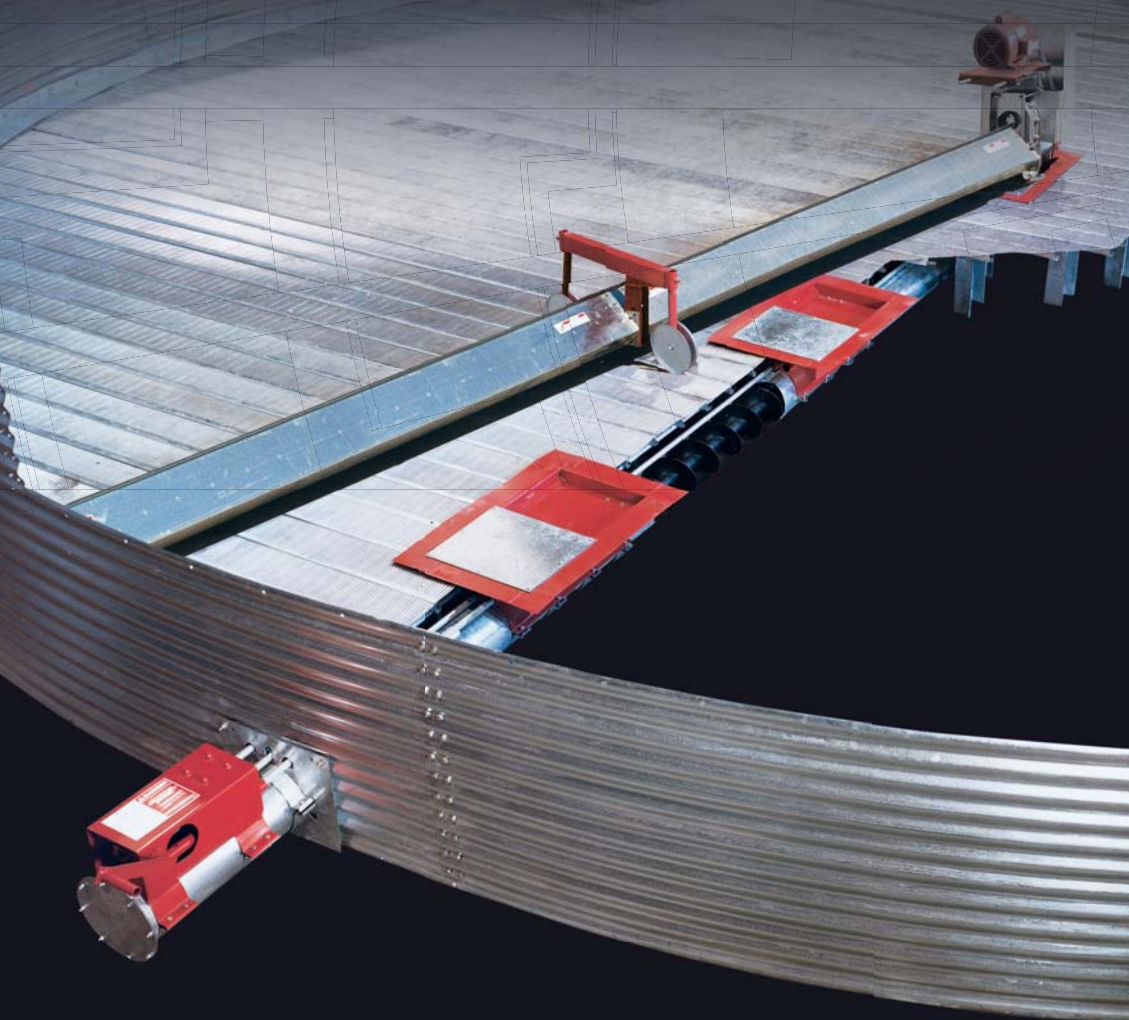


HUTCHINSON

BIN UNLOADING SYSTEMS



Sweep Options

Klean Sweep
Commercial Sweep

Sweep Options

Std. Power Sweep
HD Power Sweep
Commercial Power Sweep

Unloading Options

Standard Auger Unload
Commercial Auger Unload
U-Trough

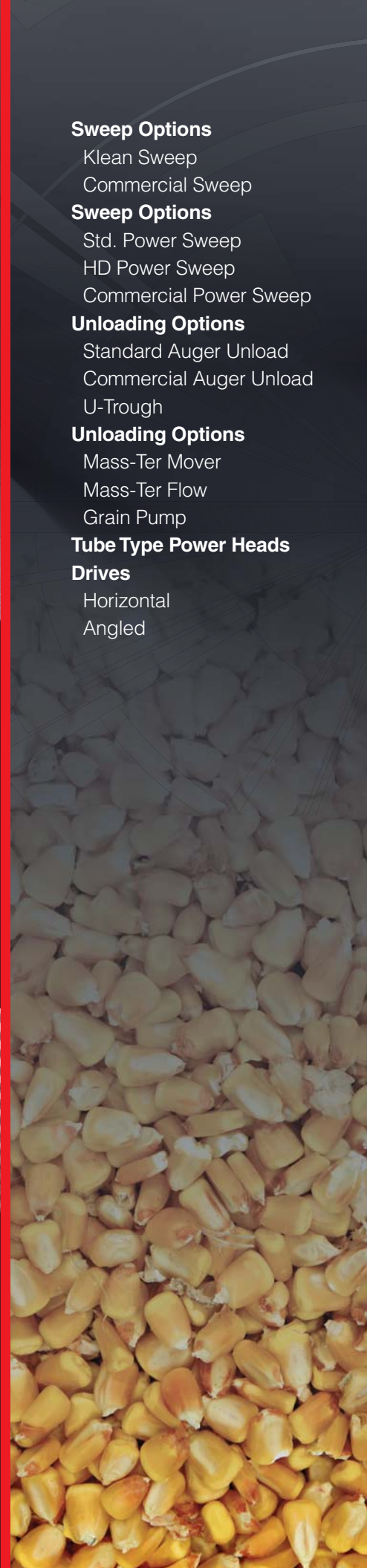
Unloading Options

Mass-Ter Mover
Mass-Ter Flow
Grain Pump

Tube Type Power Heads

Drives

Horizontal
Angled



STANDARD KLEAN SWEEP



STANDARD KLEAN SWEEP SPECIFICATIONS

