



Model IBR-10A

# REVERSIBLE UNDERBODY SCRAPER TRUCK MOUNT



• 1" Thick One-Piece Circle

• Hydraulic Accumulator System for Consistent Pressure

- AASHO & Carbide Punch
- 500 PSI Pressure Reducing Valve Included
- Two (2) Double-Acting 3-1/2" Diameter Reversible Cylinders
- Compact Design for Easier Installation and Better Blade Contact Angle

• Two (2) 3" Diameter Cushioned Hydraulic Lift Cylinders

• 1-3/4" Cold Rolled Steel Hinge Shaft

• Moldboard: 1" x 20", 17" Radius

Patent #5,921,010



# Falls<sup>®</sup> SPECIFICATIONS

The following specifications are designed to assist you in acquiring a **Falls<sup>®</sup> Reversible Underbody Snow and Ice Scraper** or its equal. The dimensions within the specifications are intended to indicate the size, type, and quality of unit desired.

**Moldboard:** Shall be minimum 1" thick x 20" SEF heat-treated 40/50 carbon steel smooth rolled to a 1" radius. Moldboard shall be formed to accept double bevel curved cutting edges. Moldboard shall be punched to accept AASHO standard cutting edges as well as standard carbide punched blades. Moldboard shall come supplied with two (2) 1/2" x 6" cutting edges. Moldboard ends to be clearly marked with reflective tape.

**Hydraulic Lift Cylinders:** Shall be two (2) minimum double acting 3" diameter ID x 11-1/2" stroke. The cylinder shafts shall be minimum 1-1/2" diameter and shall be coated with minimum 36 hour salt spray chrome. Hydraulic cylinders shall have an operating pressure of 2500 psi and shall be tested for a minimum 7500 psi burst strength. Hydraulic cylinders shall have urethane Poly-pack seals and urethane wiper.

**Hydraulic Accumulator:** The hydraulic lift cylinder shall be protected with a nitrogen-charged hydraulic piston-type accumulator, 231 cu. in. capacity, to allow scraper moldboard movement due to road surface irregularities. Accumulator shall be precharged to 375 psi. Coil springs for shock abatement are not acceptable. Very important — No exceptions!

**Pressure Reducing Valve:** A pressure reducing valve shall be provided for installation in the accumulator circuit and shall not allow "bleed out" or dumping of oil in the circuit. Maximum pressure not to exceed 500 psi. A liquid-filled pressure gauge, 0–1000 psi, shall be installed in the cab for monitoring. Very important — No exceptions!

**Power Reverse Assembly:** Reversing circle shall be minimum 1" thick A-36 steel plate. Circle shall be one (1) piece and shall provide for 45 degrees rotation left or right. Circle shall be equipped with two (2) double-acting hydraulic cylinders minimum 3-1/2" diameter ID x 18" stroke. The cylinder shafts shall be minimum 2" diameter and shall be coated with minimum 36 hour salt spray chrome. Hydraulic cylinders shall have an operating pressure of 2500 psi and shall be tested for a minimum 7500 psi burst strength. Hydraulic cylinders shall have urethane Poly-pack seals and urethane wiper. Hydraulic cushion valve shall be provided.

**Mounting Assembly:** Hinge shaft shall be minimum 1-3/4" cold-rolled round steel. Hanger assembly shall consist of 1/2" A-36 plate steel and 4" x 13.8 lb. car & ship channel.

**Weight:** 10 foot — 2100 lbs. 11 foot — 2250 lbs.

**Paint:** Shall be black.

**ID & Warranty:** Unit shall be identified with a metal plate riveted to the moldboard. ID tag shall include model, serial number, and manufacturer. 12 month limited warranty.

**Approved models:** Include Falls<sup>®</sup> Model IBR-10A or equal. Non-approved makes and models must contact procurement office or bidding agency a minimum of two (2) weeks prior to bid opening for evaluation.

**Options:** 10, 11, & 12 ft. moldboard lengths.

YOUR DEALER IS:

*Specifications are subject to change without notice.*

The policy and promise of Little Falls Machine, Inc. is continuing product improvement. Design change and structural alterations may occur without prior notice. Such changes will not sacrifice quality or product integrity.

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