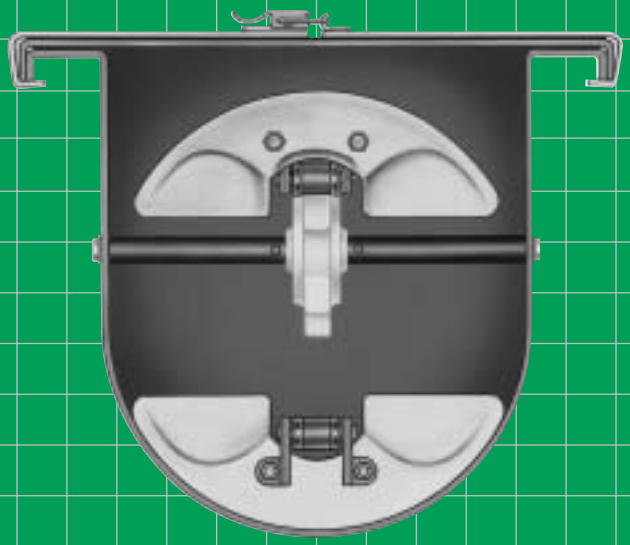
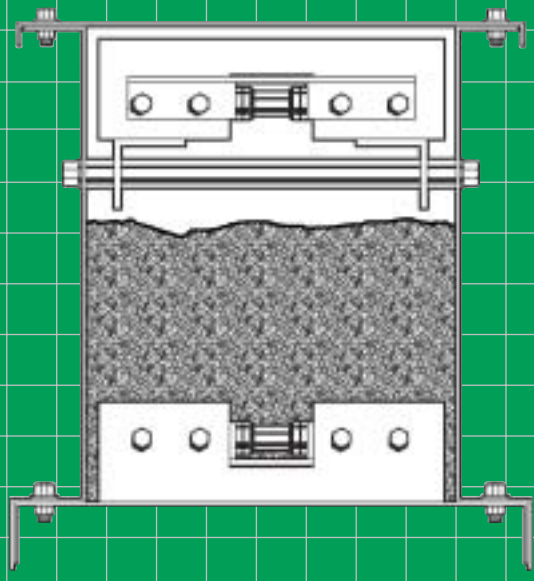
Catalog No. 105

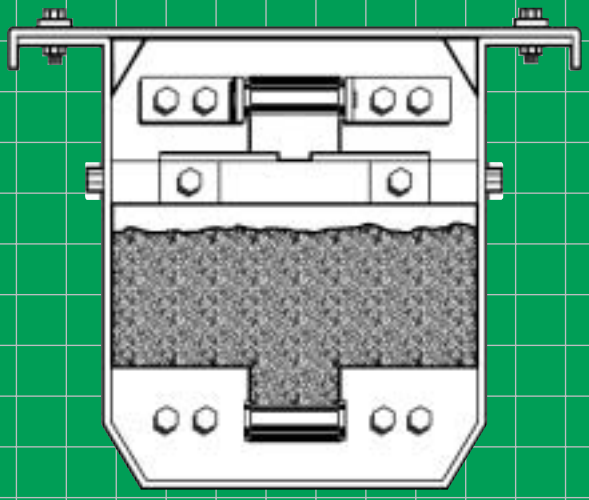
Drag Conveyors

Super-Flo®



Enduro-Flo®





Super-V™

THE EXPERIENCE TO HANDLE IT RIGHT!®

Screw Conveyor Corporation®

SUPER-V™ – AN ALL NEW CONCEPT IN DRAG CONVEYORS

The Super-V™ Drag Conveyor is the result of several years of testing and evaluation of typical customer application criteria. Based on the need for effective clean-out and negligible product degradation, the Super-V is designed to meet or exceed the clean-out capabilities of the round bottom Super-Flo® The Super-V features the benefit of greater capacities and lower horsepower consumption for materials transported by flat bottom drag conveyors like the Enduro-Flo.®

The Super-V is sized to cover a good cross section of bulk material handling needs. The available configurations range from the smallest unit a 6 X 5 (6" width by 5" high conveyance area) with a minimum capacity of 733 cubic feet per hour (cf/h) at 75' per minute to a 30 x 14 (30" width by 14" high conveyance) moving 27,503 cf/h at 175' per minute. These units are for horizontal or slightly inclined applications. An especially important feature built into the new Super-V are the standard "flush mounted" flat slide gates. The gate design provides a transition at the machined seam where contact between the trough and the gate causing the least negative product degradation from any drag conveyor design in the industry.

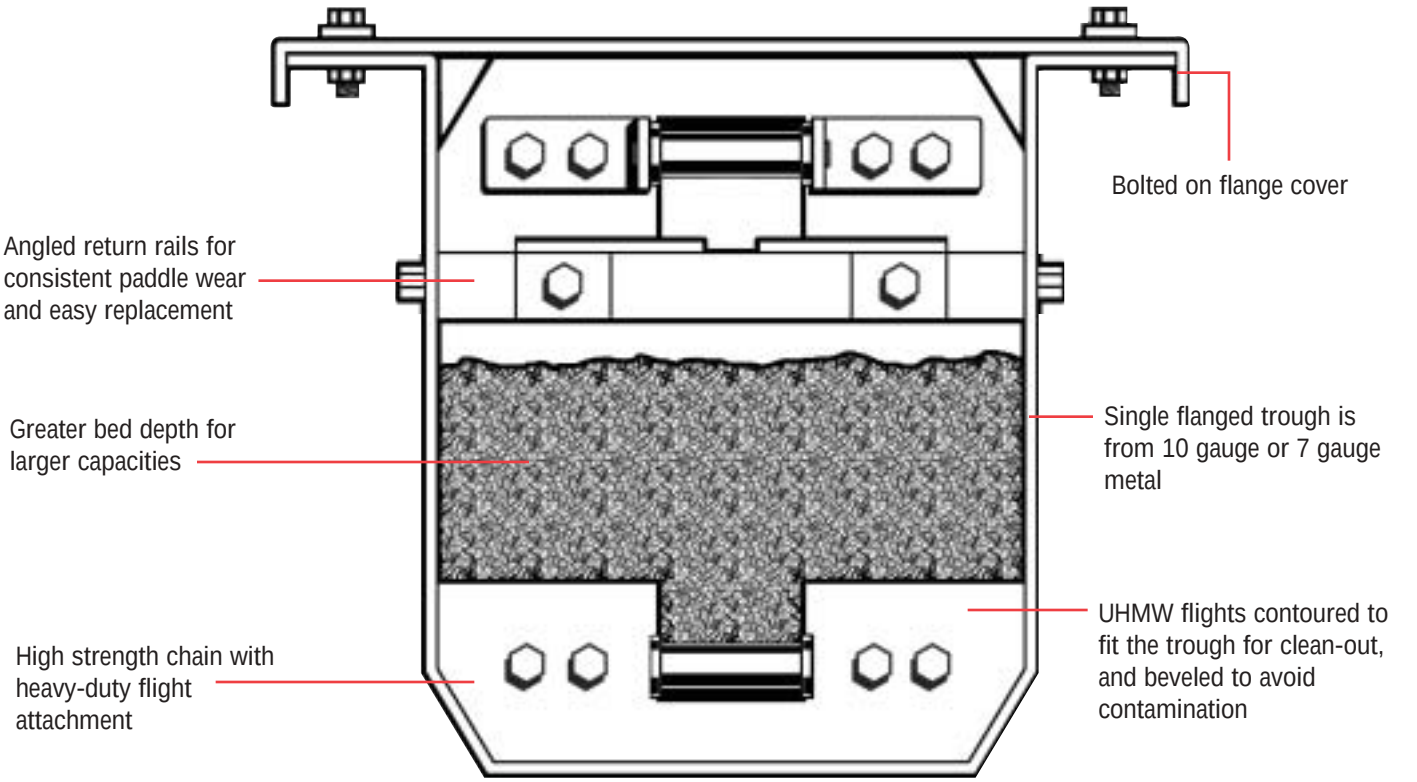
The combination trough-flight design partnership of the Super-V addresses the important issues of cross contamination by residual materials left in a conveyor. Varieties of product conveyed by a single unit receive optimal treatment by the use of the Super-V. The design of the flight to the form of the trough provides the cleanout you require. Simply stated the "V" configuration allows the Super-V Drag Conveyor to cleanout the trough and carry greater capacity.

The Super-V return rail system is easily replaced, and at the same time minimizes the carry-over of material. Carry-over is often a critical operational issue. The design of the return rail system allows material on the chain, flight and flight attachment to drop into the transport area and the return rail is wiped clean. Replacement of the rails, if needed, is a simple process of unbolting the five foot sections and installing new rails.

Another capability the Super-V offers is the marriage of a pan feeder and knife gate that gives the unit incredible flexibility for your material handling needs. Look at the conceptual ideas behind the Super-V Drag Conveyor, and we believe you will find it to be well designed and cost effective.

Application of the Super-V to your specific material handling needs will go beyond the traditional one-size hits all approach. At SCC we will work to ensure speed of operation, depth and quantity of product moved, and unit recommended fit your needs.

