

CHAIN LOOP SYSTEMS



TOTAL VALUE. TOTAL SYSTEMS.™



GSI FEATURES

Own a Chain Loop system that works as hard as you do. The GSI Chain Loop combines the loading, transferring, filling, and unloading processes all into one economical and easy to use system. The GSI Chain Loop is designed to move large capacities of grain gently and efficiently through-out the system.

An enclosed loop design lets you select the grain flow path by opening or closing the discharge gates, which are controlled from the ground. Unload one bin or multiple bins and reduce drying costs by circulating high moisture grain from one bin, with previously dried grain from another bin. This low maintenance system can be installed into new or existing drying or storage systems and is expandable after the original installation.



Tube cut away to show Chain Loop paddles and Chain.



The Chain Loop system can be angled to accommodate conventional front unloaders as shown in the above illustration.



CHAIN LOOP TOWERS

FEATURES:

- Corrosion and abrasion resistant, powder coat finished corners.
- Inspection cover at the top of each discharge spout allows for easy access.
- Large steel paddle brackets increase strength and system life.
- Paddles are spaced every 4th chain link (about 10"). Shorter spacing adds life and reduces the load on the paddle chain links.
- Heavy-Duty, 10 gauge slide gate in discharge spout.

BENEFITS:

- An economic way to move large quantities of grain.
- Better efficiencies than any other system when used within its design limits. 12" systems provide higher capacities but with less distance and height.
- Life expectancy is excellent exceeding that of an auger or an air system.
- In a system matched to a loop system where the bins are in a straight line, the unload augers can be replaced by the loop system. This will reduce the horsepower used, equipment that is needed, and maintenance required.

TWO AND FOUR LEG F/C CHAIN LOOP TOWERS

- 2-leg towers are designed to support Chain Loop systems between grain bins.
- Upper sections X-braced depending on bin diameter.
- 2-leg towers are 48" wide and laterally braced to a grain bin wall.
- 4-leg towers are 4' x 4' square.
- Towers are designed to withstand 90-100mph wind, depending on the size.



TWO LEG TOWER



FOUR LEG TOWER



The Chain Loop System consists of chains, paddles and corners / connectors.

CORNERS & DISCHARGES



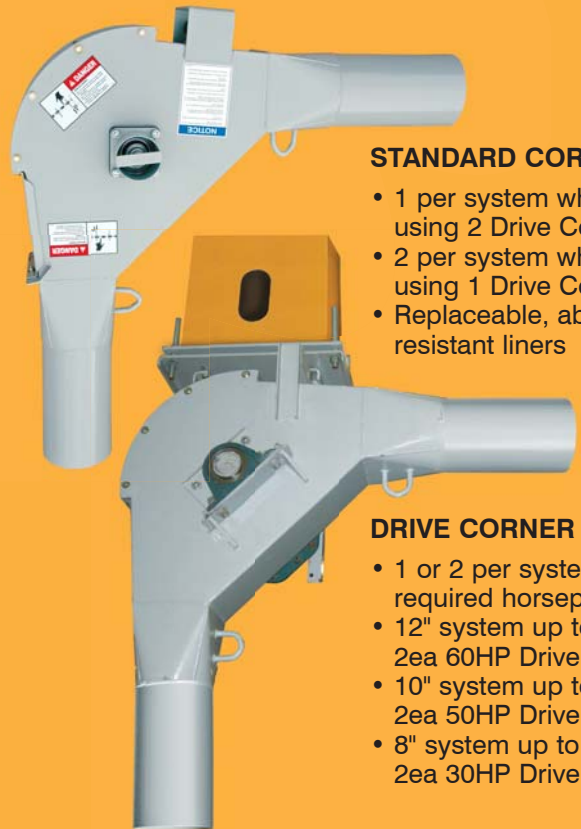
90° DISCHARGE WITH GATE AND CONTROL WHEEL

- Ground Controlled
- Access door on top for inspection and service



INSPECTION CORNER

Access for inspecting chain and paddle wear as well as chain tension.



STANDARD CORNER

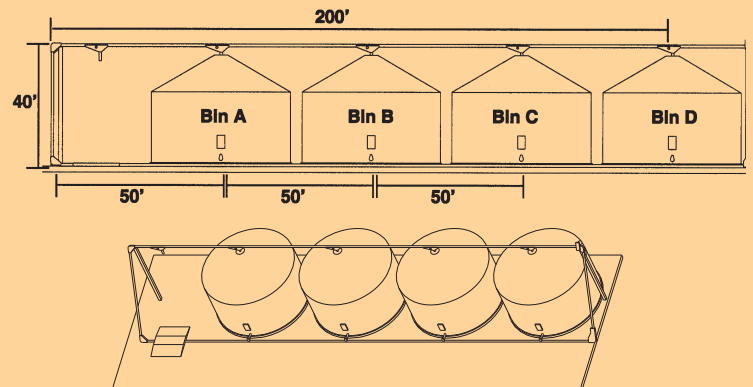
- 1 per system when using 2 Drive Corners
- 2 per system when using 1 Drive Corner
- Replaceable, abrasion resistant liners

DRIVE CORNER

- 1 or 2 per system based on required horsepower
- 12" system up to 120HP - 2ea 60HP Drive Corners
- 10" system up to 100HP - 2ea 50HP Drive Corners
- 8" system up to 60HP - 2ea 30HP Drive Corners

SPECIFICATIONS

	8"	10"	12"
Maximum Capacity (BPH)	4,000	6,000	10,000
Chain Travel (FPM)	325	325	400
Tubing Gauge, Galvanized	12	12	10
Corner Housing Thickness, Galvanized	3/16"	3/16"	3/16"
Paddle Thickness (UHMW)	3/8"	1/2"	1/2"
Corner Shaft Diameter	2"	3"	3 7/16"
Conveyor Chain Standard	81X	81XHH	81XHH
Conveyor Chain Optional	81XHH		
Conveyor Horsepower Required*			
Vertical (per foot of conveyance)	.35	.50	.75
Horizontal (per foot of conveyance)	.08	.11	.18
Weight (per foot) of Tubular Conveyor			
Empty	12 lbs.	15 lbs.	24 lbs.
Full 56 lb. per bu. material	28 lbs.	40 lbs.	59 lbs.



The Chain Loop system can be angled to accommodate conventional front unloaders as shown in the above illustration.

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