CATALOG 1021

DRAG CONVEYORS

FOR INDUSTRIAL AND AGRICULTURAL ENVIRONMENTS

THE EXPERIENCE TO HANDLE IT RIGHT!®

Screw Conveyor Corporation®

Since 1932

Drag Conveyors

Drag Conveyors consist of evenly spaced rounded or rectangular flights mounted on a continuous chain that travels around a drive and a tail sprocket. The chain and flights are housed in a trough assembly that consists of a material conveying section and a return section. Drag conveyors typically operate with material being "control-fed" into the trough area, but can be designed to convey materials in applications where the material is "choke-fed" (i.e. coming out of a hopper or a process where the material feed rate is not metered).

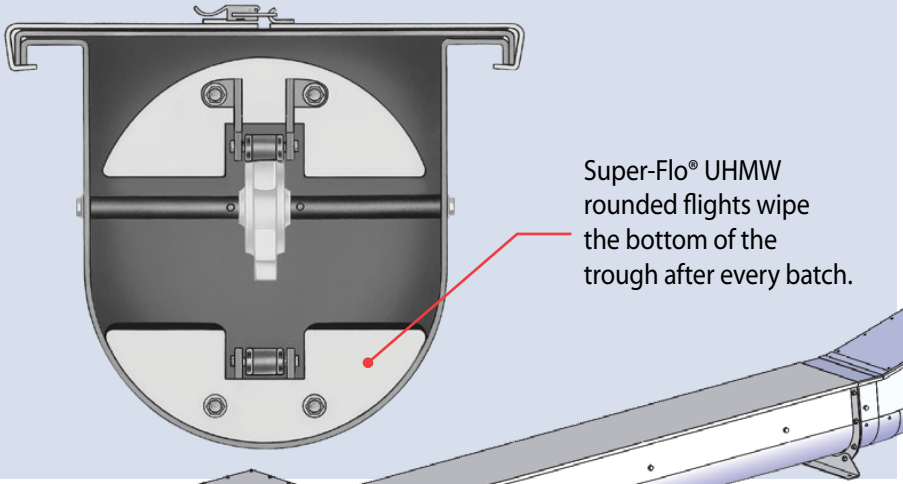
Conveying Action

Bulk materials are pulled gently and smoothly through drag conveyors. Material rides on itself "en masse" (in one solid mass) with no internal turbulence, tumbling or agitation. This makes drag conveyors ideally suited for a variety of materials, particularly delicate ones. Particle degradation and separation are drastically reduced.

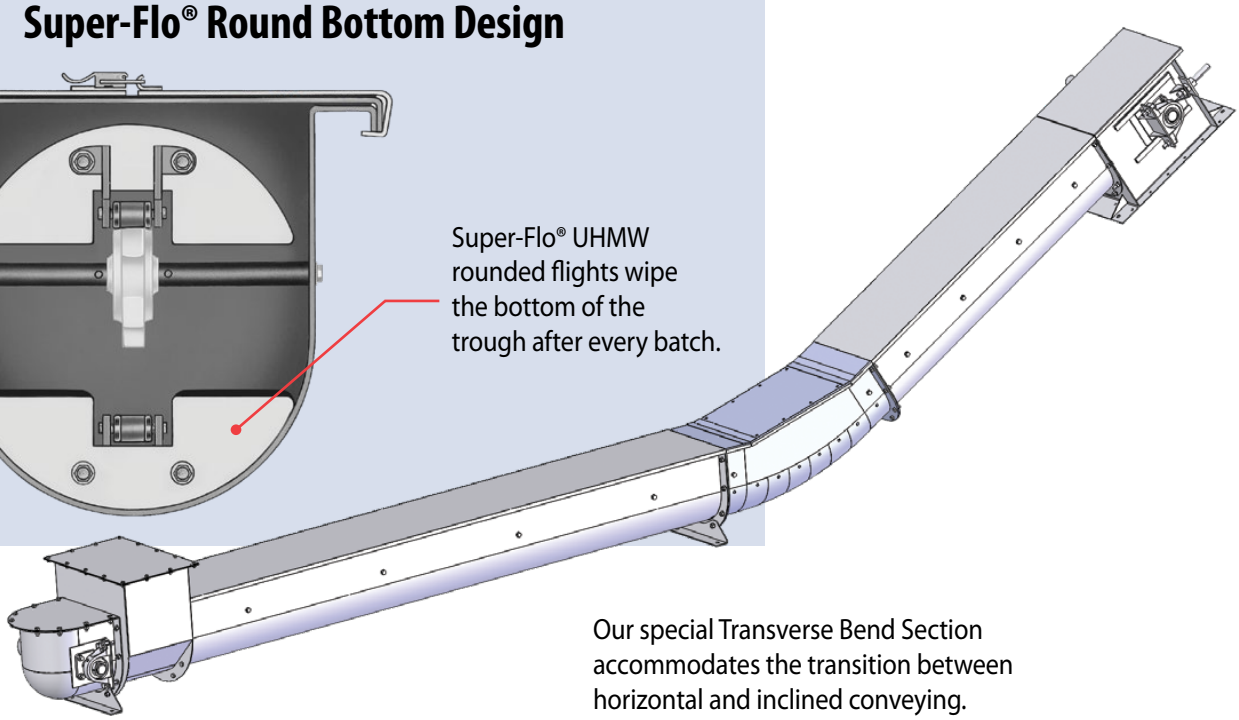
What application and environmental conditions call for the use of a Drag Conveyor?

- When conveying capacities for a screw conveyor reach their peak (plus 18,000 cu ft/hour)
- When gentle handling of the material is required (material is pulled along, not tumbled or agitated)
- When trough cleanout is required, round bottom drags are used
- When conveying lengths go beyond 100 feet, drag conveyors are typically more economical and can reach lengths in excess of 200 feet
- When the material travel path is not on a straight line over the length of the conveyor (drag conveyors can start-off conveying horizontally, then transition up an incline, all in one unit)
- Drag conveyors can accommodate and convey larger particle sizes versus the space limitations found between screw conveyor flights
- Drag conveyors offer dust containment and the ability to keep the conveyed product free from atmospheric contamination
- Drag conveyors offer multiple inlet and discharge points if required
- Drag conveyors can be manufactured from mild, abrasion resistant or stainless steel construction and can operate in low and high temperature applications

Super-Flo® Round Bottom Design



Super-Flo® UHMW rounded flights wipe the bottom of the trough after every batch.



Our special Transverse Bend Section accommodates the transition between horizontal and inclined conveying.

Screw Conveyor Corporation's Drag Conveyor Designs

Super-Flo® Round Bottom Design:

- Originated and patented by Screw Conveyor Corporation over 50 years ago
- Available in 6", 9", 12", 14", 16", 18", 20" and 24" widths
- Cost effective method of handling materials whose composition if damaged would reduce product value
- Materials are handled as a whole without tumbling, keeping agitation and friction to a minimum
- Units are virtually self-cleaning, as the rounded flights wipe the trough bottom after every batch
- Completely enclosed – Keeps dust to a minimum while keeping materials protected from atmospheric conditions
- Low initial cost and low power requirements

Super-Flo® XL Flat Bottom Design:

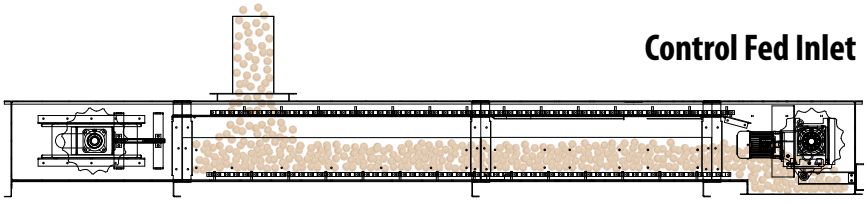
- Large flat-bottom material conveying section offers greater output capacity while maintaining a low-profile drag conveyor design
- Same features and benefits as the Super-Flo only the Flat Bottom design is not self-cleaning

Enduro-Flo® Flat Bottom High Capacity, Heavy-Duty Design:

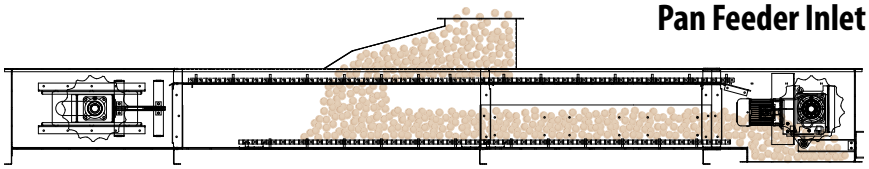
- Stronger/rugged box beam construction that spans longer lengths without support
- Removable bottom panels allow for the use of a variety of bottom surface liner materials
- Split head and tail casings make maintenance simple for easy shaft and sprocket removal

Drag Conveyor Model	Size Range	Capacity Range (cu ft/hr)	Recommended Chain Speed (ft/min)*
Super-Flo	6" to 24"	1,080 to 25,760	125
Super-Flo XL	12" to 30"	12,620 to 77,730	150
Enduro-Flo	24" and 30"	5,060 to 84,520	125

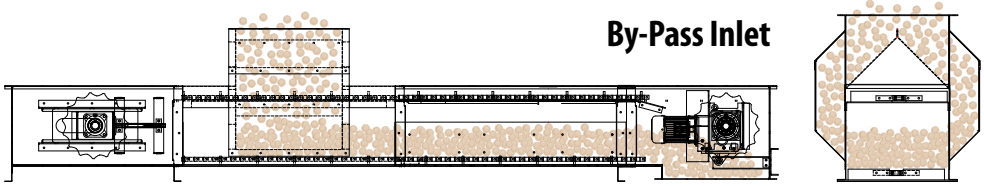
*Chain Speed is selected based on the material characteristics of the material handled. Higher speeds are obtainable and will be used for low-density, low-coefficient of friction materials.



