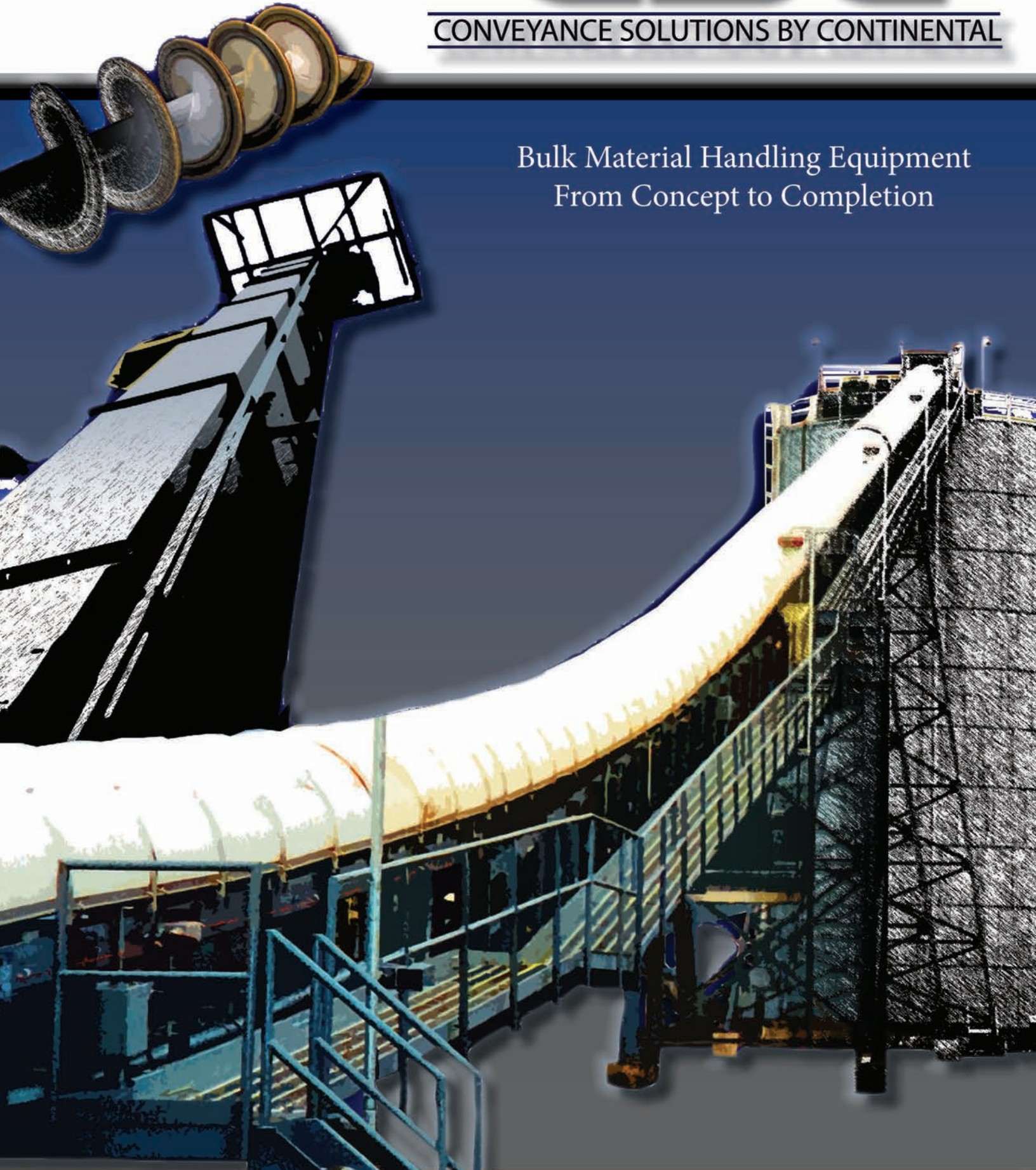


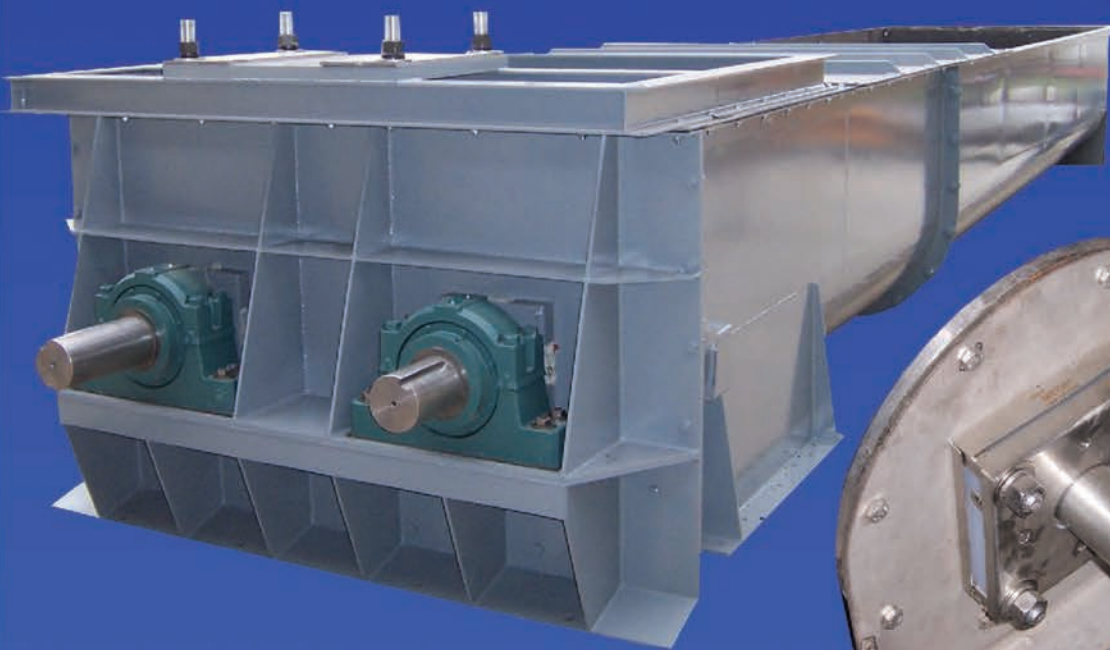
4343 Easton Road
St. Joseph, MO 64503
www.csc-conveyor.com
(816) 233-1800

CSC

CONVEYANCE SOLUTIONS BY CONTINENTAL

Bulk Material Handling Equipment
From Concept to Completion







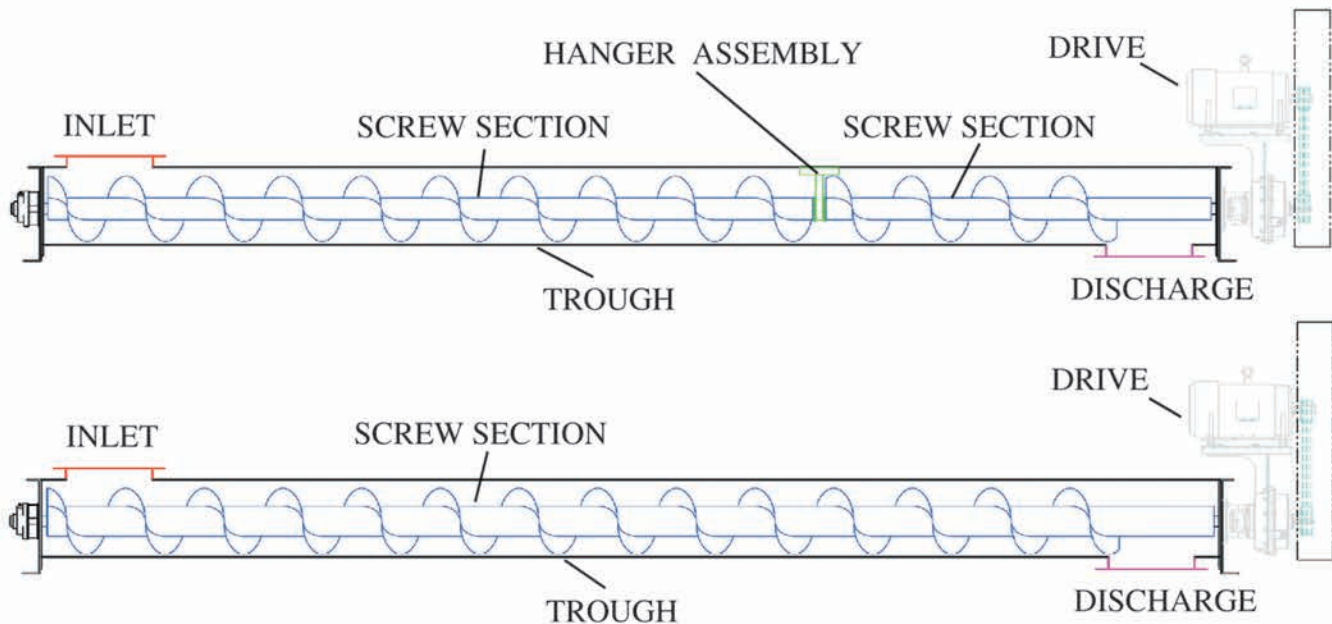
CSC has the experience and manufacturing capability to take bulk material handling equipment from concept to completion. CSC has been building bulk material handling equipment since the 1920s, working at the current location in Saint Joseph, MO since 1976. The company operated under the name Continental Screw Conveyor until 2013. The company was renamed Conveyance Solutions by Continental to better reflect the wide range of conveyance solutions provided by Continental.

