



Chain Loop Conveyors and Double Run Conveyors





Small or Large Operation -

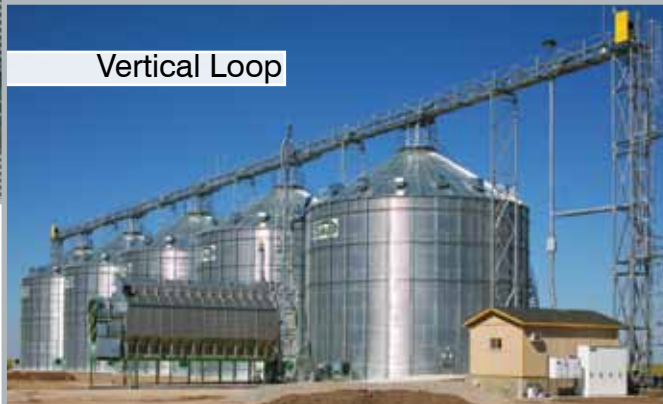
Chain Loop Conveyors

With the Sukup Chain Loop Conveyor, you can fill, unload, blend and transfer grain in one complete system. Loop Systems generally require less power and are gentler on the grain. Vertical installation is used when the centers of the bins are in line and the center sumps discharge into the chain loop tube under the floor. Slanted installation is used when the fronts of the bins are in line and the external unload powerheads discharge into the chain loop tube. Sukup offers multiple drive-over dump hopper sizes that are designed to work with your Chain Loop Conveyor.

Slanted Loop



Vertical Loop



Inspection Corner

- Manual ACME thread take-up comes standard
- Optional gravity take-up (pictured)
- Access for inspecting chain and paddle wear, as well as chain tightness

Drive Corner

- 1 or 2 per system based on system requirements
- 8" system up to 80 hp (2 ea. 40 hp drive corners)
- 10" system up to 100 hp (2 ea. 50 hp drive corners)
- 12" system up to 120 hp (2 ea. 60 hp drive corners)
- Sukup includes all components (including motor pulley) except the motor
- Replaceable, abrasion-resistant corners
- Dodge gear reducers shaft mount uses 2 external bearings to take chain load

Standard Corner

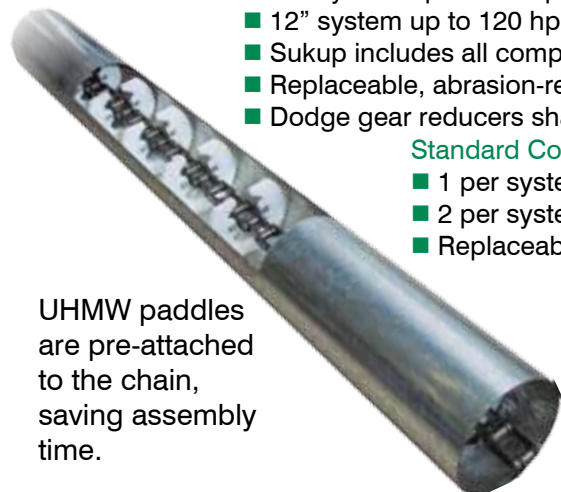
- 1 per system when using 2 drive corners
- 2 per system when using 1 drive corner
- Replaceable, abrasion-resistant corners

Discharge Spout

- 90°
- Gate and control wheel come standard
- Discharge gates can be operated from the ground using the ground control kit
- Optional gear motor drives for gate control
- Access door on top for inspection and service



UHMW paddles are pre-attached to the chain, saving assembly time.



We've got grain handling solutions for you!

Double Run Conveyors

The Sukup Double Run Conveyor is the newest addition to our material handling line and is becoming very popular! The compact design enables smooth, quiet operation and requires minimum maintenance. The Sukup Double Run Conveyor causes less grain damage than a portable auger and is more efficient and economical than augers of similar capacity and length. Sukup makes the Double Run Conveyor with 100% UHMW paddles, which come pre-attached to the chain. We also offer intermediate discharge gates as an option to further customize your operation.