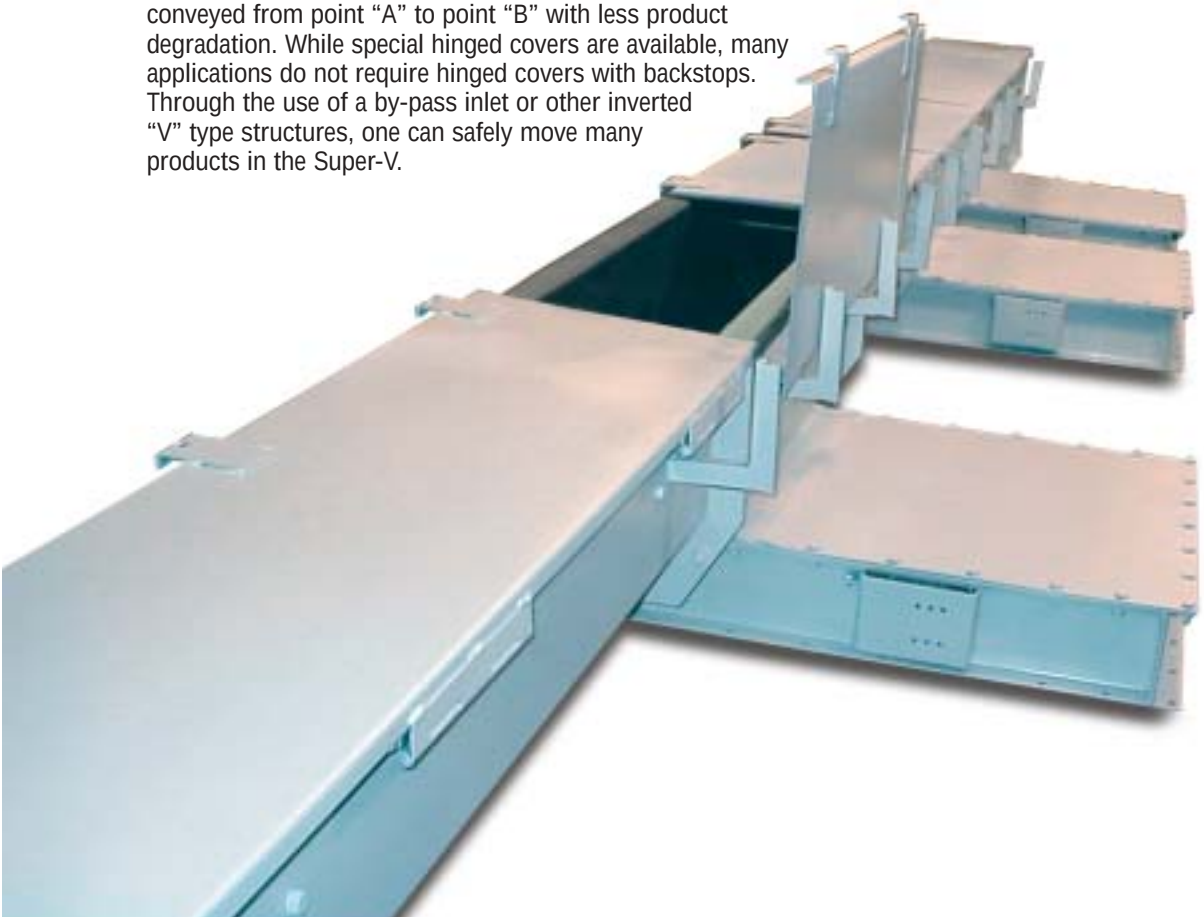
Typical Super-V™ Cross Section



FLUSH MOUNTED GATES: KEY SUPER-V™ FEATURE

Critical to the limitation of product degradation is the need for smooth transitions of material across the surface areas and seams of intermediate discharges. The SCC designed, horizontally mounted flush gate pictured below meets this critical material handling need. Where the gate cuts across the trough, the edge is two pieces of metal butted together. The result is a machined seam no more detrimental to your product than the transition from one trough to the next in line.

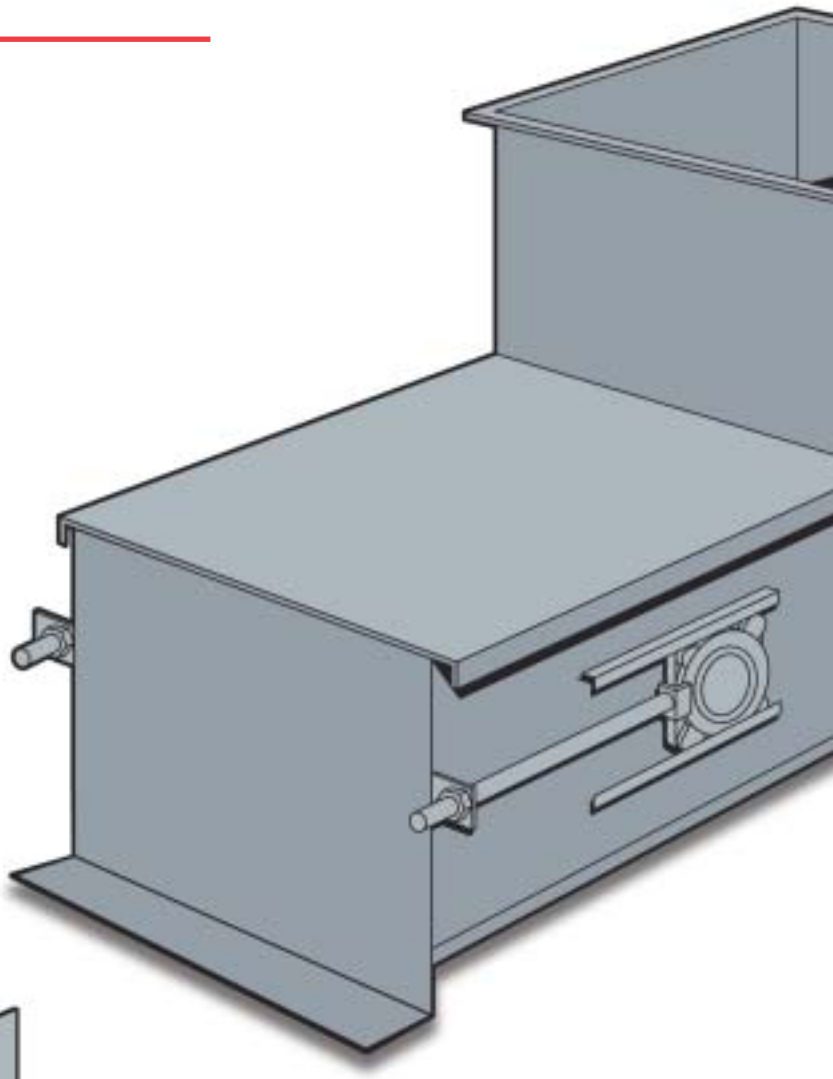
Use of the Super-V with flush mounted intermediate gates (as pictured below) fits well into a variety of material handling operations where friable materials are involved. Through the use of the Super-V's larger capacities and keeping speed to a minimum, product can be gently conveyed from point "A" to point "B" with less product degradation. While special hinged covers are available, many applications do not require hinged covers with backstops. Through the use of a by-pass inlet or other inverted "V" type structures, one can safely move many products in the Super-V.