Control Fed Inlet



Pan Feeder Inlet



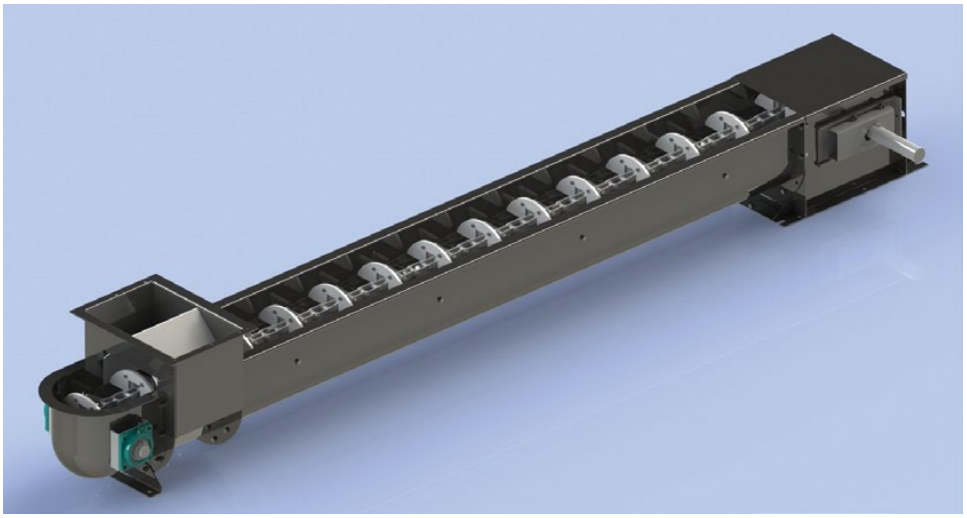
By-Pass Inlet

Super-Flo® Drag Conveyors Offer Gentle Material Handling

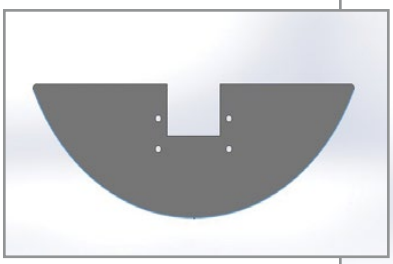
The Super-Flo® Round-Bottom Drag Conveyor was originated and patented by Screw Conveyor Corporation over 50 years ago. The curved trough design continues to separate it from competitive designs. The double-flanged, one piece trough is deeper than a conventional screw conveyor trough, providing greater conveying capacity.

Super-Flo drag conveyors deliver bulk materials gently through a smooth, positive pulling method versus the tumbling and tossing action found in a screw conveyor. Rounded UHMW flights provide a self-cleaning feature as the flights wipe the trough bottom after every batch. Also, when the trough cover is supplied with quick release Barron clamps, access for inspection and maintenance is simple and easy.

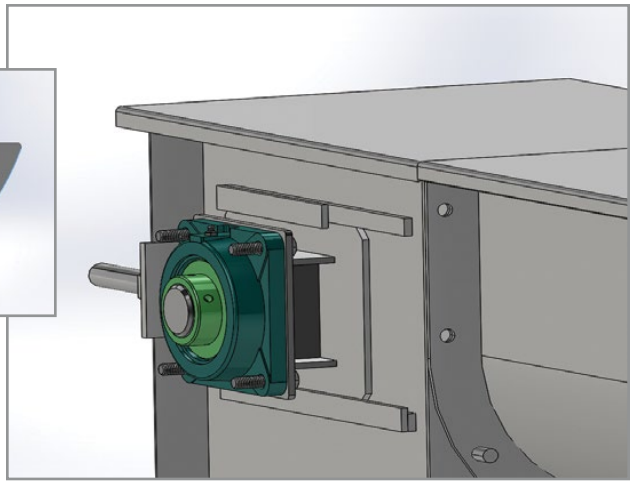
Super-Flo conveyor construction is available in a variety of specialty materials manufactured to meet the needs of specific applications. The modular design is typically constructed from mild steel, but can be made from stainless steel or fitted with UHMW trough liners.



Horizontal Super-Flo Round Bottom Drag Conveyor complete with By-Pass Inlet.
Note: All Drag Conveyors must be enclosed with covers prior to operating.



UHMW Rounded Flights



Flanged Bearing Separation from side of trough is NFPA Compliant (National Fire Protection Association).

Super-Flo® Drag Conveyors Features and Benefits

Gentle Handling of Material

The Super-Flo® is ideally suited to convey dry, free-flowing material having a density of 50 pounds/cubic foot or less. Materials are conveyed as a whole without tumbling, thereby keeping particle agitation and friction to a minimum. Particle degradation and separation are minimized. Sensitive materials such as pigments, edible beans, malt, seed grains, tea and coffee are ideal for Super-Flo conveyors. Heavier, lumpy and/or wet material is better handled in the flat-bottom, Super-Flo® XL or Enduro-Flo® designs.

Self-Cleaning

Round-Bottom Super-Flo conveyors are virtually self-cleaning, as the rounded flights wipe the trough bottom after every batch.

Completely Enclosed

The U-Trough and cover combination keeps dust to a minimum. The addition of battens and bolted covers with gasketed trough flanges provides 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 together with low power requirements produces a more economical conveying system now and in the future.

Size Ranges

Super-Flo® conveyors come in conveyor width sizes of 6", 9", 12" 14", 16", 18", 20" and 24". Capacities range from 1,080 to 25,760 cubic feet/hour or 860 to 20,700 bushels/hour.

Special Inlet/Feed Sections

By-pass Inlets or Pan Feeder Sections are available when material feeding into the Super-Flo® is not regulated.