The facility has 60,000 square feet of manufacturing space with a comprehensive machine shop, large fabrication section and versatile paint/finish area, along with engineering and administrative offices. The main focus is the design and manufacturing of industrial duty bulk material handling equipment, particularly screw conveyors, bucket elevators and belt conveyors. The approach from the start is building equipment to fit a particular application instead of having the customer compromise their requirements to fit standard equipment. With equipment installed around the world, CSC continues to take the extra step to ensure that the right equipment at the most cost-effective price is offered to complete each individual job.

NOTE: Environmental as well as many other conditions vary with each installment. As a result, the information included in this catalog is intended merely as a guide to equipment selection. CSC does not warrant that adherence to these guidelines will result in proper selection, manufacture or maintenance of conveyor equipment. Unless there are written specifications or recommendations pursuant to a written contractual commitment, CSC hereby disclaims all responsibility for any equipment and/or system malfunction, any violations of law, property damage, personal injury or any other damages resulting from equipment and/or system selection, design, installation, maintenance or operation carried out by the contractor or user.

SCREW CONVEYORS

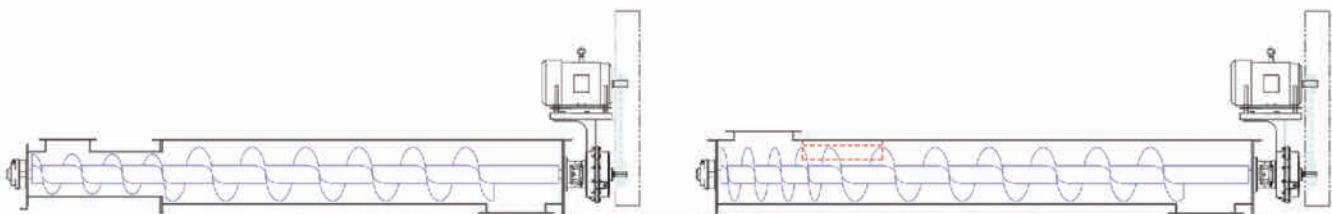
Screw conveyors are designed to have material loaded into them by a controlled feed, receiving a uniform and continuous amount of product. The unit conveys the material to the discharge at a consistent rate. Advantages of using screw conveyors include the ability to have multiple inlets and discharges, a low number of moving parts and conveying material in a dust tight manner. CSC specializes in building heavy duty units for particular applications, designing each unit to meet specific requirements.



TYPICAL SCREW CONVEYOR ARRANGEMENTS

SCREW FEEDERS

Screw feeders are designed to be flood fed, so that regardless of the amount of material in a hopper above the inlet the volumetric output rate will remain constant. It is this trait that makes screw feeders a critical part of a system, as they set the rate of material flow for the equipment downstream. A series of independent screw feeders can be used to unload a large collecting tank or silo. This arrangement allows for varied material rates to be pulled from different storage areas and improved reliability as one unit can be isolated for inspection/maintenance without shutting down the rest of the system. The alternative is to use a multiple screw unit which feeds from a wide area while maintaining a low stack up height and requiring fewer drives.