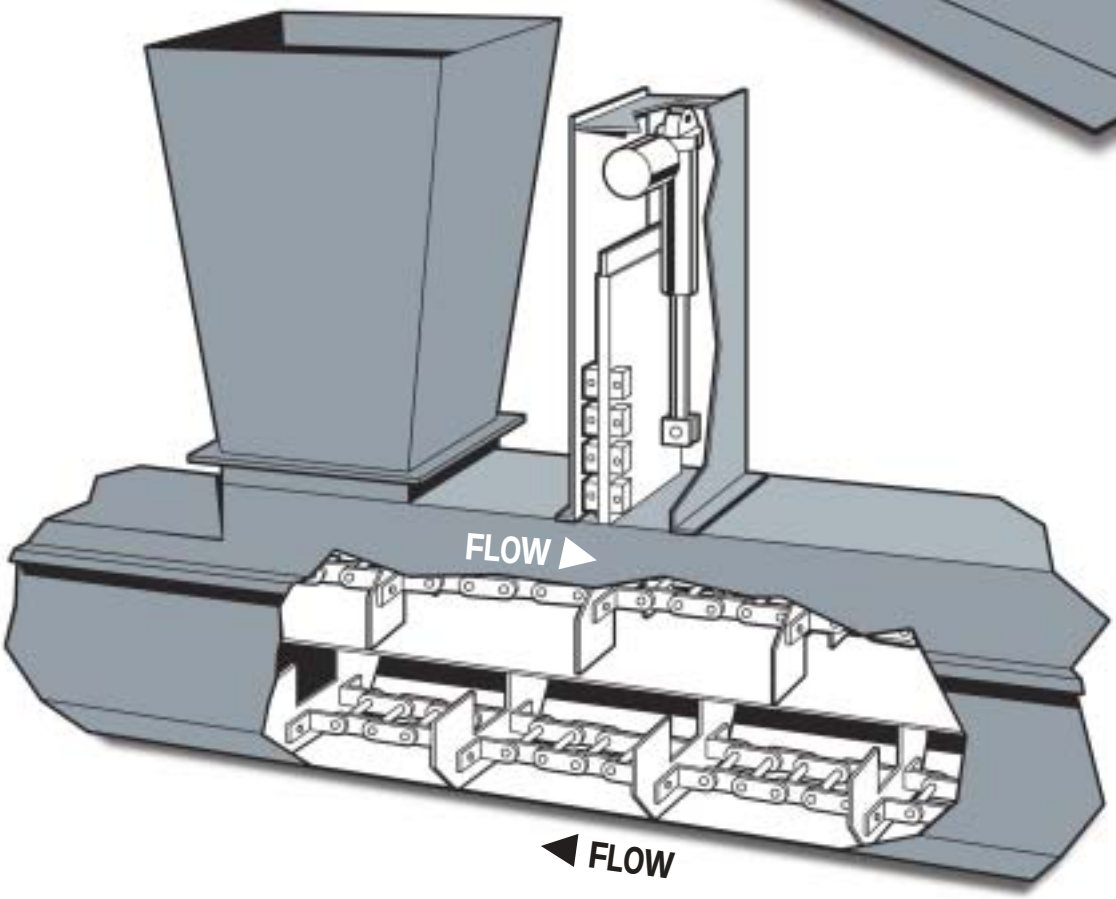


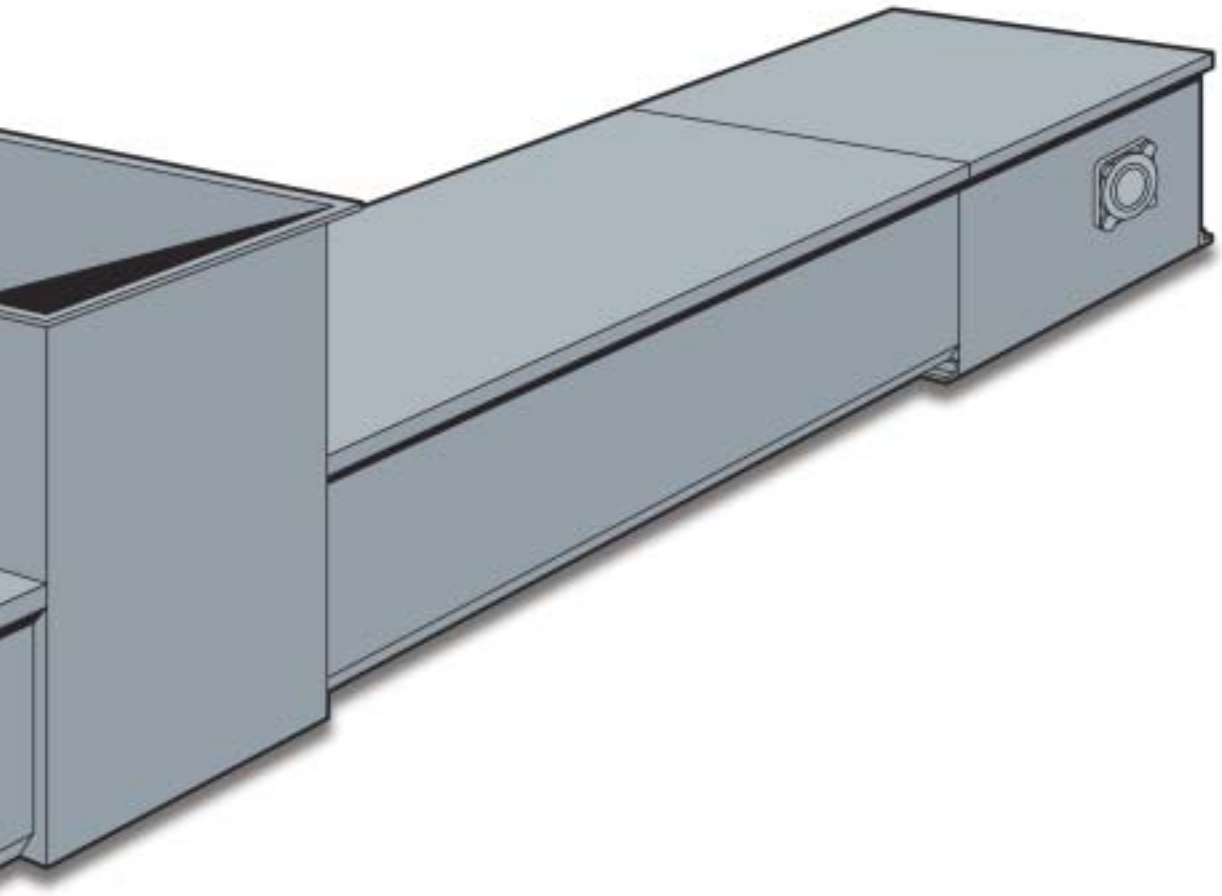
HANDLING DISSIMILAR MATERIALS WAS NEVER EASIER!

Purchase of a Super-V™ Drag Conveyor with pan feeder and knife gate combination makes the handling of unlike materials straightforward. Whether you have two different items that would require a manual adjustment of a knife gate up and down, or you have more items requiring differing levels of automated input control, the pan feeder and knife gate are ideal. When these features are combined with the cleanout capabilities of the Super-V, you have a very effective piece of material handling equipment.

The illustration below is an automated system using a linear actuator and cylinder to control the flow of dissimilar materials. Material moves from left to right and is dragged towards the tail on a pan with the material level controlled by the knife gate. Once past the gate, material falls to the bottom of the unit and is moved forward to a discharge. Let Screw Conveyor Corporation put together a package that will solve your problems. Calling your SCC Customer Service Representative today!







SUPER-V™ CAPACITY AND HORSEPOWER

Unit Sizes	Cu.Ft./Hr. @ 75 Ft./Min.	*Hp per foot @ 75 FPM	Cu.Ft./Hr. @ 100 Ft./Min.	*Hp per foot @ 100 FPM	Cu.Ft./Hr. @ 125 Ft./Min.	*Hp per foot @ 125 FPM	Cu.Ft./Hr. @ 150 Ft./Min.	*Hp per foot @ 150 FPM	Cu.Ft./Hr. @ 175 Ft./Min.	*Hp per foot @ 175 FPM
6 x 5	733	0.011	978	0.014	1,222	0.018	1,466	0.022	1,712	0.025
10 x 5	1,239	0.018	1,653	0.025	2,066	0.031	2,479	0.037	2,892	0.043
13 x 5	1,620	0.024	2,160	0.032	2,700	0.040	3,240	0.048	3,780	0.056
9 x 8	1,936	0.027	2,582	0.037	3,227	0.046	3,873	0.055	4,518	0.064
13 x 8	2,808	0.040	3,744	0.053	4,680	0.066	5,616	0.080	6,552	0.093
19 x 8	4,116	0.058	5,488	0.078	6,860	0.097	8,232	0.117	9,604	0.136
13 x 11	3,904	0.049	5,206	0.066	6,507	0.082	7,809	0.099	9,110	0.115
19 x 11	5,718	0.072	7,625	0.097	9,531	0.121	11,437	0.145	13,343	0.169
24 x 11	7,230	0.092	9,641	0.122	12,051	0.153	14,461	0.183	16,872	0.214
19 x 14	7,495	0.086	9,994	0.115	12,492	0.143	14,991	0.172	17,489	0.201
24 x 14	9,424	0.108	12,566	0.144	15,707	0.180	18,849	0.216	21,990	0.252
30 x 14	11,787	0.135	15,716	0.180	19645	0.225	23,574	0.270	27,503	0.315

*To calculate horsepower, multiply the HP factor by the length of the unit proposed in feet. The calculation is based on use of free flowing material weighing 45 pounds per cubic foot.

ENDURO-FLO® DRAG CONVEYORS

Heavy Duty Head Section

Enduro-Flo Drag Conveyors For Standard or Heavy Duty Use

The Enduro-Flo Drag Conveyors have been developed to provide the industrial user or commercial processor a rugged high capacity unit built to their job specific needs. Units of standard design are available in sizes 9" - 48" with key component differences detailed below:

Standard Model Features

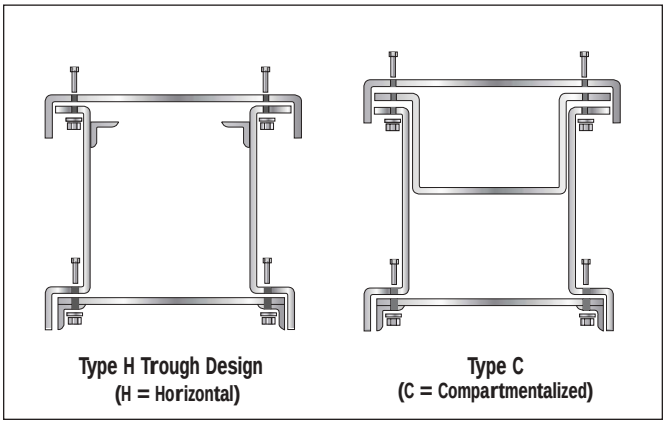
Sizes 9"–36"
Spring Compression Take Ups maintain constant chain tension.
Bend Section with AR top.
Optional bottom and side liners.

Heavy Duty Model Features

Sizes 16"–48"
Screw Type Take Ups with ACME threads.
Bend Section with AR top and bottom.
Extra Heavy housing.
Replaceable AR bottom 3/8" thick.
Larger sizes for increased capacities.
Optional bolt in side liners.

Gauges

	Standard Conveyor size		Heavy Duty Conveyor size		
	9"–24"	30"–36"	16"–24"	30"–48"	
Tail	12 GA	10 GA.	10 GA.	3/16" thk.	
Drive	10 GA.	3/16" thk.	3/16" thk.	1/4" thk.	
Trough	10 GA.	3/16" thk.	10 GA.	3/16" thk.	(3/8 AR bottom all sizes)



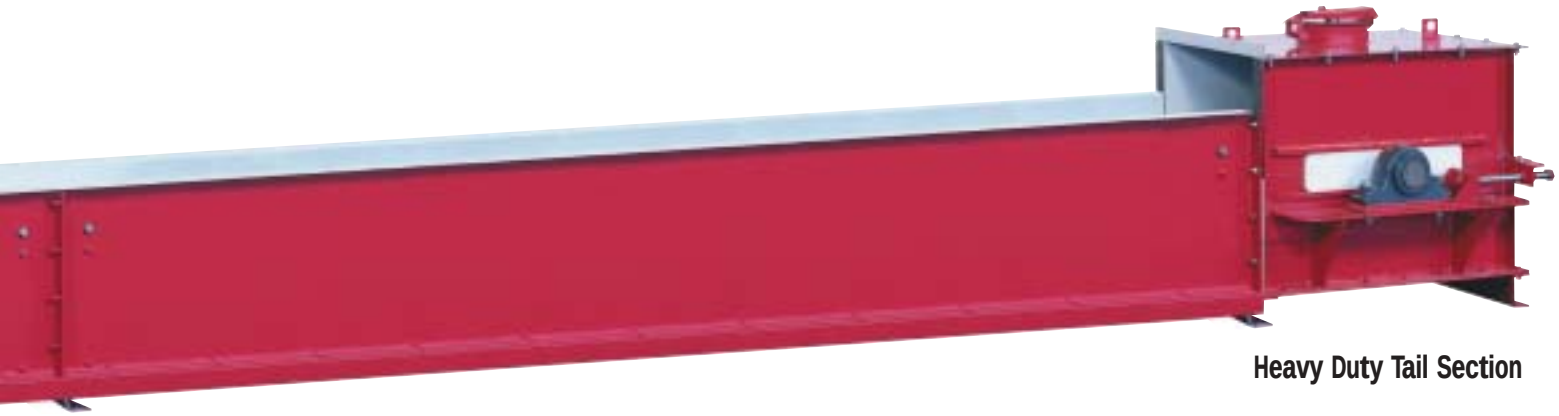
Type H Trough Design (H = Horizontal)

Type C (C = Compartmentalized)

Features and Advantages

- **Bolt on Bottom** replaceable and flanged for added structural support.
- **Sprockets –** flame cut, flamed hardened for wear resistance and ease of maintenance.
- **Grate Protected Inspection Ports** at head and tail terminals equipped with quick release heavy-duty draw latch.
- **Removable Return Rails –** bolt-in configuration reduces product carry overs and increases flight life by distributing wear across greater flight area.
- **Lifting Lugs** on head and tail terminals provides for easy cover removal and maintenance.
- **Heavy Duty pillow block roller bearings.**
- **Chain –** welded steel mill chain, fully heat-treated.
- **Compartmentalized** for inclined applications with easy drop-in design that uses the same bolt holes as the cover.
- **Bend Sections –** (up and down) to 90 degrees.