Head Section

- ACME threaded take-up comes standard
- Optional drive at head
- Optional head discharge available at 45°, 60° and 90° angles

Intermediate Discharge

- Modular design
- Arrives with tubes attached
- No cutting required during assembly
- Grain flows on bottom tube, chain returns on top tube

Tail Section

- Standard drive located on tail section
- Optional dump-through tail section with gate
- Class 2 shaft mount Dodge gear reducers
- Optional cover and extension for hopper
- Sukup includes all components (including motor pulley) except the motor
- Dodge gear reducers shaft mount uses external 2 bearings to take chain load

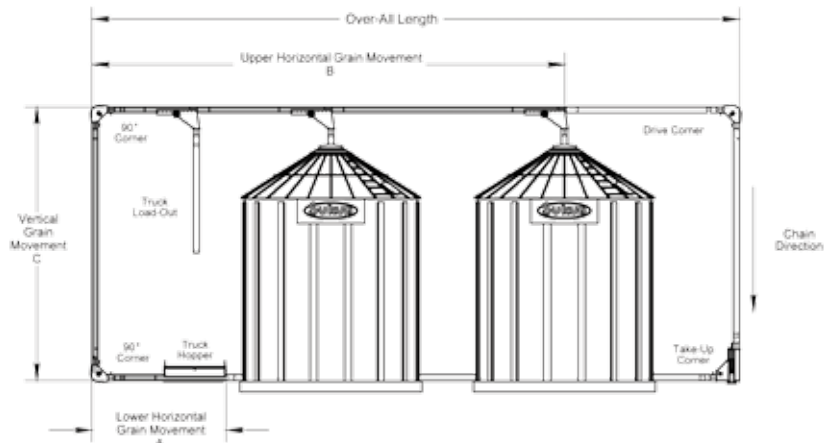


DID YOU KNOW?

A Double Run Conveyor can replace a roof auger, transfer auger, dryer take-away auger, and even a permanently installed transport auger.

Chain Loop Conveyor Specifications

	8"	10"	12"
Maximum Capacity (BPH)	4000	6000	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	81XHH	81XHH	81XHH
Vertical HP (per foot of conveyance)	.35	.50	.75
Horizontal HP (per foot of conveyance)	.08	.11	.18
Empty Weight (without grain)	12 lb./ft.	15 lb./ft.	24 lb./ft.
Full Weight (56 lb./bu. material)	28 lb./ft.	40 lb./ft.	59 lb./ft.



Double Run Conveyor Specifications

Electric Horsepower	Maximum 12" Conveyor Lengths (Feet)				
	Horizontal	15°	30°	45°	60°
15	83	55	37	28	23
20	111	74	50	38	31
30	166	112	75	57	47
40	222	149	100	76	63
60	333	223	151	114	95

Electric Horsepower	Maximum 10" Conveyor Lengths (Feet)				
	Horizontal	15°	30°	45°	60°
10	88	59	40	30	25
15	132	88	60	45	37
20	175	118	80	60	49
25	219	147	100	75	62
30	263	176	120	90	74

Electric Horsepower	Maximum 8" Conveyor Lengths (Feet)				
	Horizontal	15°	30°	45°	60°
5	66	44	30	23	19
10	132	88	60	45	37
15	197	133	90	68	56
20	263	177	120	90	74
25	329	221	150	113	93

Dimensions of Conveying Chamber	8" Round (20.3 cm)	10" Round (25.4 cm)	12" Round (30.5 cm)
Maximum Capacity	4000 Bu/Hr (108 TPH)	6000 Bu/Hr (162 TPH)	10,000 Bu/Hr (270 TPH)
Chain Travel	329 FPM (1.67 MPS)	348 FPM (1.77 MPS)	400 FPM (2.03 MPS)
Head Shaft RPM	126	114	102
Housing Gauge Galv.	14 (1.9 mm)	12 (2.66 mm)	10 (3.433 mm)
Paddles UHMW	3/8" (10 mm)	1/2" (13 mm)	1/2" (13 mm)
Head Shaft Dia.	2" (51 mm)	2 7/16" (62 mm)	3 7/16" (87 mm)
Boot Shaft Dia.	2" (51 mm)	2 7/16" (62 mm)	3 7/16" (87 mm)
Conveyor Chain	81 X	81 XHH	81 XHH
Conveyor Sprocket	12 Tooth	14 Tooth	18 Tooth



Sukup Manufacturing Co. provides the information contained within this brochure to assist you in choosing the optimal equipment for your situation. Many factors, such as grain variety, maturity levels, grain cleanliness, weather conditions and operation/management, can affect the performance of your equipment and results may vary. This information is calculated and is not a guarantee of product specifications or performance. Based on these factors, Sukup specifications should only be used as estimates, and not as a warranty, expressed or implied, of how a particular Sukup unit will perform under your operating conditions. Because we are continually improving Sukup products, changes may occur that may not be reflected in the specifications.



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