

**VAN DALE**

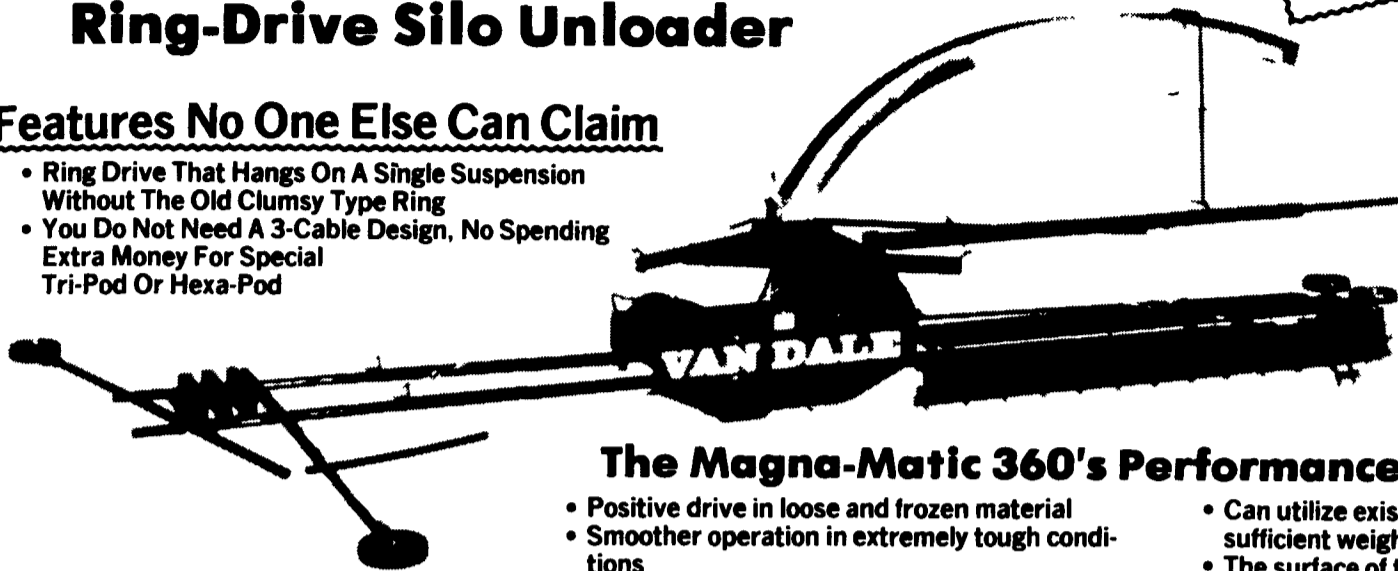
# A FIRST FROM K&S

## Magna-Matic 360® Ring-Drive Silo Unloader

**Tested in Northwestern States Under Severe Freezing Conditions**

### Features No One Else Can Claim

- Ring Drive That Hangs On A Single Suspension Without The Old Clumsy Type Ring
- You Do Not Need A 3-Cable Design, No Spending Extra Money For Special Tri-Pod Or Hexa-Pod

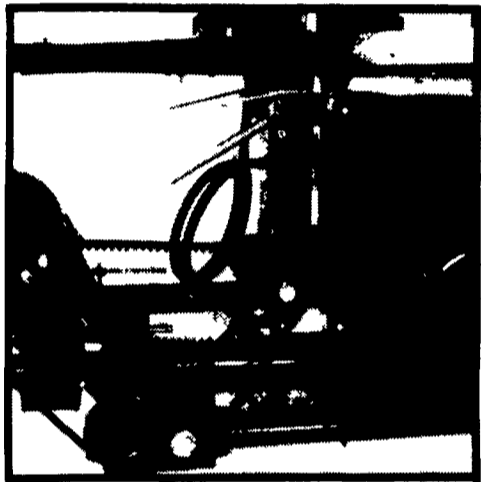


"Efficient" — and "effective" are two key words that describe the unique Magna-Matic 360 from Van Dale. By utilizing its ingenious drive system, the Magna-Matic 360 combines the best features of both ring drive and surface drive silo unloaders.

Drive power is obtained from a gearbox and drive system located immediately below the collector ring. A #80 roller chain is recessed and fixed between two castings, the drive sprocket slowly turns against the chain. Drive power is now centralized in the unloader for the most efficient and effective operation.

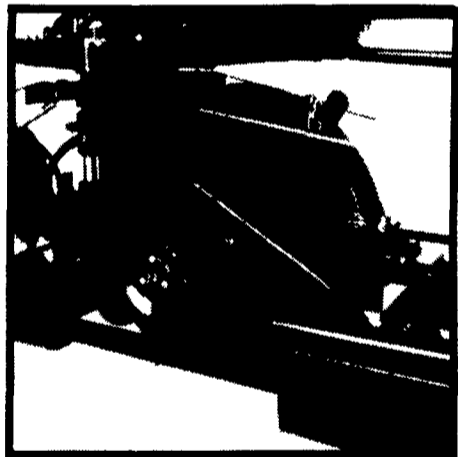
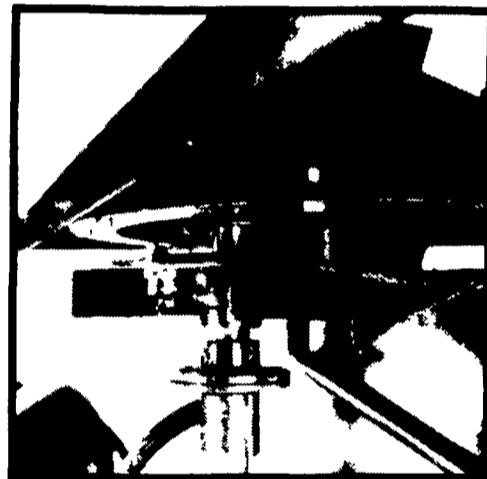
### The Magna-Matic 360's Performance Is Extraordinary