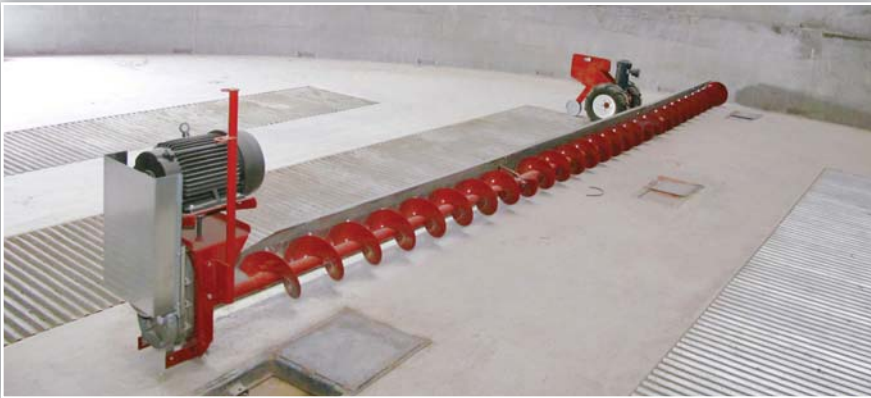
SWEEP MODEL	BIN DIAMETERS	FLIGHT DIAMETER	FLIGHT STRIP	FLIGHT SPEED	CAPACITY BU/HR
6	15' to 36'	4"	1/8"	625 RPM	650
8"	15' to 48'	5"	1/8"	525 RPM	1,175
10"	24' to 48'	7"	3/16"	438 RPM	2,200

This simple, easy to handle sweep provides an inexpensive tool for emptying bins up to 48' diameter. The unique back-up shield and torque tube combination adjusts for close floor clearance to maximize bin cleanup. After one or two revolutions of the sweep, the job is done.

