. If you have any questions, contact our Customer Service Department or Engineering Department.

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