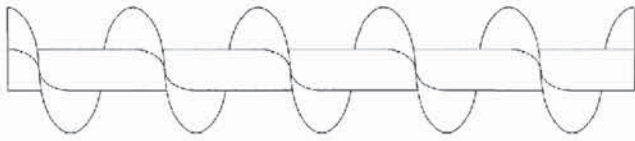


TYPICAL SCREW FEEDER ARRANGEMENTS

SCREW CONVEYOR OPTIONS

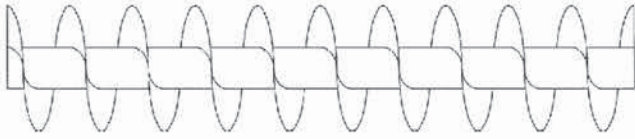
Material of Construction	Units can be built from carbon steel, various grades of stainless steel, aluminum and other alloys
Safety Switches	Used to sense the operating condition or speed of the unit, mounted to read an external shaft or sense through the trough wall to detect screw movement within the unit. Limit switches are standard on drop bottoms and cover mounted inspection doors.
Hanger Bearings	Depending on factors such as material handled and temperature, hanger bearings in units may be engineered nylon, polyethylene, wood or hard iron. For particular applications more specialized non-stock hanger bearings are available such as ceramic, Rulon and Stellite.
Access Doors	Inspection ports on covers and drop bottoms on troughs are common options for equipment observation and maintenance. Supplied with safety grates and limit switches for operator safety.
Shaft Seals	Seals for drive and tail shafts can range from common wastepack and packing gland seals to elaborate mechanical seals. Factors in selecting the correct seal include material handled, temperature and angle of incline.
Weld Finishes	The finish of the interior welds of a unit will range from standard wire brush cleaning to a food grade level with a high degree of polish and no pits or crevices.
Drives	The style of the drive may be selected by the customer, with options such as shaft mounted reducers, direct drive and chain and sprocket arrangements as some of the possibilities.
Troughs	Standard U-trough, flared and rectangular with angle or formed flanges. Options include external jackets for heating and cooling along with drop bottom sections for easier maintenance on units.
Covers	Available in flat, flanged and hip roof designs. Means of attachment include bolting, screw clamps, spring clamps and toggle clamps. In special applications plexiglass sections may be used for observation of unit in operational state.
Hardsurfacing	Available on perimeter edge of flights, faces of flights and on screw section pipe. Applied by automated plasma transfer arc system, hardsurfacing material is fused with base material to increase service life of screw section. Commonly used in applications with glass cullet, gypsum, flyash and other highly abrasive materials.

SCREW SECTION STYLES



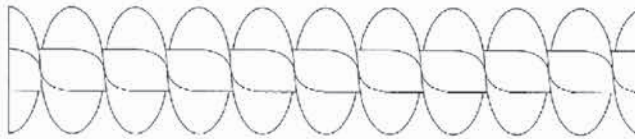
Standard Full Pitch

Used for conveying material horizontally or on slight inclines.



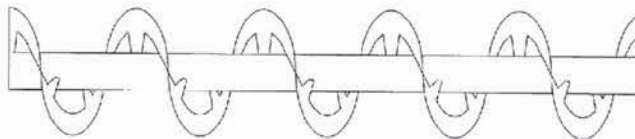
Half Pitch

Used in screw feeders, also in conveyors where material is being conveyed up an incline.



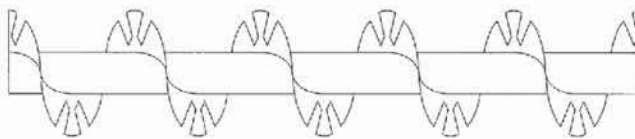
Double Flight Full Pitch

Used in conveyors where an even discharge of materials is required.



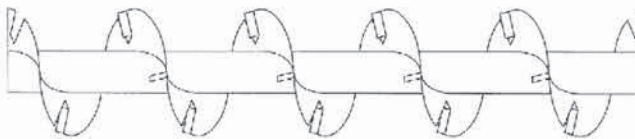
Ribbon

Used in conveyors to convey sticky materials.



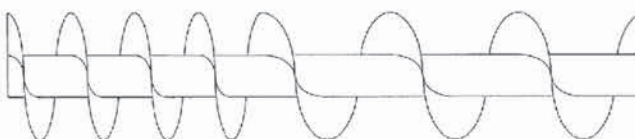
Cut

Used in conveyors where mixing materials is desired.