Optional Features
Divided Flow By-Pass Inlet
Stainless Steel Construction
Diaphragm Type Relief Switch/Overflow Monitor



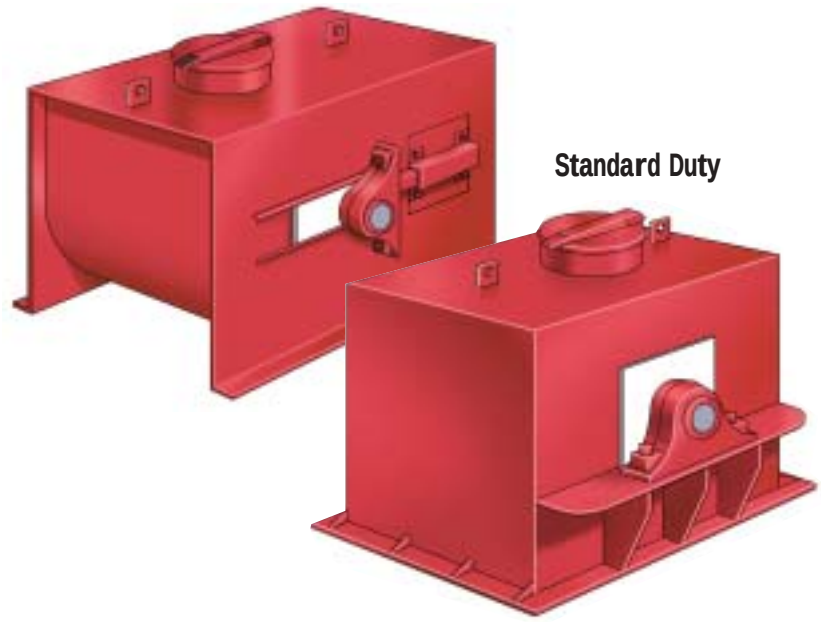
Heavy Duty Tail Section

Split Head and Tail Sections Available

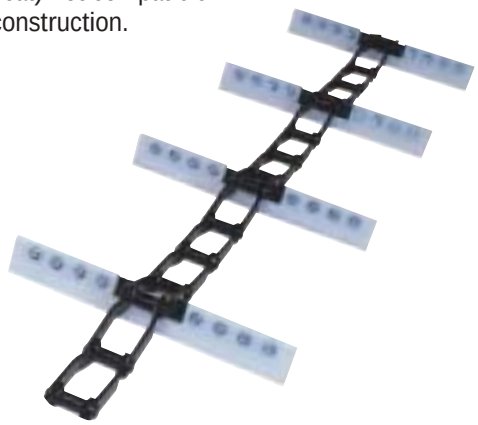
The split head and tail sections make maintenance simple with easy shaft and sprocket removal. Enduro-Flo drag flight and compartmentalized en masse conveyors utilize the same trough, drive and tail terminals which allow more interchangeability and makes replacement parts more available. Optional Diaphragm Type Relief Switch/overflow monitor, as pictured, is available. SCC designed inspection ports are simple and rugged.

Variety of Materials for Flight Construction

Conveyor flights are constructed of UHMW polyethylene and securely fastened to an all-steel fully heat treated welded chain. Special flights are available for handling materials that are extremely abrasive, corrosive or have other special properties (such as high heat) not compatible with standard construction.