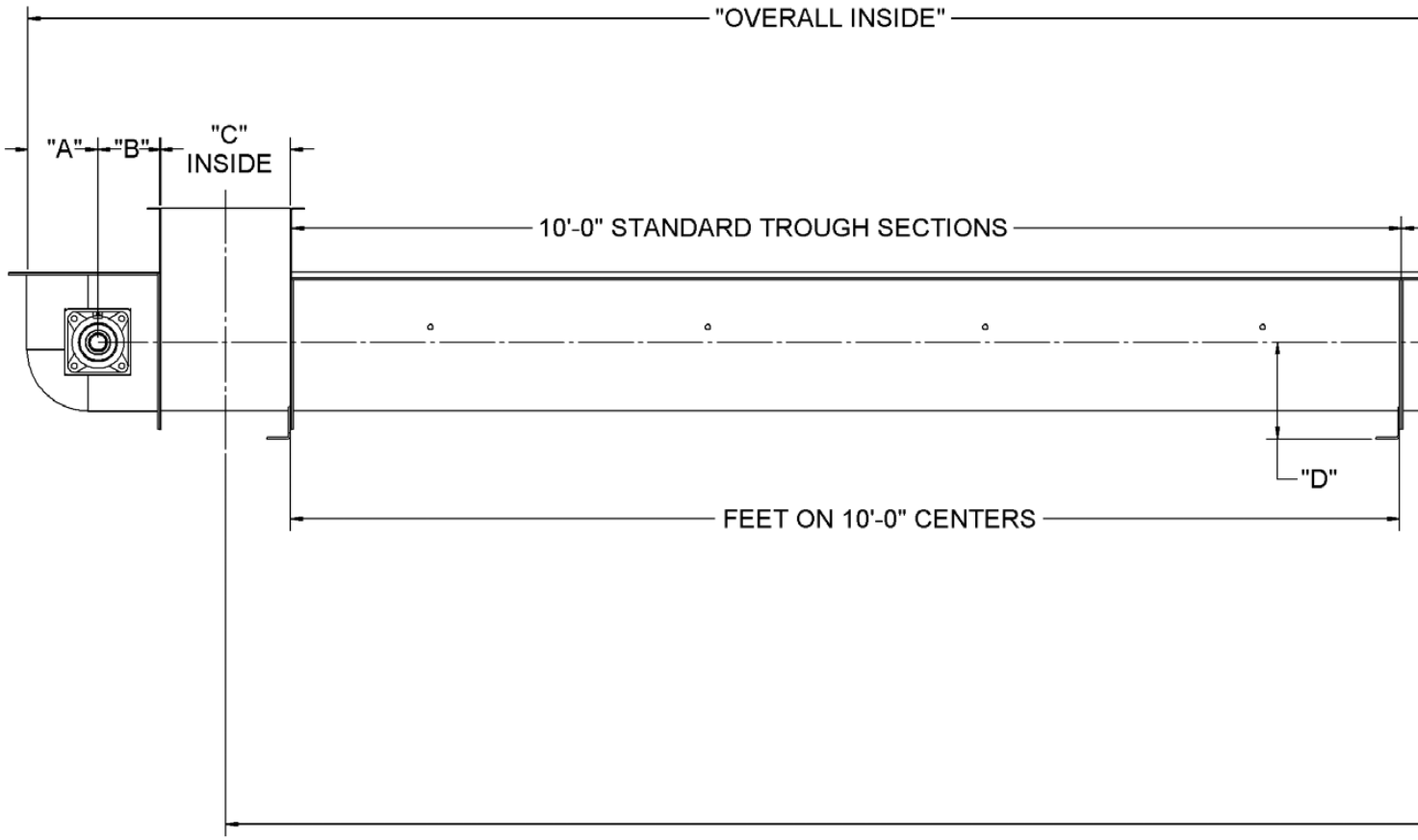
Intermediate Discharges

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

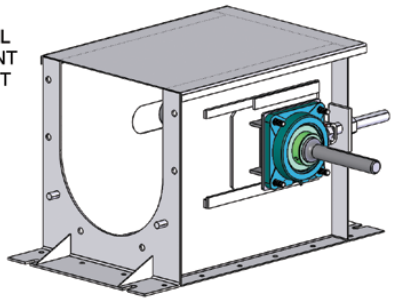
25 degree inclined Super-Flo Round-Bottom Drag Conveyor complete with By-Pass Inlet.

Inclined Super-Flo Drag Conveyor discharging materials into a hopper/pan-feeder inlet on a Super-Flo XL Flat Bottom Drag Conveyor.

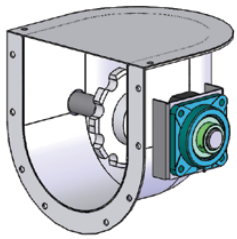
Super-Flo® Dimensions and Features



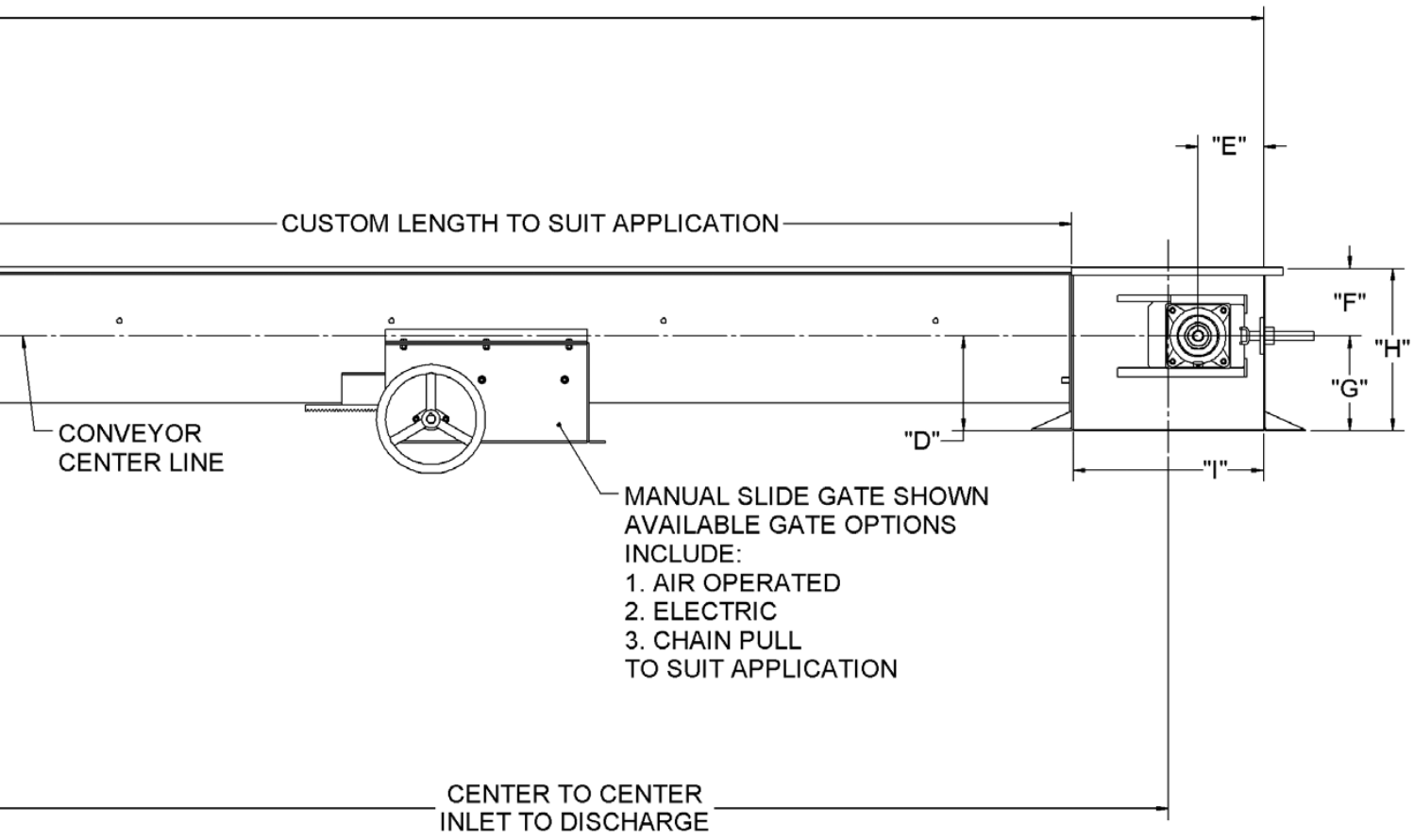
DRIVE TERMINAL
NFPA COMPLIANT
BEARING MOUNT

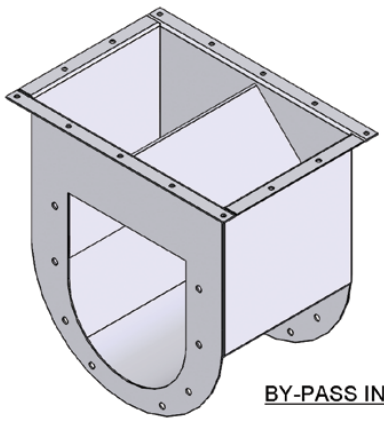


TAIL TERMINAL
NFPA COMPLIANT
BEARING MOUNT



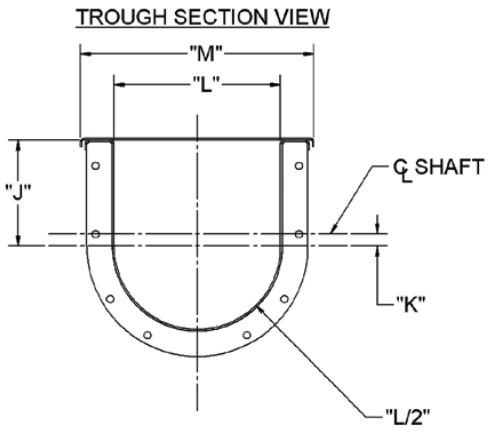
Dim. in Inches	Super-Flo® Sizes							
	6″	9″	12″	14″	16″	18″	20″	24″
A	5	6	7-9/16	8-13/16	10	11-1/4	12-7/16	14-5/16
B	3	5-1/8	6-11/16	7-15/16	9-1/8	10-3/8	11-9/16	14-1/16
C	10	12	14	16	16	18	18	20
D	8	9-1/2	11	10-13/16	11-3/16	12-13/16	13-7/8	15-7/8
E	5-1/2	6-1/2	7-1/4	8-1/2	9-3/4	11	12-1/4	14-3/4
F	5-3/4	6-5/8	8-1/4	9-3/4	11-1/8	12-5/8	14	17
G	5-5/8	7-7/8	9-5/8	10-7/8	12	13-3/8	15	18-1/8
H	11-3/8	14-1/2	17-7/8	20-5/8	23-1/8	26	29	35-1/8
I	15	18	21	24	26	28	30	30
J	5-3/4	6-5/8	8-1/4	9-3/4	11-1/8	12-5/8	14	17
K	1-3/16	3/4	13/16	1-1/16	1-1/4	1-1/2	1-11/16	2-3/16
L	7	10	13	15	17	19	21	25
M	12	15-3/4	19-1/2	21-1/2	23-1/2	26-1/2	28-1/2	32-1/2



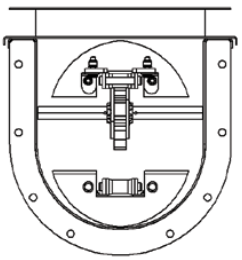


BY-PASS INLET

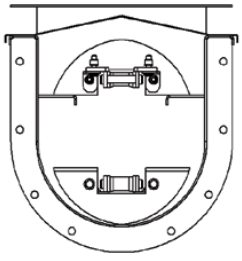
TROUGH SECTION VIEW



FLAT COVERS WITH
RETURN SPROCKETS



HIP ROOF COVERS
WITH RETURN RAILS



Super-Flo® Conveyor Material 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″	2,010	2,520	3,020	3,520	61	76	92	106
12″	3,250	4,060	4,870	5,680	45	56	68	79
14″	4,620	5,780	6,930	8.090	38	47	57	66
16″	6,160	7,700	9,250	10,790	35	44	53	61
18″	8,170	10,220	12,260	14,300	30	38	46	53
20″	10,220	12,780	15,330	17,890	27	34	41	47
24″	14,720	18,400	22,080	25,760	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 In.
	100′ Per Min.	125′ Per Min.	150′ Per Min.	175′ Per Min.	Max. HP @100′ Min.	Max. HP @175′ Min.	Max. HP @100′ Min.	Max. HP @175′ Min.	
6″	.014	.017	.020	.024	8.52	14.9	-	-	9.6
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.