Standard Klean Sweep features:

- Rubber disk end wheel assembly drives sweep around the bin
- Intermediate flight bearings on 30' diameter bins and larger
- Drive includes driven sheave, belt and simplistic motor mount
- 10" units have intermediate bronze bearings that support the flight every 10' or less

COMMERCIAL KLEAN SWEEP



COMMERCIAL KLEAN SWEEP SPECIFICATIONS

SWEEP MODEL	BIN DIAMETERS	FLIGHT DIAMETER	FLIGHT STRIP	FLIGHT SPEED	CAPACITY BU/HR
810	24' to 92'	7"	3/16"	300-400 RPM	1,600-2,050
1012	24' to 120'	9"	1/4"	250-290 RPM	3,200-3,700
1214	36' to 120'	12"	1/4"	150-230 RPM	3,950-6,100

Hutchinson's Commercial Klean Sweep is an outstanding performer for a minimal investment. These sweeps provide an economical solution for bin diameters up to 120'. The 1214 model comes standard with an excellent sweep tractor drive (also optional for 1012 models) for driving the sweep around the bin.

Commercial Klean Sweep features:

- End wheel drive is either a 4 to 1 reduction drive for 810 models or 9 to 1 reduction drive for 1012 models.
- Sweep tractor drive is standard for 1214 models
- Intermediate flight bearings every 10' or less running length of flight
- Sweep carrier provide extra support for flight and shield for sweeps in 48' or larger bins
- Models 810 come standard with 2 to 1 oil bath reducer drive, models 1012 have a 3 to 1 oil bath reducer drive and 1214 models have 3 to 1 oil bath reducer drives up to 78' bins or a 4 to 1 gear reducer drive for 80' to 120' bins

STANDARD & HEAVY DUTY POWER SWEEP



STANDARD & HEAVY DUTY POWER SWEEP SPECIFICATIONS

SWEEP MODEL	BIN DIAMETERS	SWEEP FLIGHT DIAMETER	UNLOAD FLIGHT DIAMETER	SWEEP FLIGHT STRIP	UNLOAD FLIGHT STRIP	FLIGHT SPEED	CAPACITY BU/HR
6" Standard	15' to 48'	5"	5"	1/8"	1/8"	450-525 RPM	1,000-1,200
8" Standard	15' to 48'	7"	7"	3/16"	3/16"	325-440 RPM	1,700-2,200
10" Standard	24' to 48'	7"	9"	3/16"	3/16"	325-440 RPM	3,575-4,500
8" Heavy Duty	30' to 72'	7"	7"	3/16"	1/4"	325-440 RPM	1,700-2,200
10" Heavy Duty	30' to 72'	8 1/8"	9"	1/4"	1/4"	325-440 RPM	3,575-4,500

The Power Sweep provides the convenience of powering both the unloading flight and the sweep with one motor on the outside of the grain bin. The sweep can remain inside the bin during the grain bin filling process, allowing it to be in position for use at a moments' notice. We have an excellent choice of power head options to fit your application that will complete your unloading system.

Standard and Heavy Duty Power Sweep features:

- Center power well and roller supported gate with gear boxes
- Bin sweep with 4 to 1 reduction drive sweep wheel
- Under bin auger housing and flight
- Appropriate number of intermediate wells
- Control pipe kit with unique control lever for maximum pull

