

HEAVY DUTY Reversible Push frames

For use with Full Trip FE, HSE, PRWG and Trip Edge HD-TE or TEP, PRWG-TE or TEP Model Reversible Plows

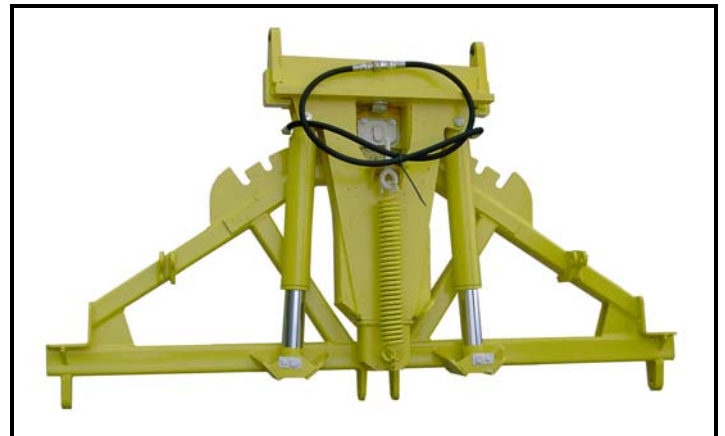
The heavy duty push frames are of steel tube and plate construction. The reversing circle section consists of a 4" x 4" x 3/8" tube (main) with two 4" x 3" x 1/4" tubes forming the lateral members. The "A" frame section is fabricated from either 3/8" formed plates or structural tubing welded to a 1" rear plate fitted with a 3/4" swivel plate, which includes 1-1/4" plate push lugs. (3) 1' 1/4" hardened steel hinge pins connect the moldboard to the push frame. It is solely designed to provide a straight line push between truck hitch and moldboard hinge points.



HD PRR DOUBLE RAM WITH CUSHION VALVE

The HD PRR Double Ram Push frame (shown at left) has two 3-1/2" x 15" double acting cylinders that reverse the plow to any position from 35° right or left of the bulldoze position. A cushion valve with a preset pressure release protects the cylinders and plow in any plowing position.

The HD PRRL Double Ram with Locking Pin (shown at right) has two 3" x 18" single acting cylinders that reverse the plow to any of nine plowing positions from 20, 30 or 37° right or left of the bulldoze position. The mechanically activated 1-3/4" Nicrolloy diameter steel locking pin and float center valve section take all pressure off the cylinders in any plowing position.



HD PRRL DOUBLE RAM WITH LOCKING PIN

Hydraulic orbital motor direct couples to a hardened worm gear at the “A” frame. The worm, in turn, meshes with a gear segment at the rear of the reversing circle to provide a mechanism which produces a mechanical advantage of 105 to 1. Whenever you release the reversing control lever the moldboard automatically holds position where it is. Gone are bent piston rods, leaking seals and damaged lock mechanisms. **MOST IMPORTANT OF ALL: HERE IS THE ABILITY TO POWER REVERSE WHILE PLOWING ON THE MOVE.** Mechanism reverses the plow up to 35° right or left of the bulldoze position.



PRWG MOTOR / WORM GEAR

Also available in the HD PRL Single Ram with Locking Pin Push frame (shown at right) has the 3” x 11” double acting cylinder, which is designed to activate the locking pin & reverse the plow to any of the seven plowing positions from 35° right to 35° left of the bulldoze position. The cam activated 1-3/4” Nicroloy +diameter steel locking pin and a float center valve section take all pressure off the cylinder when in any of the seven locking positions.

All frames are available with a selection of 30 1/2” and 21” pin connect swivels or a choice of “Arrowhead”, “Loop” and “Twin Jaw Latch” quick couple devices. In addition frames may be fitted with either “Sliding Collar”, “Dead Sheave” or “Multi-Chain” lift devices. A Manual Reversed Frame with Manual Latch is also available.

Note: Specifications are subject to change without notice.

Use only VIKING authorized replacement parts and accessories to assure optimum performance and reliability.

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