Super-Flo® Conveyor Weights

Size	Drive Terminal with Take Up		Contour Terminal		Divided Flow Inlet		10′ Trough Complete Lbs.	Trough Gauge	Cover Gauge
	Wt. Lbs.	Gauge	Wt. Lbs.	Gauge	Wt. Lbs.	Gauge			
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® XL Drag Conveyors Features and Benefits

Conveying Action

The Super-Flo® XL Drag Conveyor conveys material "en masse" (in one solid mass) with no internal turbulence, agitation or tumbling of the product. Bulk materials flow smoothly and gently, making the Super-Flo® XL ideal for handling a diverse range of materials.

Flat-Bottom Design

The Super-Flo® XL's flat bottom trough offers greater conveying capacity and due to the low-profile flight design, less room is required to return the flights. This allows the Super-Flo® XL to handle a deeper load of product, resulting in extremely large capacities conveyed in a smaller space. This more compact design enables engineers to reduce tunnel size requirements as well as minimize congestion where several conveyors discharge in the same location. The Super-Flo XL is available in widths of 12, 18, 24 and 30 inches.

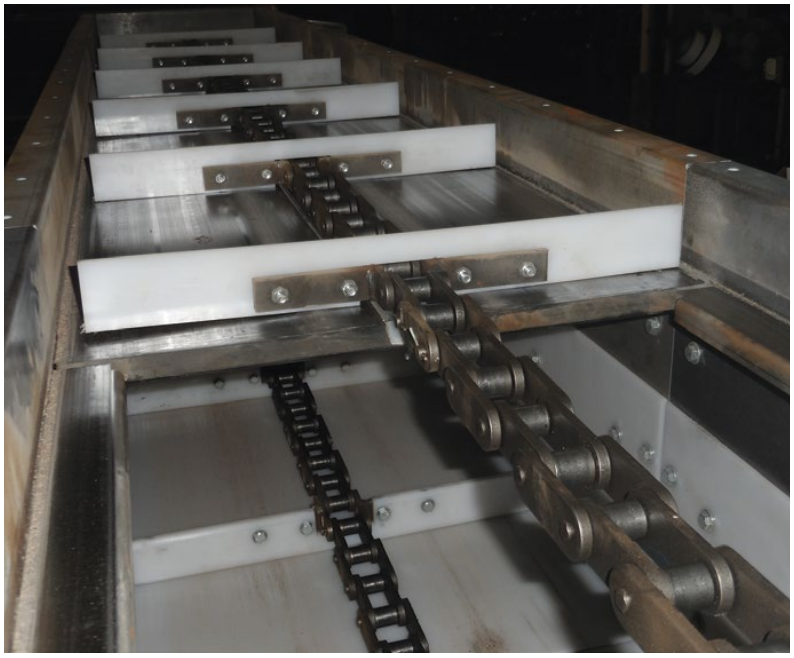
Reduced Friction, Lower Horsepower, Higher Speeds

The Super-Flo® XL is manufactured from mild steel and comes equipped with UHMW bottom and side liners. UHMW liners enable this design to be run at higher speeds while reducing the frictional force of the material as it is conveyed.
By providing the UHMW liners and flights as standard, the resulting low-friction factor reduces the amount of horsepower needed to convey the material and often reduces the size of the chain, shafts and bearings. This results in lower initial cost as well as longer component life.

Completely Enclosed

The internal components (i.e. the sprockets, chain and flights) are housed in a totally enclosed casing which keeps dusting to an absolute minimum. For outside weather-tight protection, optional hip-roof bolted covers with gaskets are available to prevent moisture and material from settling on and entering the trough.

UHMW side and bottom trough liners come standard on the Super-Flo® XL, permitting higher material travel speeds while reducing frictional force.

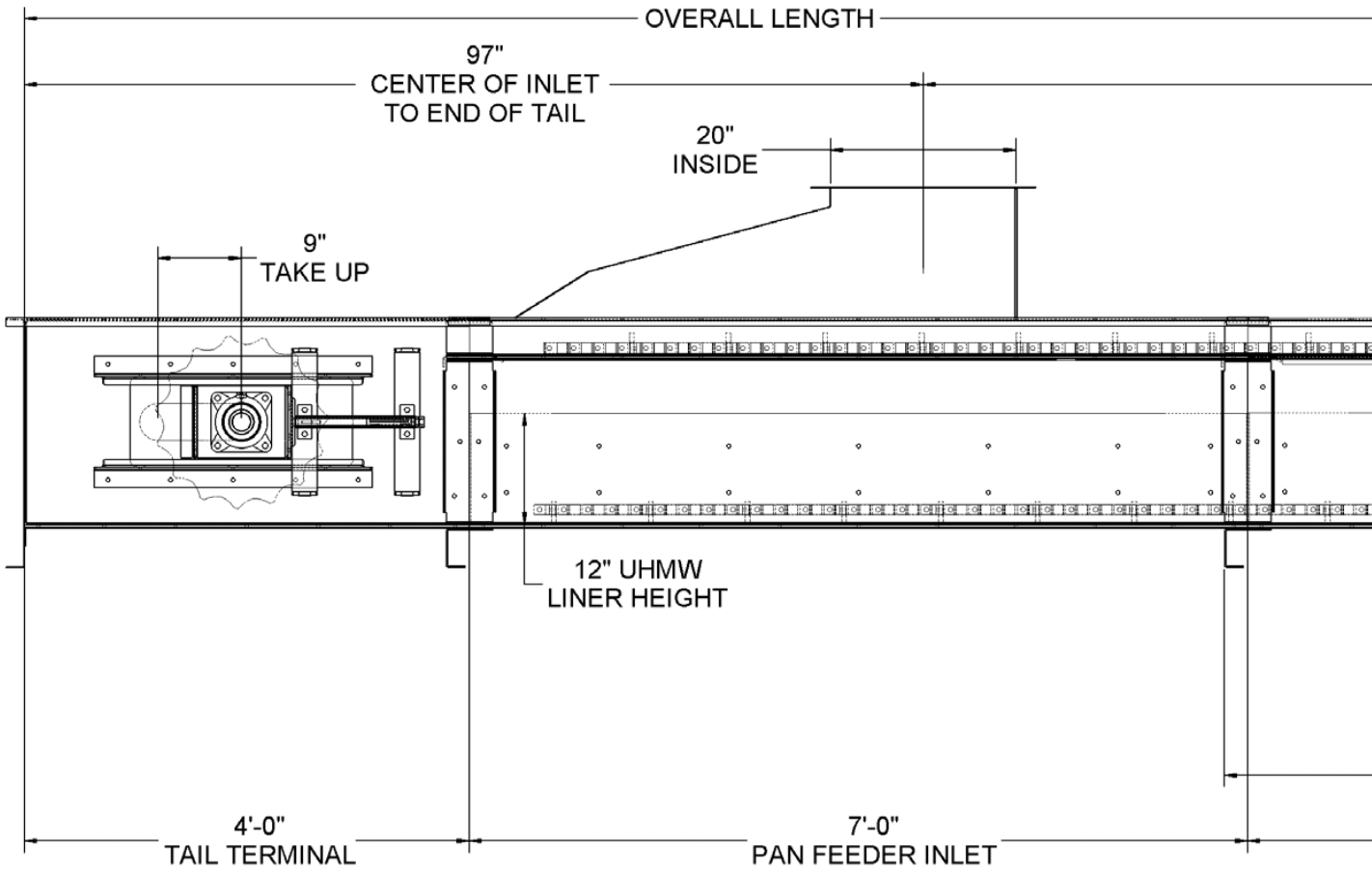


Super-Flo® XL Flat Bottom Design

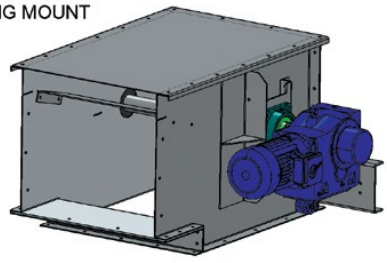
Return flights moving toward the viewer pulls material (that would be stored in a hopper) across the feeder pan, dropping the material through the opening to the bottom section of the Super-Flo® XL where material is conveyed to the conveyor discharge.

Note: All Drag Conveyors must be enclosed with covers prior to operating.