COMMERCIAL POWER SWEEP



COMMERCIAL POWER SWEEP SPECIFICATIONS

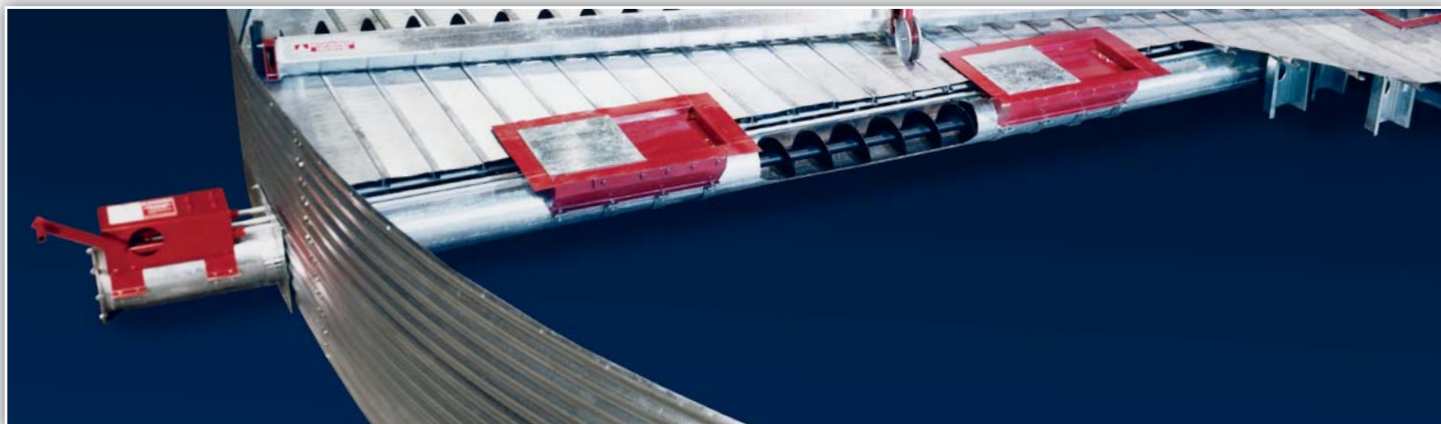
SWEEP MODEL	BIN DIAMETERS	FLIGHT DIAMETER	FLIGHT STRIP	FLIGHT SPEED	CAPACITY BU/HR
600	36' to 60'	7"	3/16"	300-400 RPM	1,600-2,050
800	36' to 60'	9"	1/4"	220-250 RPM	2,800-3,200
1000	36' to 75'	9"	1/4"	300-325 RPM	3,850-4,150
1200	36' to 75'	9"	1/4"	375-395 RPM	4,800-5,050

The Commercial Power Sweep is a unique concept adapted to commercial type storage. This sweep will accommodate a variety of unloading units including auger unloaders, u-trough and chain conveyors. Like our other power sweep, it offers the convenience of having the drive on the outside of the bin, but with the added feature of using a separate drive for the sweep. We have the drive necessary to complement the unloading system that you choose.

Standard and Heavy Duty Power Sweep features:

- Two individual gearboxes allow compact design for center well
- End wheel drive is either a 4 to 1 reduction drive for 600 models or 9 to 1 reduction drive for larger models
- Intermediate wells provided with removable top flanges for easier installation
- Sweep carrier provide extra support for flight and shield for sweeps in 48' or larger bins
- Control pipe kits with rack and pinion style openers

STANDARD & COMMERCIAL AUGER UNLOADING



AUGER UNLOADING SPECIFICATIONS

AUGER UNLOAD MODEL	BIN DIAMETERS	UNLOAD TUBE	UNLOAD FLIGHT	FLIGHT SPEED	CAPACITY BU/HR
6" Standard	14' to 48'	6" OD x 16 Ga. Galv.	5" OD x 11 Ga. thick	525 RPM	1,500
8" Standard	14' to 48'	8" OD x 14 Ga. Galv.	7" OD x 7 Ga. thick	440 RPM	2,500
10" Standard	23' to 48'	10" OD x 14 Ga. Galv.	9" OD x 7 Ga. thick	440 RPM	4,000
8" Commercial	24' to 92'	8" OD x 14 Ga. Galv.	7" OD x 7 Ga. thick	440 RPM	2,500
10" Commercial	24' to 92'	10" OD x 12 Ga. Galv.	9" OD x 7 Ga. thick	440 RPM	4,000
12" Commercial	24' to 120'	12" OD x 12 Ga. Galv.	11" OD x 7 Ga. thick	350 RPM	6,300
14" Commercial	36' to 92'	14" OD x 12 Ga. Painted	12 1/2" OD x 1/4 Ga. thick	300 RPM	9,400

Using auger unloading housing and flight is an economical approach to storage unloading that has a proven history for reliability. These unloaders can be purchased as a whole unit that includes not only the unloading tube and flight, but also the center well, intermediate wells and control pipe kits. Then with the selection of your choice of power head, you will have a complete unload system. Also, our systems can be ordered as components that will allow you to completely customize what you need for any application.