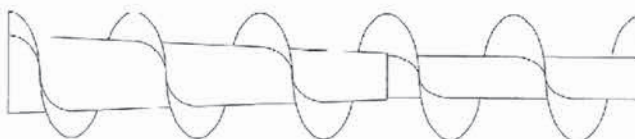
Cut and Fold

Used in conveyors where high levels of mixing materials and increased retention time is desired.



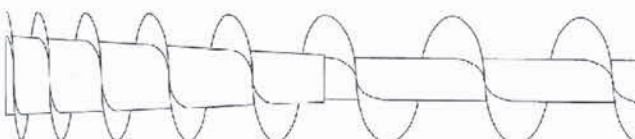
Varied Pitch

Used in screw feeders, short pitch below inlet, full pitch beyond to allow material loading to drop.



Cone with Consistent Pitch

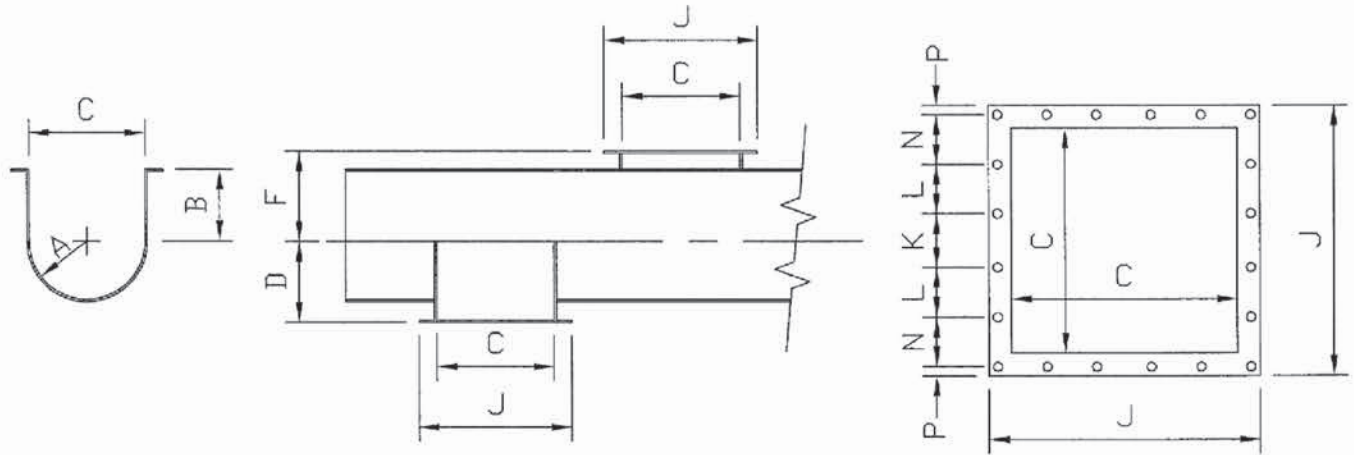
Used in screw feeders where an even loading across the inlet length is desired.



Cone with Varied Pitch

Used in screw feeders where a specific loading across the inlet length is desired.

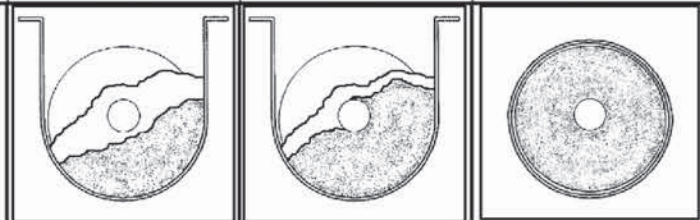
SCREW ENGINEERING DATA



Unit Dia.	STANDARD SCREW CONVEYOR DIMENSIONS (Inches)										Bolt Size	Bolt Qty.
	A	B	C	D	F	J	K	L	N	P		
6	3 1/2	4 1/2	7	5	6	10	3	-	2 13/16	11/16	5/16	12
9	5	6 1/8	10	7 1/8	7 5/8	13	4	-	4	1/2	3/8	12
10	5 1/2	6 3/8	11	7 1/8	7 7/8	14	4 3/8	-	4 5/16	5/8	3/8	12
12	6 1/2	7 3/4	13	8 7/8	9 3/4	17	5 1/4	-	5 1/8	7/8	3/8	12
14	7 1/2	9 1/4	15	10 1/8	11 1/4	19	3 1/2	3 1/2	3 1/2	7/8	3/8	20
16	8 1/2	10 5/8	17	11 1/8	12 5/8	21	4	4	3 3/4	7/8	3/8	20
18	9 1/2	12 1/8	19	12 3/8	14 5/8	24	4 3/8	4 3/8	4 7/16	1 1/8	1/2	20
20	10 1/2	13 1/2	21	13 3/8	16	26	4 3/4	4 3/4	4 7/8	1 1/8	1/2	20
24	12 1/2	16 1/2	25	15 3/8	19	30	5 1/2	5 5/8	5 5/8	1 1/8	1/2	20