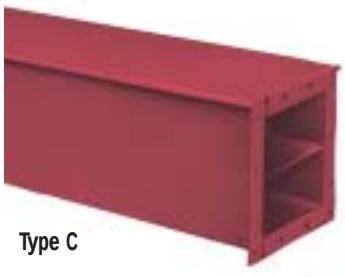


Standard Duty



Type C Flight

Type C – Compartmentalized Configuration



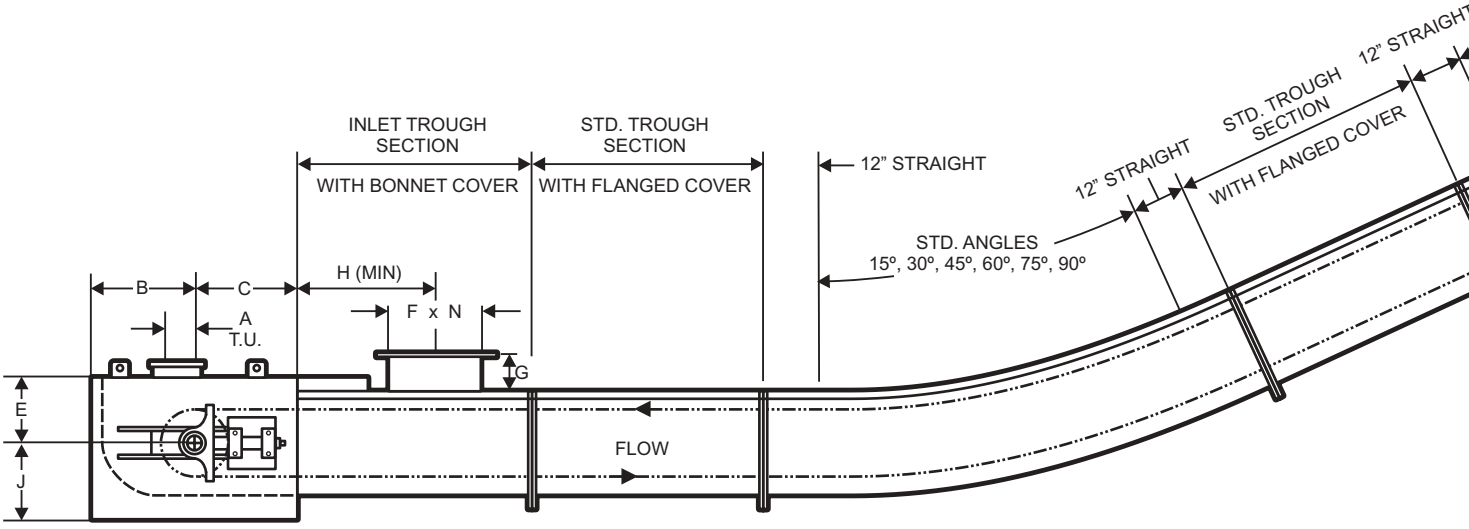
Type C

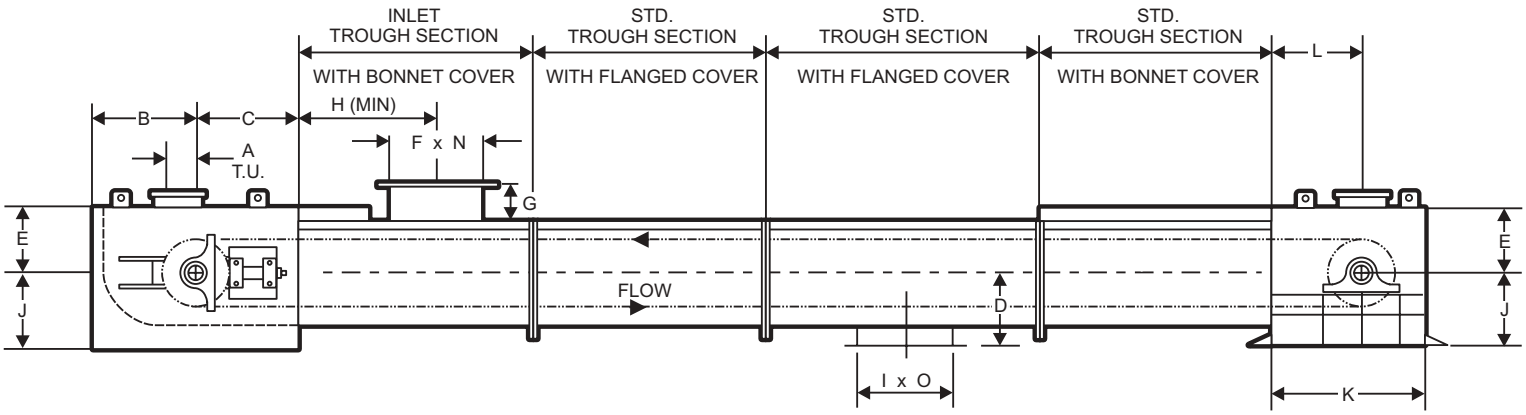
Straight Incline

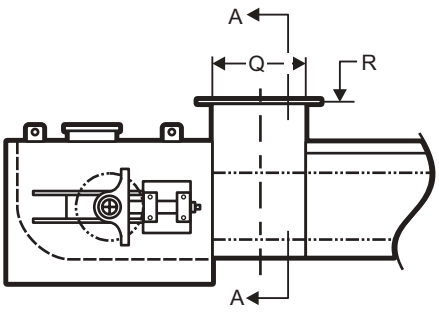
Curved Incline

"S" Curve Incline

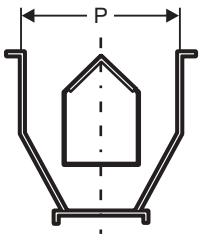
ENDURO-FLO® DRAG CONVEYORS



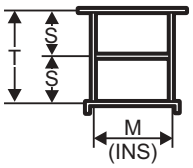




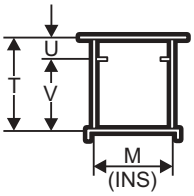
OPTIONAL DIVIDED-FLOW INLET



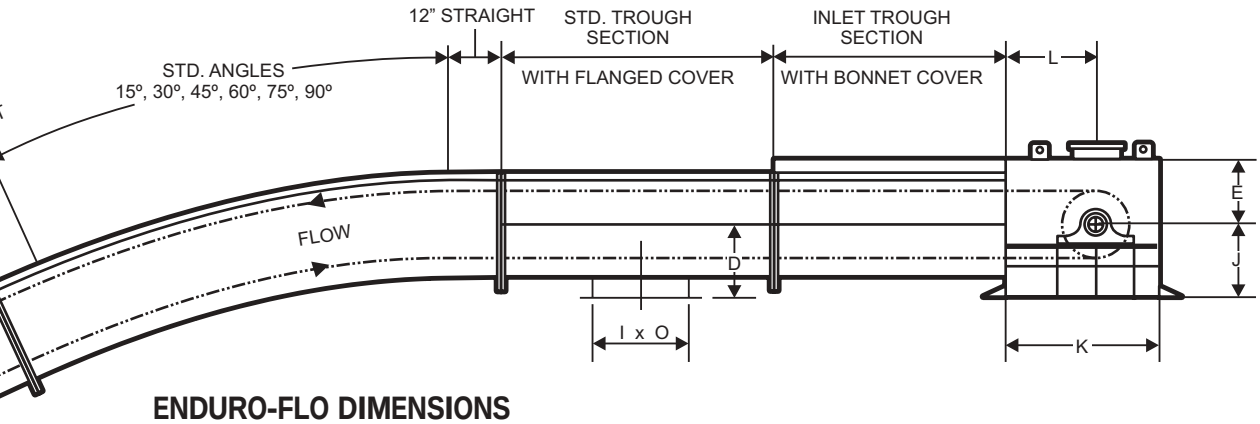
SECTION A - A



TYPICAL TYPE C TROUGH SECTION

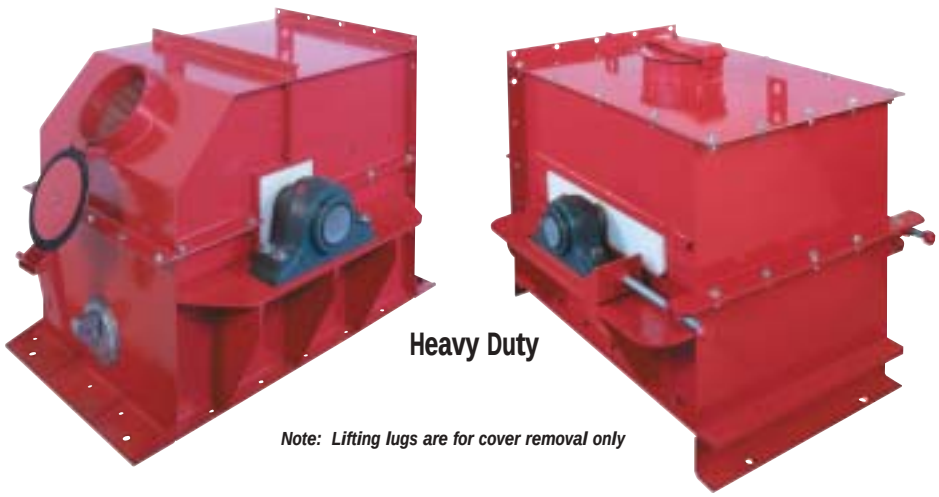


TYPICAL TYPE H TROUGH SECTION



ENDURO-FLO DIMENSIONS

	9"	12"	16"	18"	24"	30"	36"	42"	48"
A	6"	6"	6"	9"	9"	12"	12"	12"	12"
B	19 1/8"	19 1/8"	19 1/8"	2'–3 1/8"	2'–3 1/8"	2'–9"	2'–9"	2'–9"	2'–9"
C	19 7/8"	19 7/8"	19 7/8"	23 7/8"	23 7/8"	3'–6"	3'–6"	3'–6"	3'–6"
D	13"	13"	13"	16 7/8"	16 7/8"	16 7/8"	16 7/8"	16 7/8"	16 7/8"
E	11 1/4"	11 1/4"	11 1/4"	15 3/4"	15 3/4"	17 3/4"	17 3/4"	17 3/4"	17 3/4"
F	16"	18"	22"	2'–0"	2'–6"	3'–0"	3'–0"	3'–0"	3'–0"
G	7 1/2"	7 1/2"	7 1/2"	10 1/4"	10 1/4"	10 1/4"	10 1/4"	10 1/4"	10 1/4"
H	4'–0"	4'–0"	4'–0"	4'–6"	4'–6"	5'–0"	5'–0"	5'–0"	5'–0"
I	18"	21"	2'–0"	2'–4"	2'–6"	3'–0"	3'–0"	3'–0"	3'–0"
J	15 1/4"	15 1/4"	15 1/4"	20 1/4"	20 1/4"	22 1/4"	22 1/4"	22 1/4"	22 1/4"
K	2'–6"	2'–6"	2'–6"	3'–4"	3'–4"	4'–6"	4'–6"	4'–6"	4'–6"
L	17 5/8"	17 5/8"	17 5/8"	23 1/8"	23 1/8"	2'–10 3/16"	2'–10 3/16"	2'–10 3/16"	2'–10 3/16"
M	10"	13"	17"	19"	2'–1"	2'–7"	3'–1"	3'–7"	4'–1"
N	7"	10"	14"	16"	22"	2'–4"	2'–10"	3'–4"	3'–10"
O	9 1/4"	12 1/4"	16 1/4"	18 1/4"	2'– 1/4"	2'–6 1/4"	3'– 0 1/4"	3'–6 1/4"	4'–0 1/4"
P	2'–0"	2'–3"	2'–7"	2'–9"	3'–3"	3'–9"	4'–3"	4'–9"	5'–3"
R	10"	10"	10"	14"	14"	19"	19"	2'–1"	2'–1"
S	8 1/2"	8 1/2"	8 1/2"	11 7/8"	11 7/8"	13 7/8"	13 7/8"	13 7/8"	13 7/8"
T	17"	17"	17"	23 3/4"	23 3/4"	2'–3/4"	2'–3/4"	2'–3/4"	2'–3/4"
U	4"	4"	4"	4 1/4"	4 1/4"	5 1/4"	5 1/4"	5 1/4"	5 1/4"
V	13"	13"	13"	19 1/2"	19 1/2"	22 1/2"	22 1/2"	22 1/2"	22 1/2"



Heavy Duty

Note: Lifting lugs are for cover removal only

ENDURO-FLO® Technical Information

ENDURO-FLO (HORIZONTAL) CAPACITIES

Unit Size	75 Ft./Min. Cu. Ft./Hr.	*@ 75 Ft./Min. Hp/Ft.	100 Ft./Min. Cu. Ft./Hr.	*@ 100 Ft./Min. Hp/Ft.	125 Ft./Min. Cu. Ft./Hr.	*@ 125 Ft./Min. Hp/Ft.	150 Ft./Min. Cu. Ft./Hr.	*@ 150 Ft./Min. Hp/Ft.	175 Ft./Min. Cu. Ft./Hr.	*@ 175 Ft./Min. Hp/Ft.
9"	3,795	0.040	5,060	0.053	6,075	0.063	7,590	0.079	8,605	0.090
12"	4,935	0.051	6,580	0.068	8,225	0.086	9,870	0.103	11,515	0.120
16"	6,454	0.067	8,605	0.089	10,760	0.112	12,910	0.134	15,060	0.157
18"	10,688	0.105	14,250	0.141	17,815	0.176	21,375	0.212	24,940	0.247
24"	14,063	0.136	18,750	0.182	23,440	0.227	28,125	0.273	32,815	0.318
30"	19,886	0.189	26,514	0.252	33,142	0.315	39,771	0.378	46,399	0.441
36"	23,936	0.225	31,914	0.300	39,892	0.375	47,871	0.450	55,849	0.525
42"	27,814	0.262	37,085	0.349	46,355	0.436	55,625	0.523	64,895	0.610
48"	31,695	0.298	42,260	0.397	52,825	0.497	63,390	0.596	73,955	0.695

*To calculate horsepower, multiply the HP factor by the length of the unit proposed in feet. The calculation is based on use of free flowing material weighing 45 pounds per cubic foot.

ENDURO-FLO (HORIZONTAL) WEIGHTS

	9"	12"	16"	18"	24"	30"	36"
Drive Terminal W.T. (LB.)Thickness	450 #10GA.	465 #10GA.	490 #10GA.	910 #10GA.	955 #10GA.	1540 3/16"	1650 3/16"
Tail Terminal With Take-up WT. (LB.)Thickness	350 #12GA.	380 #12GA.	410 #12GA.	740 #12GA.	795 #12GA.	1220 #10GA.	1355 #10GA.
Divided-Flow Inlet WT. (LB.) Thickness	230 #12GA.	245 #12GA.	255 #12GA.	395 #12GA.	430 #12GA.	690 #10GA.	770 #12GA.
Standard Stub Inlet WT. (LB.) Angle Thickness	14 3/16"	15 3/16"	19 3/16"	25 3/16"	32 3/16"	44 3/16"	48 3/16"
Standard Stub Discharge WT. (LB.) Thickness	8 #10GA.	10 #10GA.	12 #10GA.	17 #10GA.	19 #10GA.	32 3/16"	35 3/16"
10'–0' Trough Comp (LB.) W/Bonnet W/Flange Cover	655 615	705 665	765 725	970 920	1,065 1,025	1,470 1,430	1,660 1,620
Trough Thickness	#10GA.	#10GA.	#10GA.	#10GA.	#10GA.	3/16"	3/16"
Cover Thickness	#10GA.	#10GA.	#10GA.	#10GA.	#10GA.	#10GA.	#10GA.