Auger Unloading features:

- Choice of unloading tube and flights to meet your capacity and size requirements
- Various Center bin well and Intermediate bin well options available
- Control pipe kits and either control lever or rack & pinion openers to select from
- Bin flanges, quick connect flange clamps and an assortment of other possible components to complete your unload system

U-TROUGH UNLOADING



U-TROUGH UNLOADING SPECIFICATIONS

U-TROUGH MODEL	U-TROUGH HOUSING	U-TROUGH FLIGHT	FLIGHT SPEED	CAPACITY BU/HR
9"	10" Wide x 14 Ga. Painted	9" OD x 7 Ga. or 3/8"	80-325 RPM	1,000-4,000
12"	13" Wide x 12 Ga. Painted	12" OD x 1/4" or 3/8"	80-260 RPM	2,500-8,300

The U-Trough auger conveyor is of a custom design type and a good solution for horizontal applications where extended hours of use are needed. The U-Trough auger has flighting that is supported every 10' by hanger bearings inside of a "U" shaped housing and in combination with reduced speed permits minimal wear. These units are put together with a combination of components as opposed to a packaged product to meet your specific demands.

U-Trough Unloading features:

- Hanger bearing choices for the flight is either wood or nylon
- Oil bath chain reducer, 4 to 1 gear reducer drive or dodge reducer drives are available
- A galvanized cover for top of conveyor is clamped into place, giving easy access to the auger flighting
- Roller gate wells (5 3/4" tall) along with a three control pipe system for the well gates is used with a rack and pinion style of control to operate the gates

ENMASSE CONVEYORS

Move up to the world of Hutchinson en masse drag conveyor Bin Unloading featuring:

- The extremely long life of 81X or 81XHH roller chain
- The quiet operation and long life of UHMW plastic paddles
- The unquestionable quality of Dodge drives
- High capacity at lower operating speeds result in long life
- Roller gated wells and rack and pinion controls for gate wells are used