- Positive drive in loose and frozen material
- Smoother operation in extremely tough conditions
- The silo can be filled to the top, increasing silo capacity by several tons
- Quicker changeovers from fill to feed and back to filling
- Can utilize existing single cable suspension with sufficient weight carrying specifications
- The surface of the silage or grain is not disturbed by a drive wheel
- Steadier delivery of silage with less frequent winch adjustment
- Less installation time than conventional ring drive

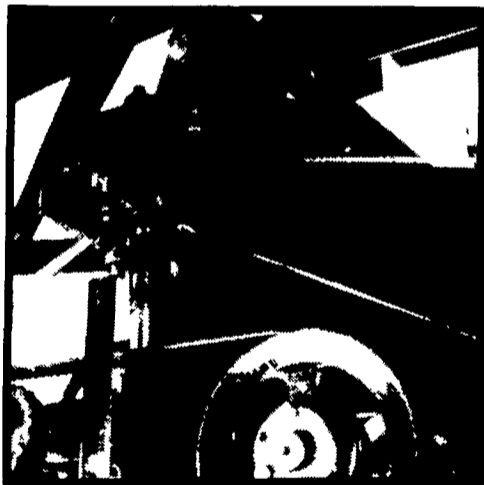


A vertical shaft transfers power from a gearbox to the power housing. The positive, smooth power train of the Magna-Matic 360 consists of a #50 roller chain, auger and drive gearboxes, a CX belt powering the impeller, rigid frame assembly, a larger rugged 2"x3"x5/16" triangle, and a B belt for the auger gearbox.

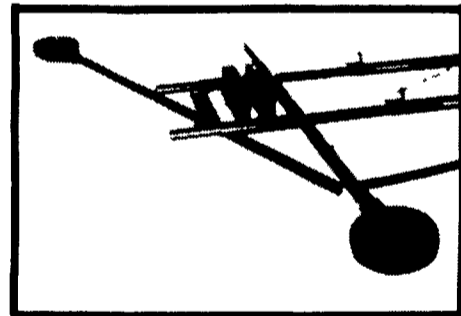
Recessed between two castings, a 14 tooth sprocket turns against a fixed #80 roller chain and powers the unloader around the silo. Aircraft cable replaces conventional truss rods to increase unloader frame rigidity and reduce torque on the impeller.



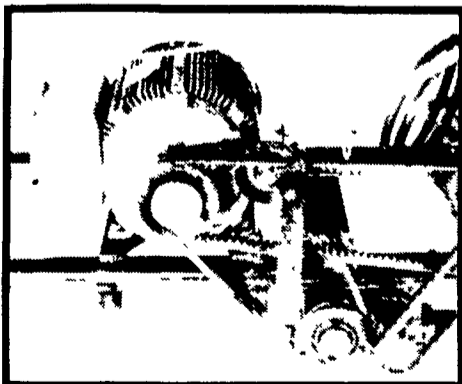
With greasable ball bearings and 27" diameter, the Van Dale impeller in the Magna-Matic 360 can unload "tens of tons" of material per hour. Manufactured from high quality steel, the impeller housing features two section assembly for easier maintenance and service.



The entire collector ring and drive assembly is completely contained in a central, compact, efficient unit.

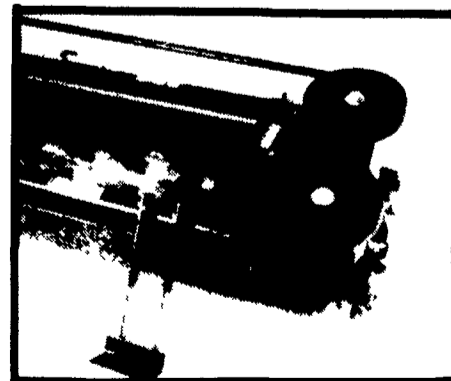


A special feature of the Magna-Matic 360 is the spring loader pressure wheel. This arrangement keeps the unloader under tension within the silo, reducing unloader bounce in frozen or very compact material, and providing smoother operation for higher volume and longer unloader life.



Magna-Matic 360's motor mounts are top mounting, allowing easier motor removal. Power is available from 3 to 10 horsepower in single or three phase configurations.

Two counter rotating wall cleaners remove frozen silage from the wall; the new grid designed safety covers offer protection and greatly increase unloader frame rigidity. The frame mounted stop increases the safety designed into all Van Dale equipment.



**—Order Now For Spring Installation—**

**K&S INC.**  
Sales & Service



(717)-284-3111 R.1 - Quarryville, PA

For Additional Information  
On The New Magna-Matic 360

Mail To K & S, INC R.1, Quarryville, PA 17566

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