*42" and 48" Weights On Request

ENDURO-FLO (COMPARTMENT) CAPACITIES

Unit Size	75 Ft./Min. Cu. Ft./Hr.	*@ 75 Ft./Min. Hp/Ft.	100 Ft./Min. Cu. Ft./Hr.	*@ 100 Ft./Min. Hp/Ft.	125 Ft./Min. Cu. Ft./Hr.	*@ 125 Ft./Min. Hp/Ft.	150 Ft./Min. Cu. Ft./Hr.	*@ 150 Ft./Min. Hp/Ft.	175 Ft./Min. Cu. Ft./Hr.	*@ 175 Ft./Min. Hp/Ft.
9"	1,808	0.040	2,410	0.053	3,015	0.063	3,620	0.079	4,223	0.090
12"	2,531	0.051	3,375	0.068	4,220	0.086	5,060	0.103	5,903	0.120
16"	3,488	0.067	4,650	0.089	5,815	0.112	6,975	0.134	8,140	0.157
18"	4,961	0.105	6,615	0.141	8,265	0.176	9,920	0.212	11,675	0.247
24"	6,964	0.136	9,285	0.182	11,605	0.227	11,930	0.273	16,250	0.318
30"	9,639	0.189	12,852	0.252	16,065	0.315	16,250	0.378	22,491	0.441
36"	11,988	0.225	15,984	0.300	19,980	0.375	18,570	0.450	27,972	0.525
42"	14,351	0.262	19,135	0.349	23,915	0.436	25,704	0.523	33,485	0.610
48"	16,695	0.298	22,260	0.397	27,825	0.497	31,968	0.596	38,955	0.695

*To calculate horsepower, multiply the HP factor by the length of the unit proposed in feet. The calculation is based on use of free flowing material weighing 45 pounds per cubic foot. Contact your SCC Sales Office when the unit would possess a bend section or incline greater than 10 degrees.

ENDURO-FLO (COMPARTMENT) WEIGHTS

	9"	12"	16"	18"	24"	30"	36"
15° Bend	270	310	325	415	470	550	600
30° Bend	455	540	565	700	800	930	1,035
45° Bend	559	710	800	985	1,130	1,300	1,445
60° Bend	815	915	1,025	1,250	1,450	1,725	1,985
75° Bend	990	1,145	1,245	1,510	1,755	2,015	2,250
90° Bend	1,165	1,375	1,375	1,770	2,060	2,305	2,515

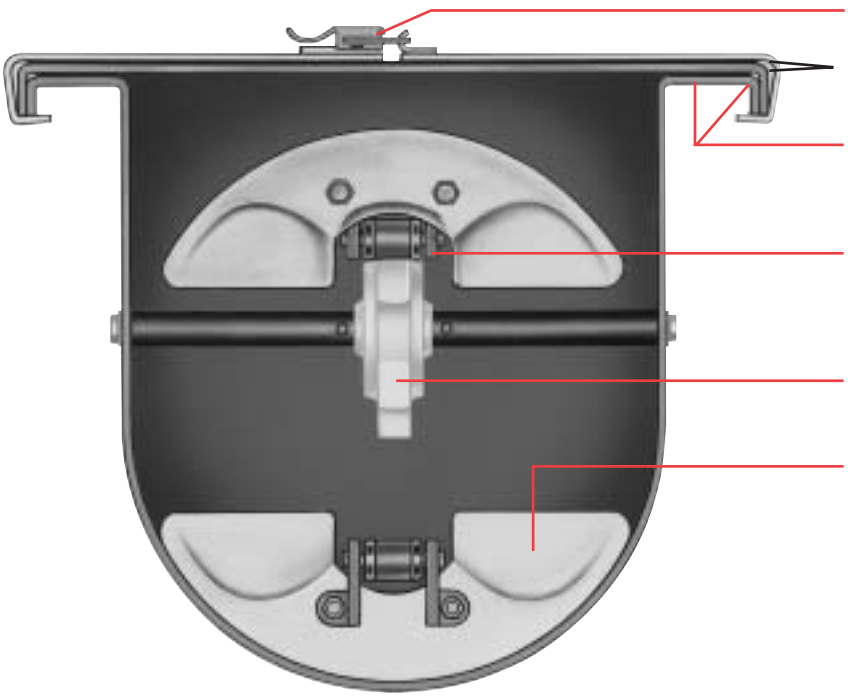
SUPER-FLO® DRAG CONVEYORS OFFER GENTLE MATERIAL HANDLING

Super-Flo drag conveyors deliver bulk materials gently with a smooth positive action that eliminates damaging materials tumbling and agitation. Since the round bottom design was originated and patented by Screw Conveyor Corporation over 45 years ago, this mode of material transport remains a cost effective method of handling materials whose composition if damaged would reduce their value. In a modern era fixated on the need for an A/R (abrasive resistant) liner to insure long life in a flat bottom design, the Super-Flo's curved troughs with cost effective injection molded SCREWCO flights provides years of life at lower annual cost.

The Super-Flo conveyor over the years has been manufactured from a variety of specialty materials manufactured to meet the needs of a specific application. Over the years we have discovered unique answers for customers such as a specialty bronze alloy chain (available in C55 & C188) used in the food processing industry. Screw Conveyor Corporation has found the material characteristics and cost are superior to stainless steel chain. Super-Flo units have typically been supplied with C55 and C188 Quad-Staked Chain constructed with a cast block link connected with a low carbon 1010 T-pin. The advent of low cost imports has added 81X and 81XHD to the mix for greater cost effectiveness.

The trough design employed for the Super-Flo continues to separate it from all the imitators. The double-flanged, one-piece trough is deeper than a conventional screw conveyor trough providing greater capacity in typical units. When combined with cover and quick release Barron clamps, access for inspection and maintenance is simple and easy.

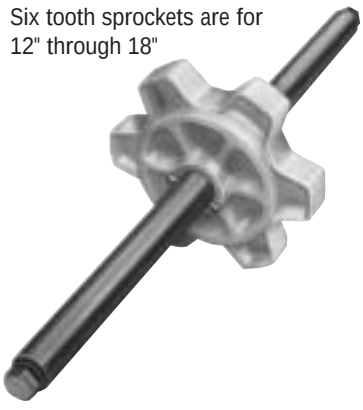
Super-Flo when properly applied by a trained Screw Conveyor Corporation Sales Engineer provides a timeless value.



SCREWCO Sprockets and Idler Shafts

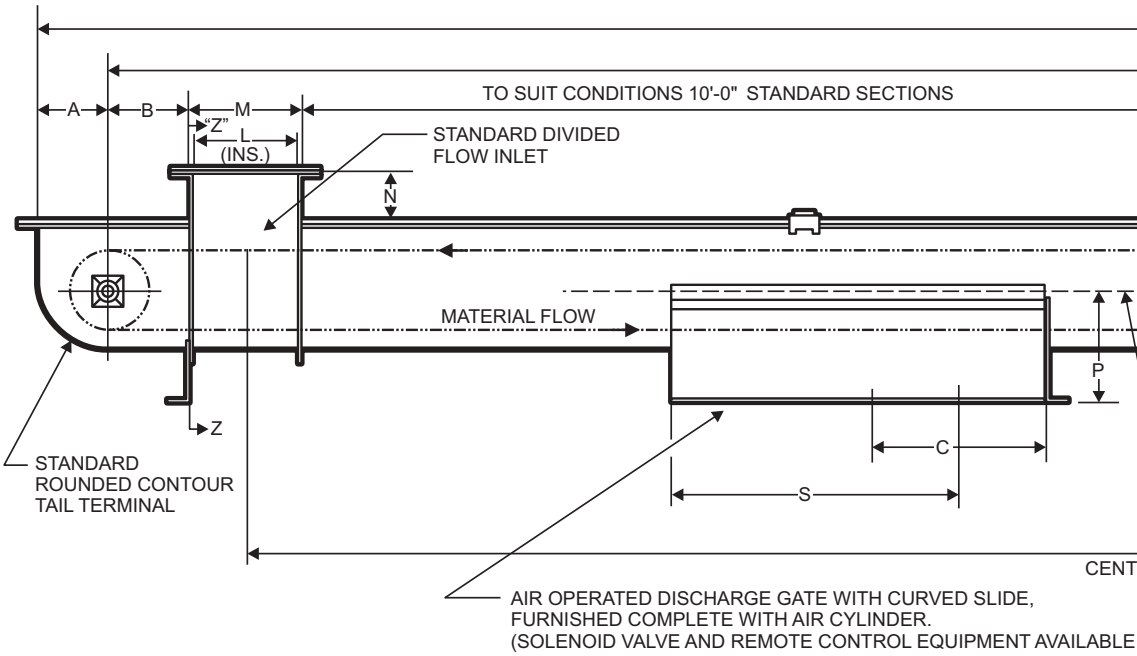
Five tooth sprockets are for 6" and 9" sizes

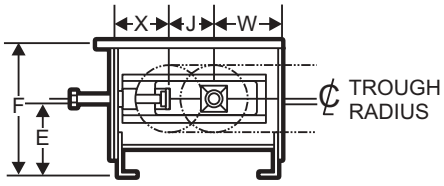
Six tooth sprockets are for 12" through 18"



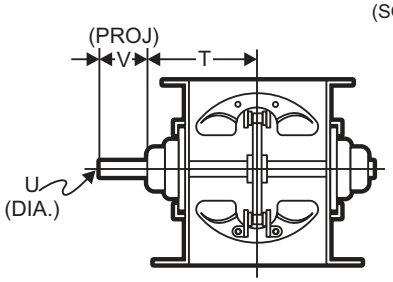
Eight tooth sprockets are for 20" and 24"