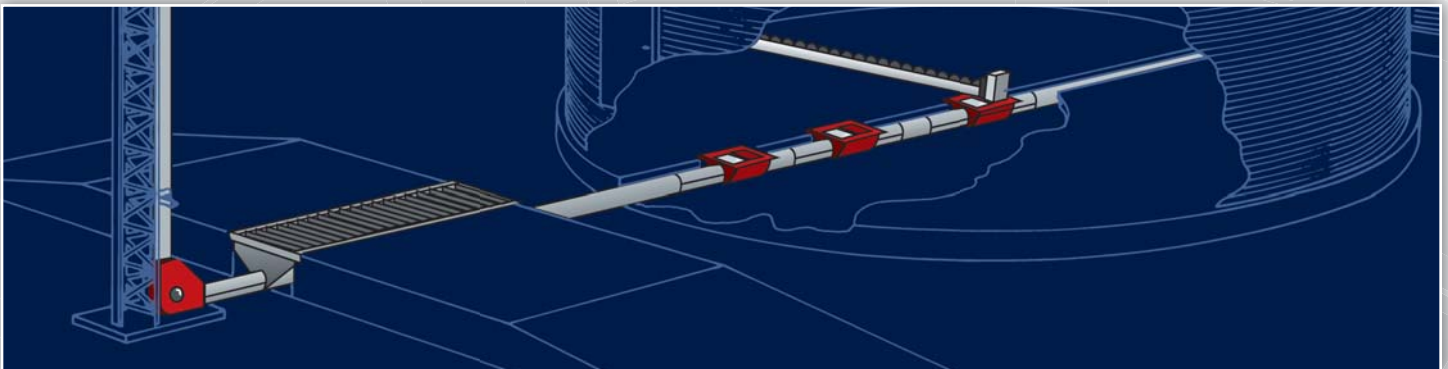
MASS-TER MOVER UNLOAD



MASS-TER FLOW UNLOAD

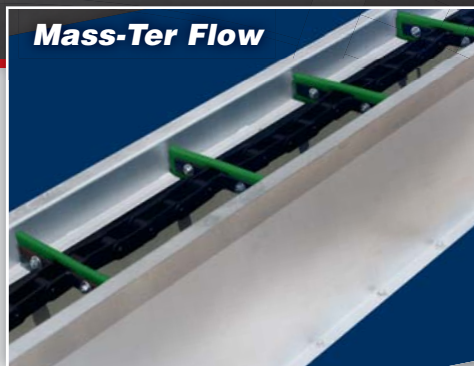


GRAIN PUMP UNLOAD

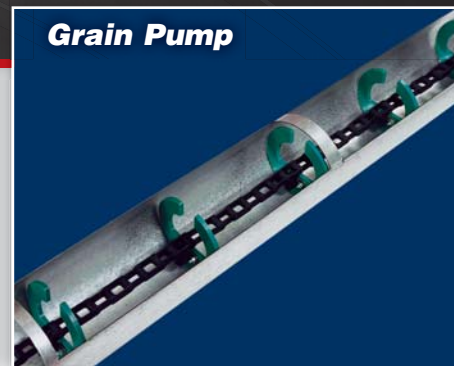




Mass-Ter Mover



Mass-Ter Flow



Grain Pump

MASS-TER MOVER UNLOAD SPECIFICATIONS

MASS-TER MOVER MODEL	MASS-TER MOVER HOUSING (GALV.)	CONVEYOR CHAIN	CONVEYOR PADDLE	CHAIN SPEED	CAPACITY BU/HR
50	6" x 9" - 10 Ga. Bottom	81X Chain	3/8" Thick UHMW	300 FPM	5,000
85	7" x 13" - 10 Ga. Bottom	81XHH Chain	1/2" Thick UHMW	300 FPM	8,500
150	10" x 17" - 10 Ga. Bottom	Double 81XHH Chain	5/8" Thick UHMW	300 FPM	15,000

The MASS-TER MOVER

For horizontal, inclined and even vertical requirements the Mass-ter mover unload is a versatile system that will maintain its capacity.

MASS-TER FLOW UNLOAD SPECIFICATIONS

MASS-TER FLOW MODEL	MASS-TER FLOW HOUSING (GALV.)	CONVEYOR CHAIN	CONVEYOR PADDLE	CHAIN SPEED	CAPACITY BU/HR
9"	9" - 10 Ga. Bottom	81X Chain	3/8" Thick UHMW	80-320 FPM	2,500-10,000
13"	13" - 10 Ga. Bottom	81X Chain	3/8" Thick UHMW	130-260 FPM	7,500-15,000

The MASS-TER FLOW

For horizontal use only, this single trunk design with its low profile paddle is the most economical choice for storage unloading.

GRAIN PUMP UNLOAD SPECIFICATIONS

GRAIN PUMP MODEL	TUBING	CONVEYOR CHAIN	CONVEYOR PADDLE	CHAIN SPEED	CAPACITY BU/HR
6"	6" OD x 12 Ga. Galv.	81X Chain	3/8" Thick UHMW	325 FPM	2,000
8"	8" OD x 12 Ga. Galv.	81XHH Chain	3/8" Thick UHMW	325 FPM	4,000
10"	10" OD x 12 Ga. Galv.	81XHH Chain	1/2" Thick UHMW	325 FPM	6,000
12"	12" OD x 10 Ga. Galv.	81XHH Chain	1/2" Thick UHMW	400 FPM	10,000
16"	16" OD x 7 Ga. Galv.	WH124 Chain	5/8" Thick UHMW	400 FPM	18,000

The GRAIN PUMP LOOP

The innovative Hutchinson Grain Pump that utilizes a round tube and paddle is capable of doing it all in the simplest of systems. This is not just an unloading conveyor, but can fill your storage or transfer grain from one bin to another.

AUGER UNLOADING - POWER HEADS



HORIZONTAL

Horizontals available in 6", 8", 10" & 12".

Single and double direct belt drives on units with Standard Components System. Commercial Grade furnished with 2, 3 & 4 belt drives, many with oil bath reducers.