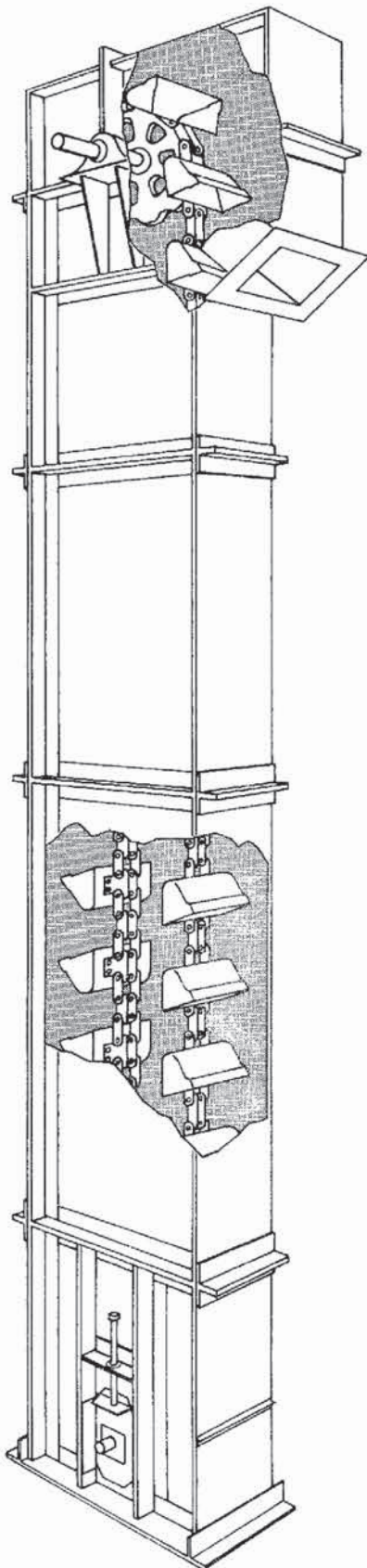
CAPACITIES BASED ON FULL PITCH FLIGHTING

Unit Diameter	CFH @ 1 RPM (30% Loading)	CFH @ 1 RPM (45% Loading)	CFH @ 1 RPM (95 % Loading)
6"	1.5	2.28	4.75
9"	5.4	8	16.8
12"	13	19.3	40.8
14"	21	30.8	65.2
16"	31.4	47.3	100
18"	45.5	68	144
20"	62	93	195
24"	108	162	340



Class of Finish	Operation	
	CEMA I	CEMA II
CEMA I	Weld spatter and slag removed	Rough grind welds to remove heavy ripples (40-50 grit finish)
CEMA II		Medium grind welds, some pits and crevices (80-100 grit finish)
CEMA III		Fine grind welds, no pits or crevices (140-150 grit finish)
CEMA IV		CEMA IV plus polish to bright uniform finish
CEMA V		

CENTRIFUGAL ELEVATORS



Centrifugal bucket elevators are used to handle fine free flowing materials. The buckets travel at speeds high enough to discharge material by centrifugal force as they pass around the head sprocket/pulley. Casings can be made from carbon steel, stainless steel and other harder materials as required by the application. The main advantage of a centrifugal elevator over a continuous elevator is the ability to dig out of the boot, allowing for a lower feed point which can reduce pit costs. The two primary types of centrifugal elevators are chain and belt. Chain elevators will handle the nonabrasive materials while belt elevators will handle more abrasive material as long as there are no slivers or sharp pieces.

Design options for the units include various drive configurations, internal or external take-ups along with molded or fabricated buckets. Maintenance options include service platforms, rest platforms and access ladders with cage, all which meet OSHA guidelines. Materials handled by centrifugal elevators include bentonite, borax, cement, coal, coke, glass batch, gypsum, lime, salt, sand, sugar and other free flowing materials where product degradation is not a problem.

