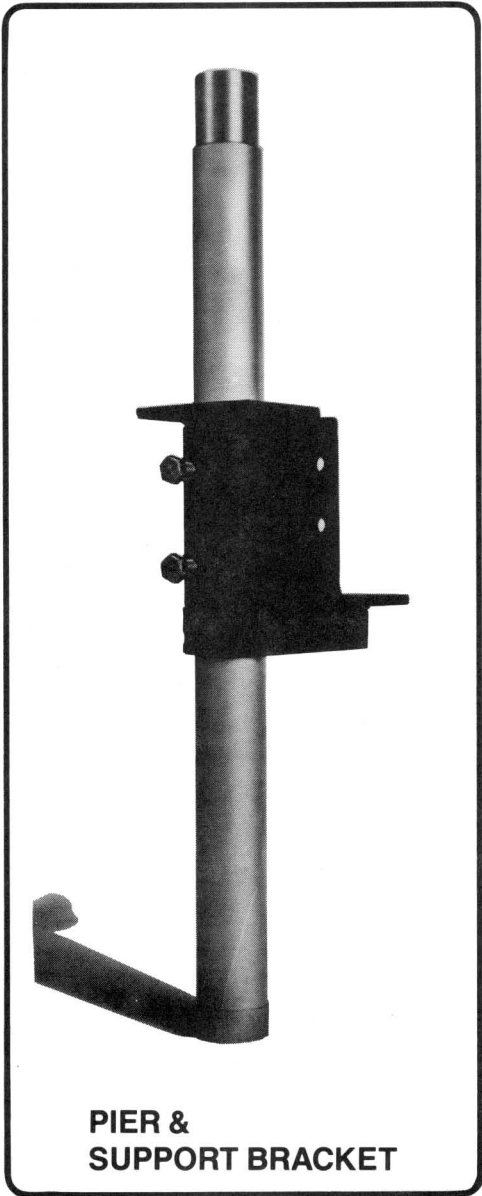
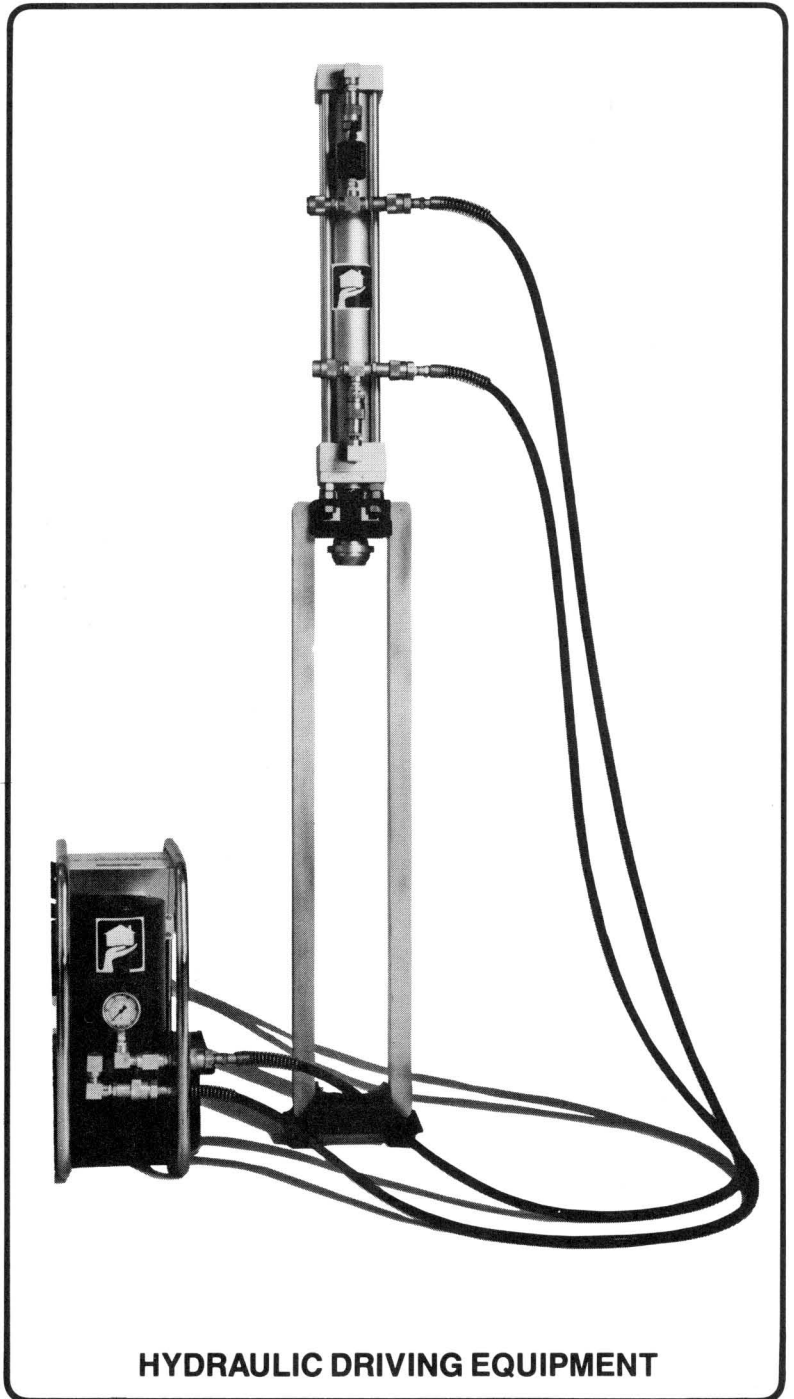