ALSO AVAILABLE: Low-Boy and Variable Angle Auger Connectors (not illustrated). Special length or height power heads available with special drives - Ask for details.

IMPORTANT: Keep all shields and safety devices in place at all times. Observe all safety signs and warnings shown on the product and in the operator's manual.



25° INCLINED

25° Inclines for use with 6", 8", 10" and 12" systems through 75' diameter bins.

Five foot length provides about 2' extra discharge height. Includes adjustable support stand to which you can attach optional wheel kit for portability. Two & three belt "B" section drives. Internal bearing in elbow. Units are offered as 6" (horizontal) to 6" (incline), 6" to 8", 8" to 8", 8" to 10", 10" to 12" and 12" to 14". We recommend the step-up sizes at all times for maximum capacity and smooth grain flow.



STANDARD VERTICAL

6", 8", and 10" 16'6" Tall Vertical for use with Standard Components System on bins through 48' diameter. Discharge directly into truck, trailer or mill. One drive with heavy right angle oil bath gearbox runs both the vertical and under-bin auger. Electric powered, includes 45° discharge with 3' long solid spout, base support and bin wall mounting bracket. Kit available to attach 8" vertical to 6" or 10" to 8" unload tube.



COMMERCIAL DOUBLE DRIVE VERTICAL

8", 10" and 12" Commercial Grade Verticals stand 16'6" tall. Separate direct belt or 3:1 oil bath reducer drives on horizontal and vertical sections speed-match capacities. This dual drive design will handle 24' thru 120' diameter bins.

Includes 3', 45° discharge, base support and wall bracket. Kit available to attach 10" unit to 8" or 12" to 10" unload tube.



MASS-TER MOVER POWER HEAD



Mass-Ter Mover Power Head

The Mass-ter Mover unloading power heads can be used in conjunction with 30° or 45° corners (15° and 90° available on model 50 units) that will provide the discharge height needed. A selection of reducer drives with various chain speeds and horsepower are available to match the capacity required.

MASS-TER FLOW POWER HEAD



Mass-Ter Flow Power Head

The Mass-ter Flow unloading power heads can be ordered with a drive that will complement the length of conveyor necessary to unload your storage structure. These high quality drives provides smooth, quiet power that will give exception life to the conveyor.

HUTCHINSON
PORTABLE CHAIN AUGERS

- Swing-Away 8", 10", & 12"
- Swing-Away 12"
- Swing-Away 20"
- Carrying 6"
- Roll-Away Hopper & Truck Hopper
- Mid-Drive

HUTCHINSON
PORTABLE CHAIN CONVEYORS

- Drive-Over Chain Conveyor
- Portable Chain Pump
- Portable Motor-Tow Hopper
- True-Master

HUTCHINSON
BELT CONVEYORS

- Belt Conveyor 30' & 36'
- Scissors Belt Drive Over
- Carriers: Flat Belt, Power Drive
- Single-Belt Conveyor
- Portable Belt Conveyor
- Horizontal Customized Belt Conveyor
- Accessory Loadings

HUTCHINSON
BIN UNLOADING SYSTEMS

- Swing Options
- Fixed Systems
- Carroll-Track System
- Swing Options
- FCI Power Control
- Carroll-Track Motor Control
- Unloading Options
- Swing-Away Unload
- Commercial Auger Unload
- LC Design
- Unloading Options
- Motor-Tow System
- Motor-Tow Floor
- Grain Pallet
- Tube-Type Power Heads
- Shovel
- Horizontal Auger

HUTCHINSON
CHAIN & PADDLE CONVEYORS

- Motor-Tow System
- Motor-Tow Floor
- Grain Pump-Lifters
- Grain Pump-Overload Box

HUTCHINSON
DISTRIBUTING CUSTOM AUGER / U-TROUGH AUGER

- Custom Built Distributing Augers
- Accessories Loadings
- Custom Built U-Trough Augers
- Accessory Loadings



P.O. Box 629 • Clay Center, Kansas 67432
Ph. (785) 632-2161 • FAX (785) 632-5964

www.hutchinson-mayrath.com