SUPER-FLO® DIMENSIONS AND FEATURES





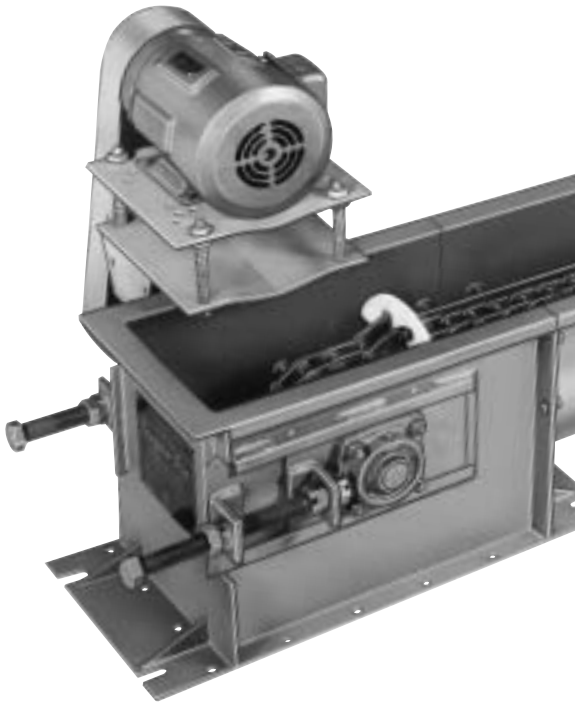
TAKE-UP TAIL TERMINAL
(OPTIONAL, USED WITH
FIXED HEAD SHAFT)

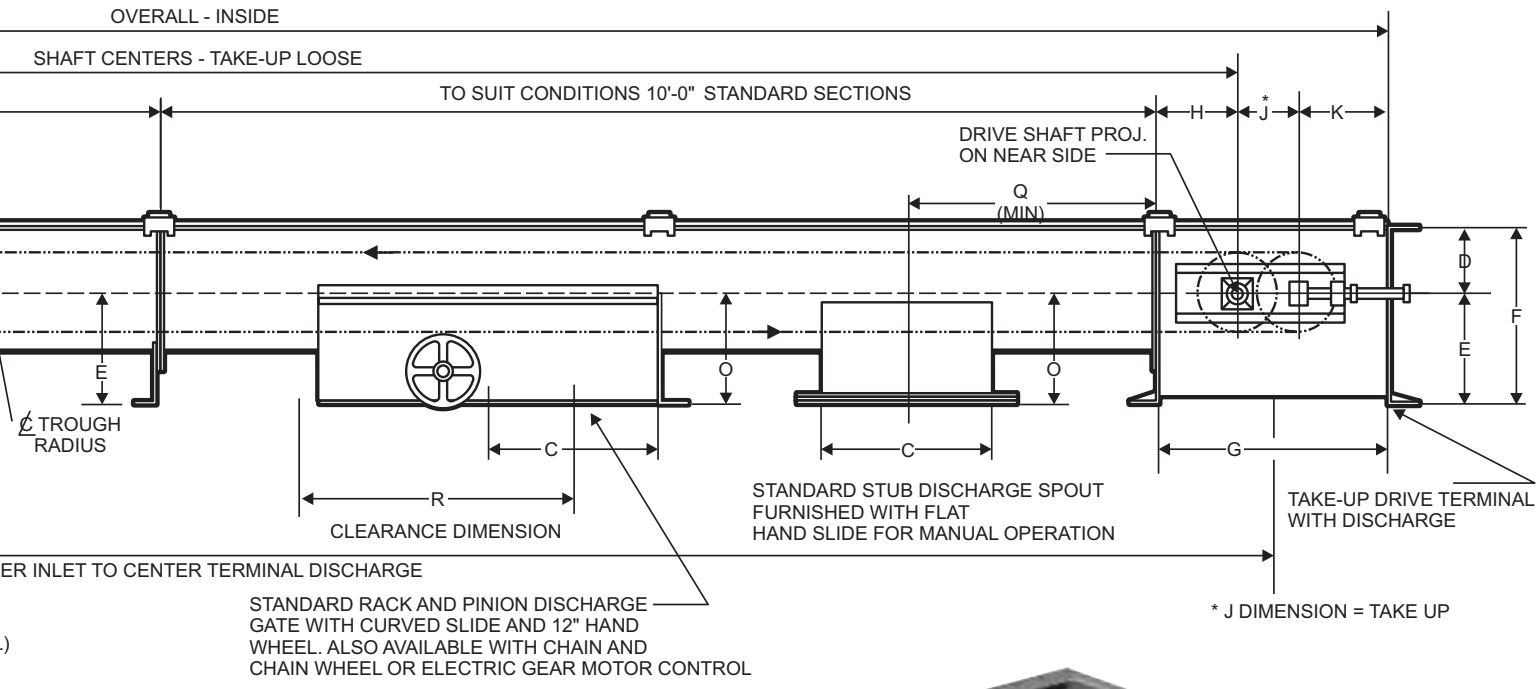


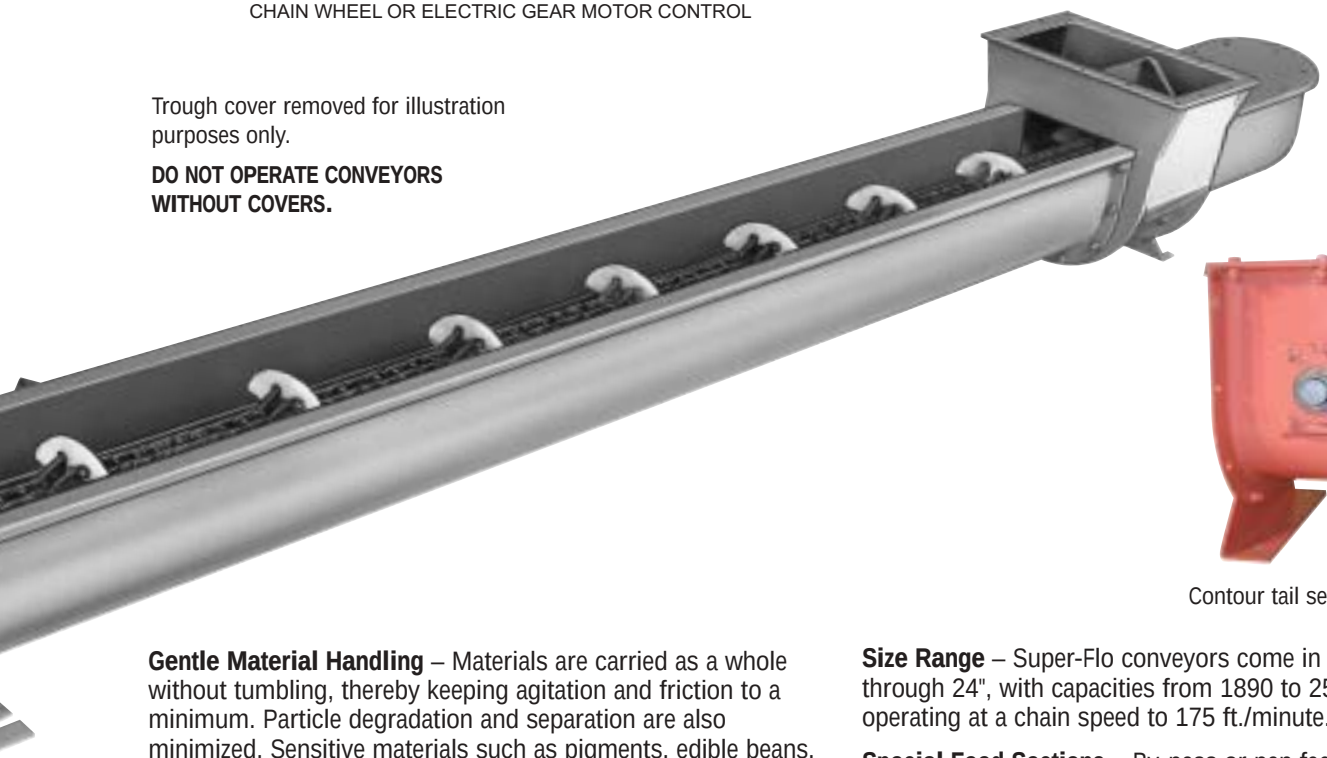
DRIVE TERMINAL
WITH DISCHARGE

SUPER-FLO SIZES

Dimensions in Inches	6"	9"	12"	14"	16"	18"	20"	24"
A	5	6	7 9/16	8 13/16	10	11 1/4	12 7/16	13 15/16
B	3	5 1/8	6 11/16	7 15/16	9 1/8	10 3/8	11 9/16	14 1/16
C	12	18	21	24	24	28	30	30
D	5 3/4	6 5/8	8 1/4	9 3/4	11 1/8	12 5/8	14	17
E	5 5/8	7 7/8	9 5/8	10 7/8	12	13 3/8	15	18 1/8
F	11 3/8	14 1/2	17 7/8	20 5/8	23 1/8	26	29	35 1/8
G	15	18	21	24	26	28	30	30
H	7 3/16	9 3/16	10 7/16	12 3/16	14 3/16	12 15/16	16 3/16	20 3/16
J	2 1/2	2 1/2	3 1/2	3 1/2	3 1/2	4	4	4
K	5 1/2	6 1/2	7 1/4	8 1/2	9 3/4	11	12 1/4	14 3/4
L	10	12	13	16	16	18	18	20
M	10 1/4	12 1/4	13 1/4	16 1/4	16 1/4	18 3/8	18 3/8	20 3/8
N	4 1/8	5 5/8	7 1/8	8 1/8	9 1/8	10	11 1/8	13 1/8
O	8	9 1/2	11	10 13/16	11 13/16	12 13/16	13 7/8	15 7/8
P	9 1/2	11	12 1/2	13 1/2	14 1/2	16 1/2	17 5/8	19 5/8
Q	9 1/4	14 5/8	17 1/8	18 5/8	19 1/8	22 1/8	23 5/8	24 1/8
R	23	32	36 1/2	41	41	47	50	50
S	25 3/4	34 3/4	39 1/4	43 3/4	44 3/4	51 3/8	54 3/8	54 3/8
T	5 1/2	7 1/8	9 3/8	10 3/8	11 3/4	13 7/16	14 7/16	17 1/4
U	1 3/16	1 7/16	2 3/16	2 3/16	2 7/16	2 15/16	2 15/16	3 7/16
V	8 13/16	10 9/16	12 5/16	2 5/16	13 9/16	15 1/8	15 1/8	16 3/8
W	5	5 1/4	6 1/2	6 1/2	6 3/4	8	8	9 1/2
X	8 1/4	8 3/4	10 1/2	10 1/2	11	12	13	15 1/2







Trough cover removed for illustration purposes only.