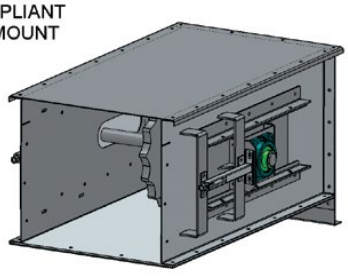
Super-Flo® XL Dimensions and Features



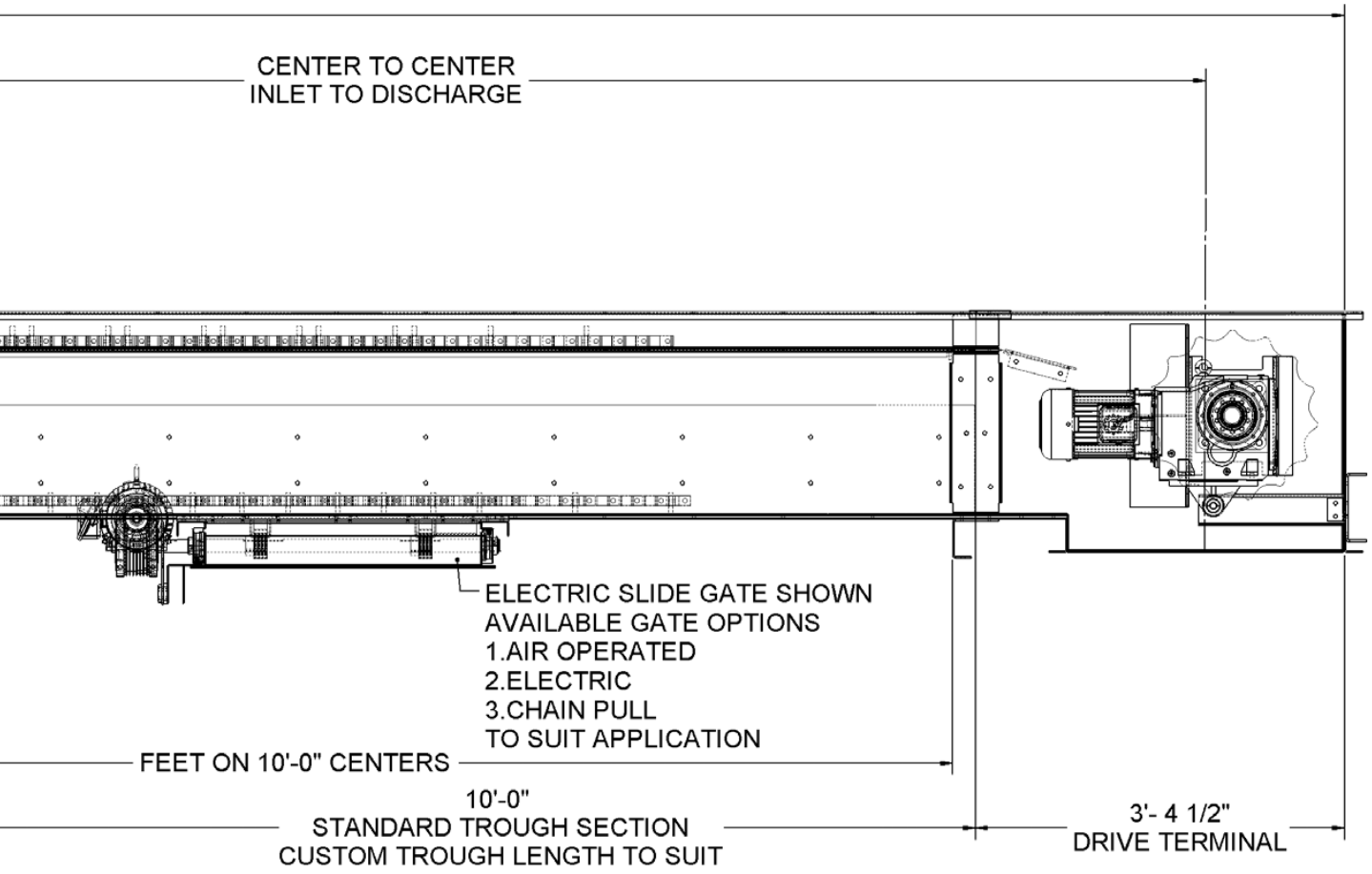
DRIVE TERMINAL
NFPA COMPLIANT
BEARING MOUNT

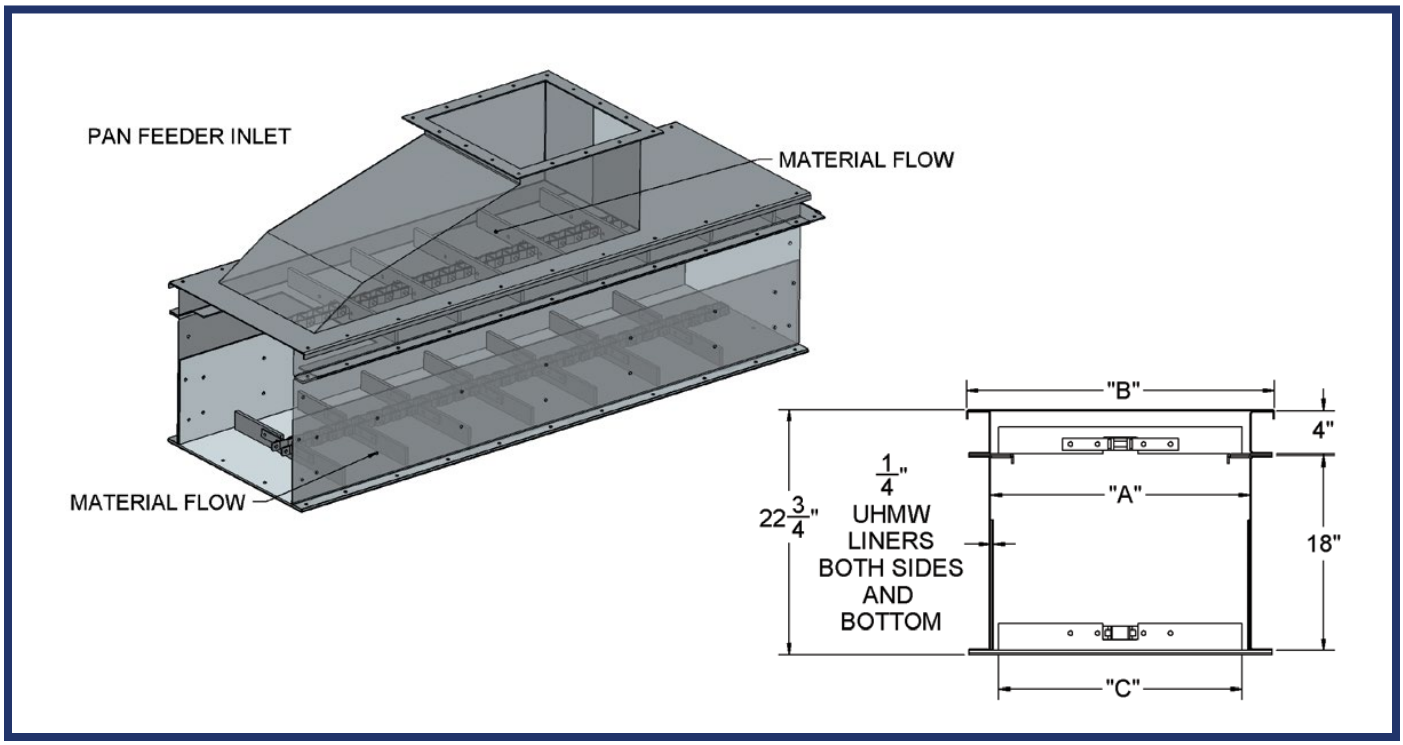


TAIL TERMINAL
NFPA COMPLIANT
BEARING MOUNT



Dim. in Inches	Super-Flo® XL Sizes			
	12″ x 22″	18″ x 22″	24″ x 22″	30″ x 22″
A	12	18	24	30
B	16-7/16	22-7/16	28-7/16	34-7/16
C	10-1/2	16-1/2	22-1/2	28-1/2


CENTER TO CENTER
INLET TO DISCHARGE
ELECTRIC SLIDE GATE SHOWN
AVAILABLE GATE OPTIONS
1.AIR OPERATED
2.ELECTRIC
3.CHAIN PULL
TO SUIT APPLICATION
FEET ON 10'-0" CENTERS
10'-0"
STANDARD TROUGH SECTION
CUSTOM TROUGH LENGTH TO SUIT
3'- 4 1/2"
DRIVE TERMINAL


PAN FEEDER INLET
MATERIAL FLOW
MATERIAL FLOW
"B"
4"
"A"
18"
"C"
1/4"
22 3/4"
UHMW
LINERS
BOTH SIDES
AND
BOTTOM

Super-Flo® XL Conveyor Material Capacities

MODELS 22 (with liners)

- Capacity chart for horizontal Super-Flo® XL up to 9 degree inclination (Flight attachment every 8th link)
- Charted capacities also apply to 9 to 15 degree inclination Super-Flo XLs using double flights (Flight attachment every 4th link)
- Material depth to achieve rated capacity is 16″

Conveyor Size Width x Depth	Capacity Measurements	Chain Speed in Feet/Minute									
		1	50	75	100	125	150	175*	200*	225*	250*
12 x 22	CFH	68.4	3,420	5,130	6,840	8,550	10,260	11,970	13,680	15,390	17,100
	BPH	54.7	2,730	4,100	5,470	6,840	8,200	9,570	10,940	12,310	13,680
18 x 22	CFH	106.3	5,310	7,970	10,630	13,280	15,940	18,600	21,260	23,910	26,570
	BPH	85	4,250	6,370	8,500	10,630	12,750	14,880	17,000	19,130	21,260
24 x 22	CFH	144.2	7,210	10,810	14,420	18,020	21,630	25,230	28,840	32,440	36,050
	BPH	115.3	5,760	8,650	11,530	14,420	17,300	20,180	23,070	25,950	28,840
30 x 22	CFH	182.1	9,100	13,650	18,210	22,760	27,310	31,860	36,420	40,970	45,520
	BPH	145.6	7,280	10,920	14,560	18,210	21,850	25,490	29,130	32,770	36,420

* Contact SCC's Application Engineers to verify capacities obtainable for your specific material.
UHMW side and bottom liners are standard components of the Super-Flo XL.
Capacity Measurements are in Cubic Feet/Hour and Bushels/Hour.