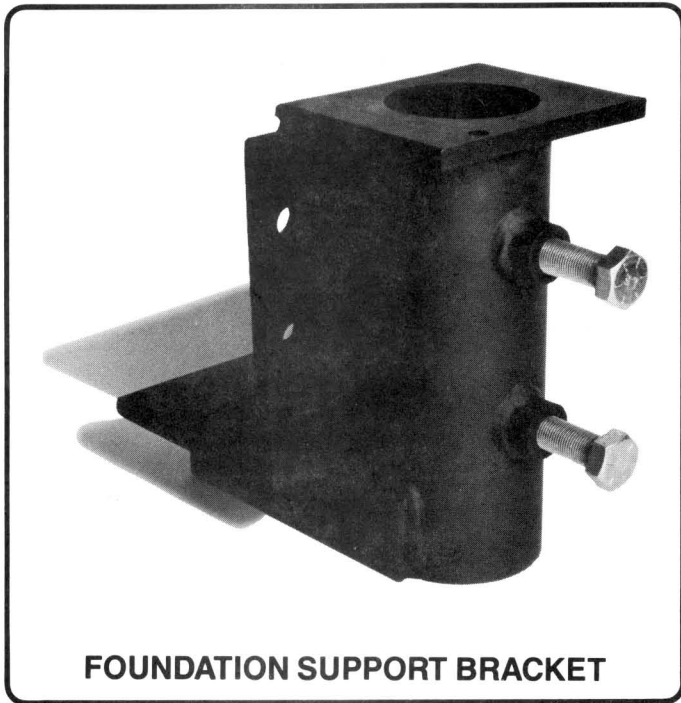
PermaJack®



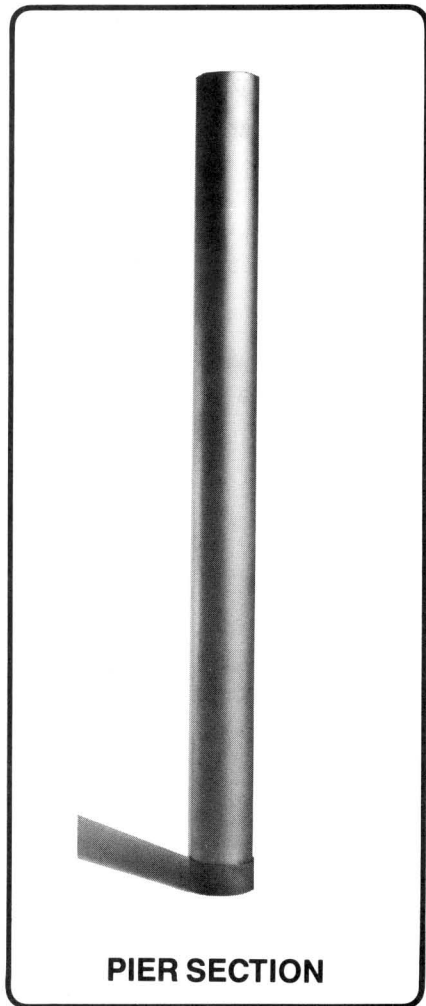
**PIER &
SUPPORT BRACKET**



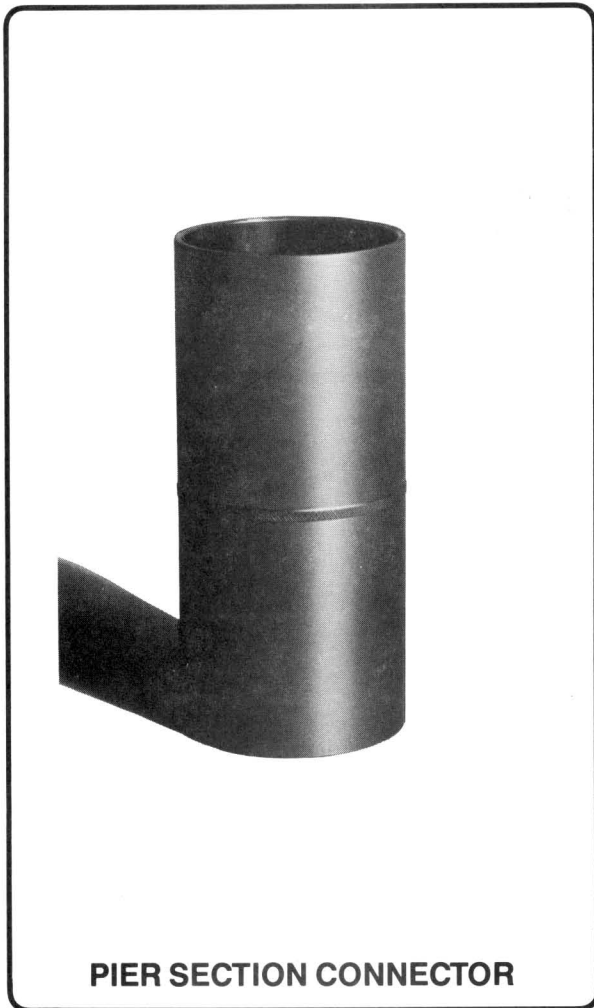
HYDRAULIC DRIVING EQUIPMENT



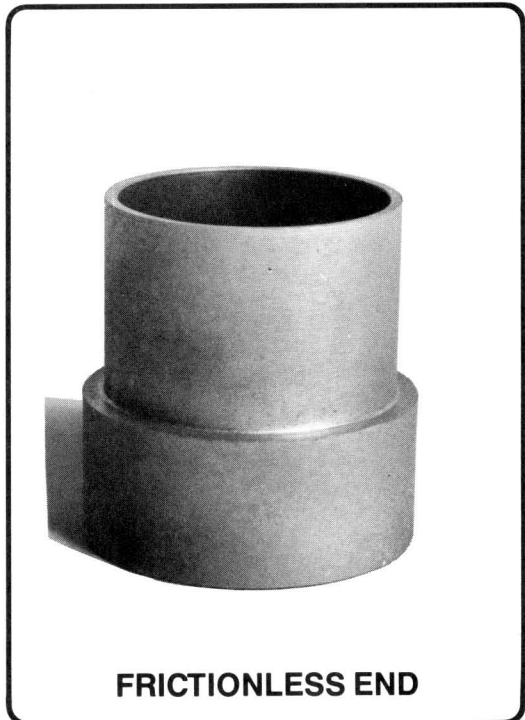
FOUNDATION SUPPORT BRACKET



PIER SECTION



PIER SECTION CONNECTOR



FRICITIONLESS END

COMPONENTS OF THE PERMA-JACK SYSTEM

- FOUNDATION SUPPORT BRACKET -** "The Heart of the System". An extremely durable assembly composed of machine welded, structural grade steel. The 1/2" thick solid steel angle is fitted to the foundation perimeter beam and secured laterally with two 1/2" diameter structural concrete expansion anchors. The bracket is proof load tested during installation to approximately 24,000 lbs. and is loaded, in-service, to between approximately 8,000 and 16,000 lbs. This bracket remains under the foundation as part of the finished Perma-Jack pier.
- ANCHOR BOLTS -** 1/2" diameter, structural concrete expansion anchors extending into foundation beam and providing lateral securing of Perma-Jack foundation bracket to foundation.
- PIER LOCKING BOLTS -** Two 3/4" diameter hex head bolts of high strength steel. Breaking strength of approximately 33,000 lbs. each.
- STEEL PIER SECTION -** 3" diameter, 1/8" wall thickness, high strength drawn steel. Proof load tested during installation to approximately 24,000 lbs. and loaded in-service to between approximately 8,000 and 16,000 lbs.
- PIER SECTION CONNECTOR -** Specially machined steel fitting to align and join steel pier sections. Ensures a tightly connected and continuous pier.
- FRICTIONLESS END -** Slightly larger on the outside diameter and smaller on the inside diameter than the steel pier sections. The frictionless end is fitted to the first steel pier section and cuts a bore slightly larger than the steel pier sections, thereby reducing the driving skin friction and allowing true end bearing of the pier to occur.
- HYDRAULIC CYLINDER -** Industrial quality component capable of developing approximately 40,000 lbs. of driving force.
- HYDRAULIC CYLINDER STAND -** Sturdily constructed with slots that slide easily onto the top flange of the foundation support bracket. Overall dimensions of the hydraulic cylinder and stand combined are 72"x10"x6" with a weight of approximately 100 lbs.
- HYDRAULIC CYLINDER ADAPTER -** Tapered machined head enables the hydraulic cylinder to be easily aligned with the steel pier sections and for the driving force to be squarely applied.
- HIGH PRESSURE HYDRAULIC PUMP -** Consists of two pumping stages capable of producing 10,000 psi of pressure. It is quiet and operates at approximately 80 decibels. It has a three position valve that maintains a static load while the pier locking bolts are being secured.