DO NOT OPERATE CONVEYORS WITHOUT COVERS.

Contour tail section with foot

Gentle Material Handling – Materials are carried as a whole without tumbling, thereby keeping agitation and friction to a minimum. Particle degradation and separation are also minimized. Sensitive materials such as pigments, edible beans, malt, seed grains, tea and coffee are ideal for Super-Flo conveyors.

Self-Cleaning – Super-Flo conveyors are virtually self-cleaning, as the flights wipe the trough bottom after every batch.

Completely Enclosed – Keeps dusting to a minimum. The addition of battens and bolted covers with gasketed trough flanges can provide further dust-tight construction. For outside weather-tight construction, hip roof bolted covers with gaskets throughout are available.

Super-Flo Conveyor Economy – Low initial cost and low power requirements mean a more economical conveying system now and in the future, especially versus a screw conveyor.

Size Range – Super-Flo conveyors come in 10 sizes, from 6" through 24", with capacities from 1890 to 25,765 cu. ft./hr. operating at a chain speed to 175 ft./minute.

Special Feed Sections – By-pass or pan feeders are available for a wide variety of applications. Manual or electronic control mechanisms can be used to deal with multiple products with densities from 10# to 90# for example.

Intermediate Discharges – Intermediate discharge openings are teardrop-shaped rather than rectangular. This shape allows the flights and chain to cross over without the use of crossover bars or fabricated parts, as well as allowing maximum possible discharge. Intermediate discharge spouts are furnished with curved slide gates as standard.

SUPER-FLO® CONVEYOR WEIGHTS*

Size	Drive Terminal with Take Up		Contour Terminal		Divided Flow Inlet		10' Trough Complete	Trough Ga.	Cover Ga.
	Wt. lbs.	Ga.	Wt. lbs.	Ga.	Wt. lbs.	Ga.	lbs.		
6"	61	12	22	14	37	12	167	14	16
9"	86	12	46	12	60	12	258	12	14
12"	192	10	87	10	109	10	393	10	14
14"	212	10	99	10	128	10	438	10	14
16"	250	10	125	10	142	10	484	10	14
18"	394	3/16	181	3/16	215	3/16	529	10	12
20"	460	3/16	222	3/16	280	3/16	677	10	12
24"	574	3/16	340	3/16	360	3/16	761	10	12

*Weights shown are shipping weights with each part containing chain, flights and covers. Supporting structure for conveyors should be determined using these weights plus weight of material contained in conveyor. Consult our office for more data if required.

SUPER-FLO® CONVEYOR CAPACITIES**

Size	Cu. Ft. Per Hr. @100' Per Min.	Cu. Ft. Per Hr. @125' Per Min.	Cu. Ft. Per Hr. @150' Per Min.	Cu. Ft. Per Hr. @175' Per Min.	R.P.M. @100' Per Min.	R.P.M. @125' Per Min.	R.P.M. @150' Per Min.	R.P.M. @175' Per Min.
6"	1,080	1,350	1,620	1,890	72	90	108	126
9"	2,015	2,520	3,020	3,525	61	76	92	106
12"	3,250	4,060	4,875	5,685	45	56	68	79
14"	4,625	5,780	6,935	8,095	38	47	57	66
16"	6,165	7,705	9,250	10,790	35	44	53	61
18"	8,175	10,220	12,260	14,305	30	38	46	53
20"	10,225	12,780	15,335	17,890	27	34	41	47
24"	14,725	18,405	22,080	25,765	23	29	35	41

**Capacities and Horsepower figures shown are maximums based on horizontal conveying of a dry, free flowing small grain weighing 48lb./cu. being conveyed horizontally under favorable conditions with a uniform and continuous in-feed. Capacity and horsepower will vary with other materials. Consult our offices for data on other materials and for inclined or reversible units. To convert to bushels, multiply cu. ft. x 0.8. Screw Conveyor Corp reserves the right to make changes in design or specifications without notice.

SUPER-FLO® CONVEYOR HORSEPOWER**

Size	Horsepower Per Ft. of Length @				Combination Chain		Solid Steel Chain		Flight Centers
	100' Per Min.	125' Per Min.	150' Per Min.	175' Per Min.	Max H.P. @ 100'/Min.	Max. H.P. @ 175'/Min.	Max H.P. @ 100'/Min.	Max H.P. @ 175'/Min.	in.
6"	.014	.017	.020	.024	8.52	14.9	–	–	6.4
9"	.026	.033	.040	.046	8.52	14.9	–	–	9.6
12"	.040	.050	.060	.070	13.2	23.2	18.9	33.1	15.6
14"	.055	.069	.083	.096	13.2	23.2	18.9	33.1	15.6
16"	.069	.086	.103	.120	13.2	23.2	18.9	33.1	15.6
18"	.086	.106	.128	.150	13.2	23.2	18.9	33.1	15.6
20"	.112	.140	.169	.196	22.7	39.8	30.3	53	24.0
24"	.148	.185	.222	.259	22.7	39.8	30.3	53	24.0

**Capacities and Horsepower figures shown are maximums based on horizontal conveying of a dry, free flowing small grain weighing 48lb./cu. being conveyed horizontally under favorable conditions with a uniform and continuous in-feed. Capacity and horsepower will vary with other materials. Consult our offices for data on other materials and for inclined or reversible units. To convert to bushels, multiply cu. ft. x 0.8. Screw Conveyor Corp reserves the right to make changes in design or specifications without notice.

Drag Conveyor Safety Practices

Most accidents involving property damage or personal injury are the result of someone's carelessness or negligence. In order to avoid such accidents, one of the many things that must be done is to make machinery that eliminates in so far as possible an unsafe or hazardous condition. Drag conveyors must be installed, maintained and operated with the following minimum provisions:

1. Drag conveyors shall not be operated unless the conveyor housing completely encloses the moving elements and all power transmission guards are in place. The following warning signs (see CEMA Safety Label Sheet SC-1) are attached to all conveyor housings in locations as specified. Signs should not be removed from housings or be painted over! Replacements can be ordered from the Conveyor Equipment Manufacturer's Association (CEMA).

2. Do not overload the conveyor or use it for anything but its intended use.

3. Feed openings for shovel or other manual or mechanical equipment shall be constructed in such a way that the conveyor rotating and moving parts are enclosed and restricts access to conveyor.

4. Always lock-out power before doing maintenance.

SCC does not perform electrical design services and therefore does not supply electrical devices unless specifically instructed to do so by the purchaser.

SCC will try to assist, to the best of our ability, in the selection of the devices or equipment that will aid the owner and installer in preparing a safe installation and a safe working place. Zero speed switches and other electrical devices can sense conveyor operation so that operations can be interrupted and/or alarms can be actuated.

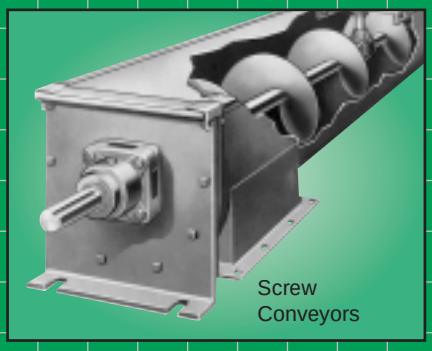
There are many kinds of electrical interlocking devices for conveyors, elevators and conveyor systems such that if one conveyor in a system or process is stopped, other equipment feeding it or following it can also be automatically stopped and thus prevent overloading at transfer points. For the safety of those that will come into the area where this equipment will be operating we recommend that you contact an electrical designer and/or supplier. Provide them with information on your operating conditions so they can best recommend and supply the appropriate devices.

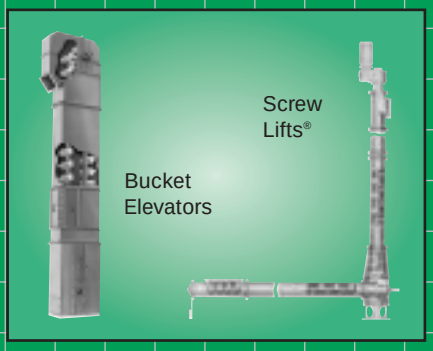
A copy of Screw Conveyor Safety and Service Instructions are shipped as part of every order.

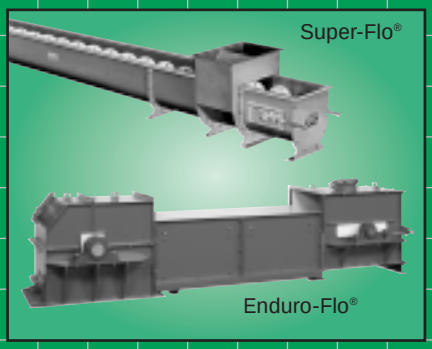
THE EXPERIENCE TO HANDLE IT RIGHT!®

Screw Conveyor Corporation®

EXPERIENCE IN MOTION







For Over 70 Years We Have Been A Dependable Source For Performance Proven Industrial Bulk Material Handling Equipment. Put Our Experience to Work for You.

THE EXPERIENCE TO HANDLE IT RIGHT!®

Screw Conveyor Corporation®

700 HOFFMAN STREET, HAMMOND, INDIANA 46327-1894 PHONE 219-931-1450 FAX: 800-805-6527 WEB ADDRESS: www.screwconveyor.com

Winona, MS 662-283-3142 FAX: 800-213-3084

Visalia, CA 559-651-2131 FAX: 800-651-2135

Chanute, KS 620-431-0440 FAX: 800-213-3086

Guadalajara, Jal. Mexico (33) 3645-9608 FAX: (33) 3663-2369