Super-Flo® XL Conveyor Weights

Size	Head Terminal		Tail Terminal		By-Pass Inlet		10′ Trough Complete Lbs.	Trough Gauge	Cover Gauge
	Wt. Lbs.	Gauge	Wt. Lbs.	Gauge	Wt. Lbs.	Gauge			
12 x 22	195	12	187	12	102	12	410	12	14
18 x 22	428	12	400	12	183	12	644	12	12
24 x 22	530	10	462	10	243	10	749	12	12
30 x 22	725	10	602	10	276	10	940	12	12

All shown weights are estimated weights and do not include the weight of the material being conveyed.
Standard Head Section furnished complete with shaft, bearings, sprockets, chain, flights and plain discharge flanges.
Does not include motor or drive.
Standard Tail Section furnished complete with shaft, bearings, sprockets, chain, and flights.
Intermediate Sections furnished complete with slide return chain rails, cover, chain and flights.

Enduro-Flo® Drag Conveyors Features and Benefits

Greater Strength

The Enduro-Flo® Drag Conveyor is a heavy-duty version of the Super-Flo® XL Flat Bottom design. The unit is built to provide the industrial user or commercial processor a rugged, high-capacity conveyor designed to perform in challenging environments. The modular construction of the Enduro-Flo® features a structural box beam design complete with 10 gauge steel side panels. This design allows the conveyor to span longer lengths without support which means more flexibility in overall system design and cost savings due to the need for fewer supports.

Easier Installation and Maintenance

The Enduro-Flo® design includes numerous time-saving features to assist maintenance personnel. Lifting lugs are provided on the head and tail sections to assist in installation. The unit is designed with split head and tail sections to permit easy removal of shafts and sprockets. The box beam construction contains a bolt-in bottom panel that is easily replaced by the removal of 8 bolts. This bottom panel can be made of numerous materials such as abrasion resistant steel or stainless steel to extend its life. Bolt-in, removable return-rails reduce product carry-over and increases the flight life by distributing frictional wear across greater flight area.

Designed for Diverse Applications

Special material handling applications that require the conveying of abrasive, corrosive, lumpy or high temperature materials match well with the Enduro-Flo® design. The standard mild steel Enduro-Flo®, complete with UHMW polyethylene flights securely fastened to an all-steel fully heat treated welded chain, can be changed to meet more severe conditions. The head, tail and intermediate conveyor sections as well as the chain, sprockets and flights can be manufactured from materials that match best with the environmental conditions (i.e. galvanized metal, abrasion resistant steel, stainless steel, etc.).

Two Standard Enduro-Flo® Configurations

The rectangular paddle/scraper configuration uses engineering class chain and is best suited for handling lumpy materials. The push/pull process of moving the material at the height of a tall paddle/scraper is effective but limits product conveying to approximately 50% of the cross-sectional area. Conversely, the square, Enduro-Flo En-masse design uses approximately 90% of the available area for product conveying, almost twice as efficient as the rectangular paddle/scraper design. The En-masse configuration uses drop forged chain and is suited to free-flowing powder and granular materials. It provides a versatile conveying method, typically low-speed, high-torque operation which results in longer life and lower cost of operation.

Standard and Compartmental Designs

The standard Enduro-Flo® uses return rails to support the chain and flights on the empty flight return. This standard design is typically used for applications that convey material horizontally or up to ten degrees inclination. For processes where material is conveyed on inclines greater than 10 degrees or when a curved incline or an "S" curve incline is required, the compartmental drag conveyor design is required. The Compartmental design utilizes a 10 gauge thick section dropped into the upper part of the conveyor trough, resulting in two equal-sized upper and lower conveyor compartments. The top compartment acts as a chain and flight return section. The bottom section is where the chain and flights convey the material to the conveyor discharge.

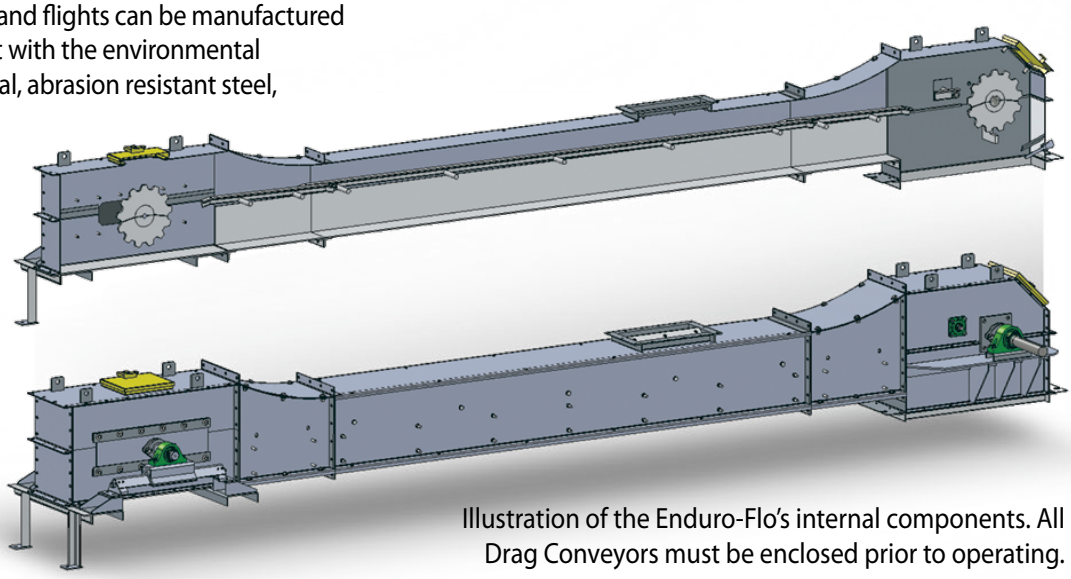
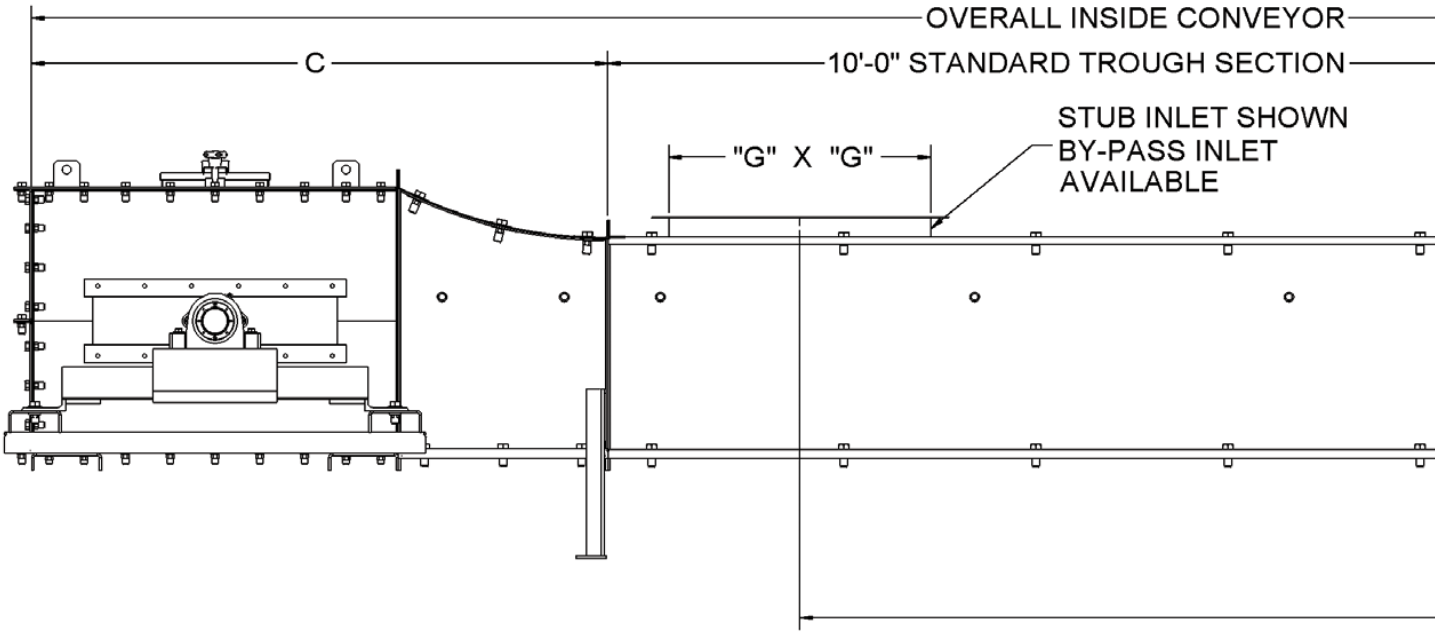
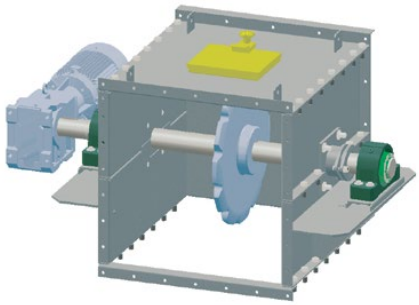


Illustration of the Enduro-Flo's internal components. All Drag Conveyors must be enclosed prior to operating.

