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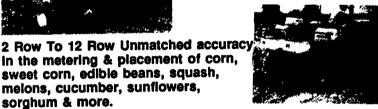
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## Two New Knight ProTwin Heavy Duty V Type Manure Spreaders In Stock At Binkley & Hurst Bros. For Immediate Delivery

# **Retire Your Current Spreaders!**

The 8000 Series ProTwin Slingers can handle a wider range of materials than any other spreader . . .

With the patented twin auger design, material circulates inside the unit. This unique action helps keep the load level during normal operation as well as during start-up, fine spreading, and closed-door turns

As a result of the twin auger system and the steep angle sides, material bridging and excess forward movement of material are virtually eliminated, even in pen packed and sticky feed lot material

Examine the material flow in the illustration below and note that the left auger moves material forward to the discharge hammers. The slightly raised right auger moves the material rearward while keeping the left auger evenly charged with material. It is this patented circulating action that makes the ProTwin so effective in handling the toughest material encountered in most applications

#### Twin Auger Design History

The first ProTwin model, the Industrial 8030 unit, was introduced in the summer of 1993. The total acceptance of the ProTwin Slinger by agricultural and toughest waste material has been

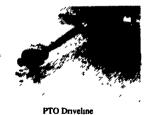
targeted for industrial use Today, the same design has been adapted to smaller models to meet the material handling needs of most applications All of these models handle a wide range of materials, from tough pen pack and sticky feed lot material to slurry types of manure, as well as difficult industrial materials



Simple Massive Reduction Drive

Each of the ProTwin models is designed for maximum, high torque output. The fully sealed front oil bath enclosures help assure that chains and sprockets remain clean and well lubricated. The auger and industrial operators in handling the expeller shafts are sealed to help eliminate oil contamination. Polyethylenetype spring loaded chain tighteners are

Originally, the 8030 ProTwin was used on all driveline chains for positive alignment and long life Bearings can easily be greased through the external grease banks without removing the front drive shield Splined shafts have been used in all high-torque areas to provide added strength and reliability



Constant Velocity PTO with Overload Clutch

Both 540 and 1000 RPM drivelines incorporate a constant velocity joint to provide a smooth transfer of power from the tractor to the unit. This relieves uneven stress on the drive train during normal turns and during operation over uneven terrain. The overload clutch provides protection for the expeller shaft and initial drive components. (There is no shear pin in the expeller drive).



a nylon bushing and a replaceable man ganese steel wear

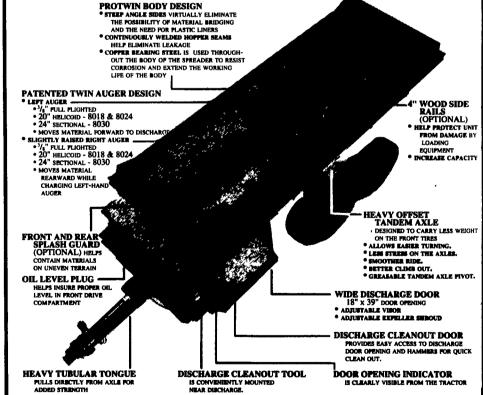
Cut-away view showing Patented Material Flow

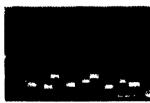
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#### Hammer Discharge Patented Free Swinging Hammer Expeller

The expeller on all ProTwin models features 15 forged steel hammers mounted on a 21/2" shaft. The hammers pivot on 3/8" bolts with nylon anti-seize type bushings that allow free novement. The expeller rotates at over

800 RPM allowing each eight pound hammer to swing down into the material peeling it off and slinging it underhand in a fine spread pattern with no clumps. The 3" wide, free swinging hammers absorb shock and tolerate most foreign objects Each hammer is faced with a work-hardening manganese steel wear plate for longer life and low cost replacement. The adjustable shroud allows easy hammer clearance setting for optimum spread pattern width This proven hammer expeller design enables fine spreading control and material calibration through the combination of the hydraulic door opening and ground



Rear Drive Compartment

The right auger is driven at the rear and is shear pin protected. Bearings, chains and sprockets are easily accessible for routine maintenance

\*Shields removed for illustration only Do not operate without shields in place and functioning.