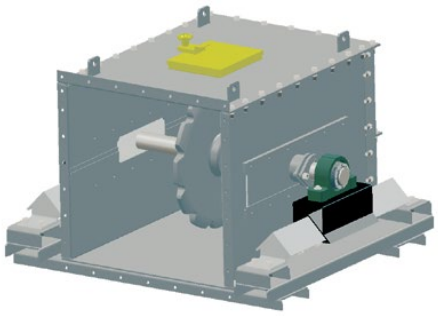
Enduro-Flo® Dimensions and Features



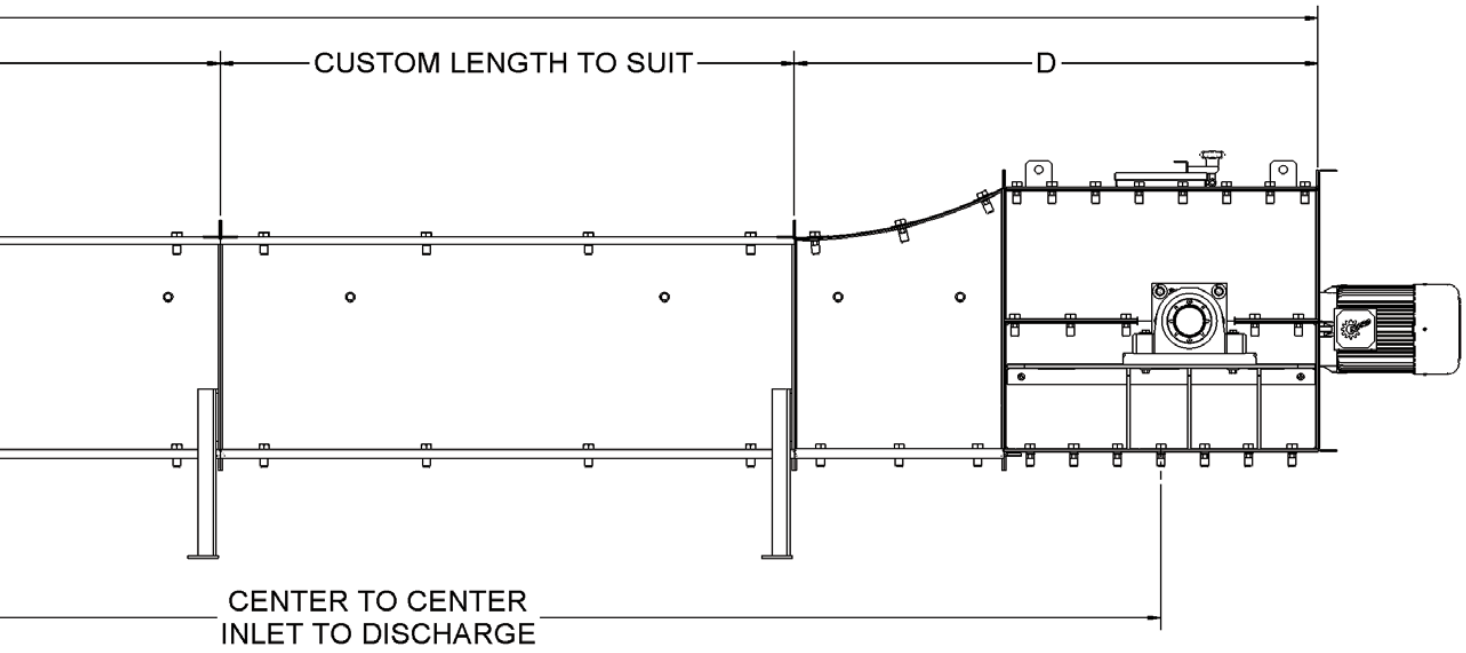
DRIVE TERMINAL
NFPA COMPLIANT
BEARING MOUNT

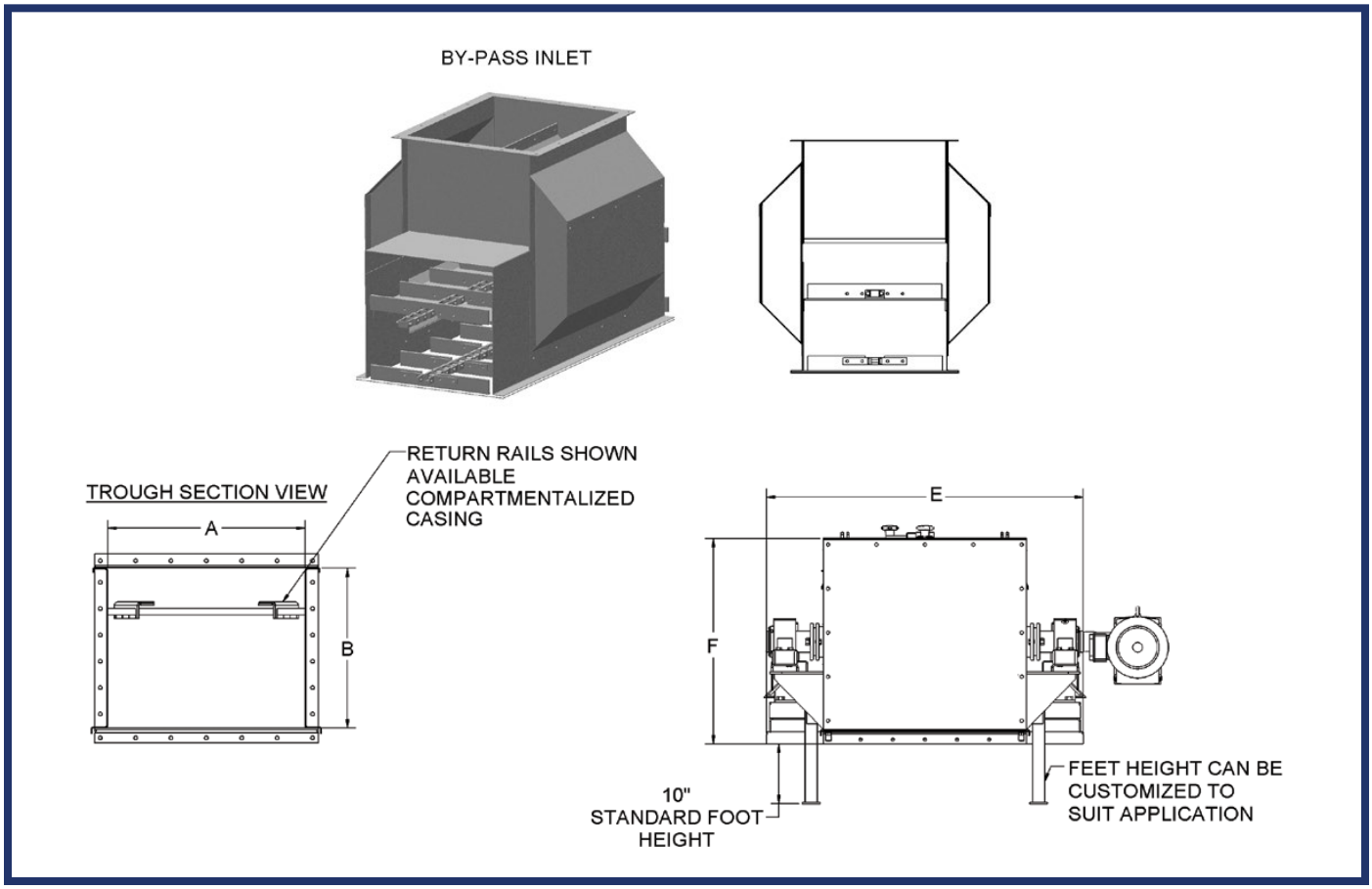


TAIL TERMINAL
NFPA COMPLIANT
BEARING MOUNT



Dim. in Inches	Enduro-Flo® Sizes			
	24″ x 24″	30″ x 24″	24″ x 30″	30″ x 30″
A	24	30	24	30
B	24	24	30	30
C	66	66	72	72
D	60	60	66	66
E	47	53	47	53
F	34-1/2	34-1/2	40-1/2	40-1/2
G	20	26	20	26


CUSTOM LENGTH TO SUIT
D
CENTER TO CENTER
INLET TO DISCHARGE


BY-PASS INLET
TROUGH SECTION VIEW
A
B
RETURN RAILS SHOWN
AVAILABLE
COMPARTMENTALIZED
CASING
E
F
10"
STANDARD FOOT
HEIGHT
FEET HEIGHT CAN BE
CUSTOMIZED TO
SUIT APPLICATION

Enduro-Flo® Conveyor Material Capacities

- Capacity chart for horizontal Enduro-Flo® up to 10 degree inclination (Flight attachment every 8th link)
- Charted capacities also apply to 9 to 15 degree inclination Enduro-Flos using double flights (Flight attachment every 4th link)
- Material depth to achieve rated capacity is 16" on 24" tall units and 20" depth on 30" tall units

Conveyor Size Width x Depth	Capacity Measurements	Chain Speed in Feet/Minute									
		1	50	75	100	125	150	175*	200*	225*	250*
24 x 24	CFH	160	8,000	12,000	16,000	20,000	24,000	28,000	32,000	36,000	40,000
	BPH	128	6,400	9,600	12,800	16,000	19,200	22,400	25,600	28,800	32,000
30 x 24	CFH	200	10,000	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000
	BPH	160	8,000	12,000	16,000	20,000	24,000	28,000	32,000	36,000	40,000
24 x 30	CFH	200	10,000	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000
	BPH	160	8,000	12,000	16,000	20,000	24,000	28,000	32,000	36,000	40,000
30 x 30	CFH	250	12,500	18,750	25,000	31,250	37,500	43,750	50,000	56,250	62,500
	BPH	200	10,000	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000

* Contact SCC's Application Engineers to verify capacities obtainable for your specific material.
UHMW side and bottom liners are to be used with chain speeds above 150 FPM.
Capacity Measurements are in Cubic Feet/Hour and Bushels/Hour.

Enduro-Flo® Conveyor Weights

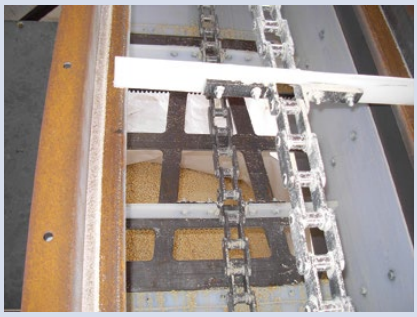
Size	Head Terminal		Tail Terminal		By-Pass Inlet		10' Trough Complete Lbs.	Trough Plate Thk.	Cover Gauge
	Wt. Lbs.	Plate Thk.	Wt. Lbs.	Plate Thk.	Wt. Lbs.	Gauge			
24 x 24	1076	0.25	1035	0.25	306	0.25	1497	0.25	10
30 x 24	1370	0.25	1094	0.25	549	0.25	1558	0.25	10
24 x 30	1264	0.25	916	0.25	729	0.25	1424	0.25	10
30 x 30	1572	0.25	1216	0.25	828	0.25	2068	0.25	10
30 x 36	1994	0.25	1588	0.25	1035	0.25	2578	0.25	10

All shown weights are estimated weights and do not include the weight of the material being conveyed.
Standard Head Section furnished complete with shaft, bearings, sprockets, chain, flights and plain discharge flanges.
Does not include motor or drive.
Standard Tail Section furnished complete with shaft, bearings, sprockets, chain, and flights.
Intermediate Sections furnished complete with slide return chain rails, cover, chain and flights.

Additional Capabilities & Value from Screw Conveyor

The information in this catalog provides a good overview on the types of Drag Conveyors offered and designed by our Application and Engineering Teams. Our capabilities extend beyond the conveyor to such things as applying and manufacturing automated gates to effectively and efficiently discharge material from the drag conveyor. We also offer variable frequency controls for applications where precise speed adjustments are necessary.

To provide each customer with a value-added solution, it is extremely important for us to receive all of the application data requested on the Data Sheet found on page 19 of this catalog as well as on our website. We work closely with Manufacturer's Representatives to address customer needs throughout both Agricultural and Industrial environments. **Please visit our website to identify your Field Sales Representative as well as your Inside Application Specialist.**

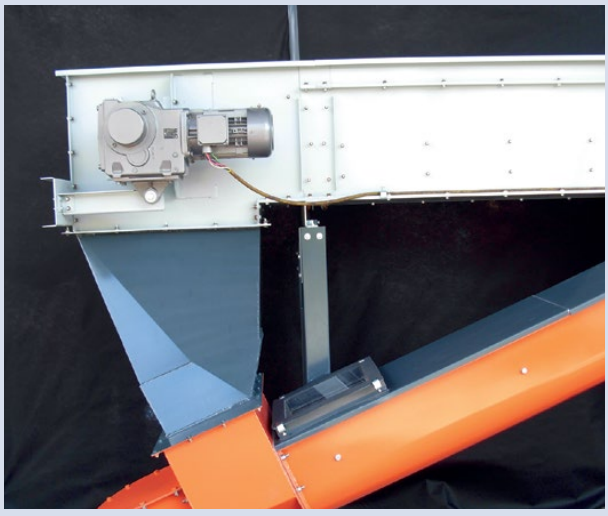


Opened Automated Gate.

Automated Gate Closed.

Underside of Automated Gate.

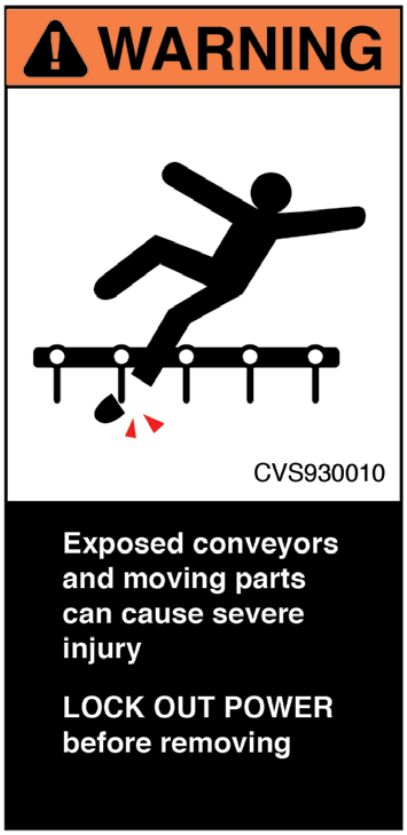
Ability to receive product from a hopper and control the volume entering the drag conveyor.



Small system capabilities.

Note: All Drag Conveyors must be enclosed with covers prior to operating.

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.

Drag Conveyor Data Sheet

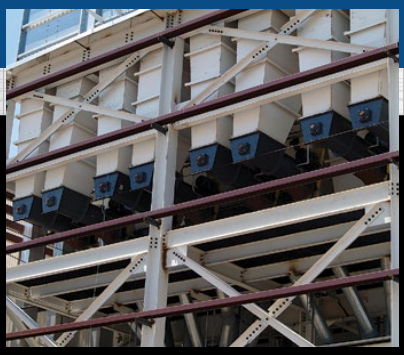
Company:	Contact Name:
Address:	E-mail:
	Phone Number:

Drag Conveyor Layout	
Is material control-fed to the inlet of drag? Yes / No	
Conveyor is fed by:	
Is conveyor choke-fed by material in hopper? Yes / No	
Overall length of the drag conveyor:	
Is drag conveyor horizontal? Yes / No	
Multiple inlets and/or discharges? Yes / No	
Material Handled, Bulk Density & Capacity	
Material Name:	
Bulk Density:	
Capacity Conveyed:	
Other Material Characteristics	
Moisture Content:	
Temperature of Material:	
Maximum Lump Size:	
Percentage of Lumps:	
Abrasive? Yes / No	Corrosive? Yes / No
Hours of Operation:	Environmental Temperature:
Other Information	
Drive Package Required? Yes / No	Electric Power at Site? Yes / No
Gear Box Preference:	
Motor Preference:	
Identify any Special Requirements (i.e. Explosion Proof, Water Tight, ect.):	
Special Construction	
Stainless Steel (Type 304, Type 316, ect.):	
AR-400 Abrasion Resistance Steel:	
Liners:	

Performance proven industrial bulk material handling equipment for almost a century.

Technology, reliability and craftsmanship are the keys to almost 100 years of continued growth. Today, we're one of the nation's oldest manufacturers of bulk material handling equipment-including screw conveyors, drag conveyors, vertical lifts and bucket elevators. At Screw Conveyor Corporation we stand behind everything we specify, manufacture and sell…From complete customized bulk material handling equipment to replacement parts.

We offer these guarantees because we have…
"The Experience to Handle it Right!"



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PTRA

THE EXPERIENCE TO HANDLE IT RIGHT!®

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700 Hoffman Street, Hammond, IN 46327-1894
Phone 219-931-1450
www.screwconveyor.com

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Guadalajara, México
P: 333-645-7110