CENTRIFUGAL BUCKET ELEVATOR CAPACITIES

CHAIN ELEVATORS		BELT ELEVATORS	
MODEL	CAPACITY	MODEL	CAPACITY
SC6420	288 CFH	SB6420	288 CFH
SC8524	614 CFH	SB8524	614 CFH
SC10624	1,051 CFH	SB10624	1,051 CFH
SC12730	1,768 CFH	SB12730	1,710 CFH
SC14730	2,138 CFH	SB14730	2,070 CFH
SC16824	2,550 CFH	SB16824	2,652 CFH
SC16830	3,160 CFH	SB16830	3,060 CFH

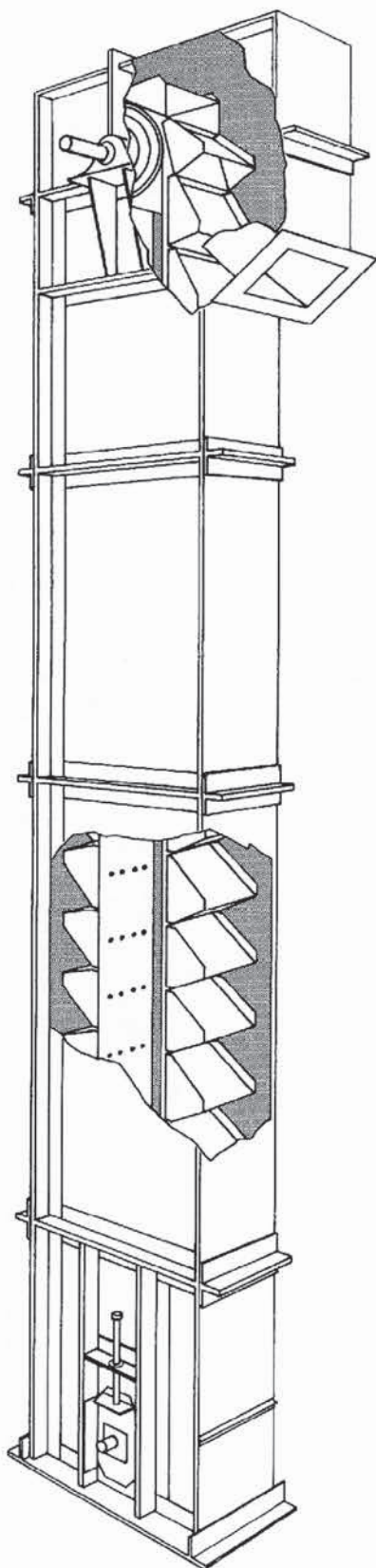
Key To Elevator Models

Style - Bucket Width - Bucket Projection - Pulley/Sprocket Diameter

SC = Centrifugal Chain

SB = Centrifugal Belt

CONTINUOUS ELEVATORS



Continuous bucket elevators are used to handle heavy materials with large lumps. The buckets travel at lower speeds to allow for minimum material degradation and reduced wear on equipment. The main advantages of a continuous elevator over a centrifugal elevator is the large lump size capacity and the gentle manner in which the material is conveyed. In both chain and belt versions of the continuous elevator the backside of a bucket helps form the discharge chute for the following bucket.

Design options for the units include various drive configurations, internal or external take-ups along with molded or fabricated buckets. Maintenance options include service platforms, rest platforms and access ladders with cage, all which meet OSHA guidelines.

Materials handled by continuous elevators include aluminum chips, aluminum oxide, baking powder, pelletized carbon black, charcoal, cement, coal, cork, gypsum, lime, limestone, pumice, salt, slag, light soda ash and other materials that have low densities and are sensitive to product degradation.

CONTINUOUS BUCKET ELEVATOR CAPACITIES

CHAIN ELEVATORS		BELT ELEVATORS	
MODEL	CAPACITY	MODEL	CAPACITY
CC8520	675 CFH	CB8520	675 CFH
CC10520	842 CFH	CB10520	842 CFH
CC10724	1080 CFH	CB10724	1,080 CFH
CC12724	1,293 CFH	CB12724	1,293 CFH
CC14724	1,518 CFH	CB14724	1,518 CFH
CC14824	1,815 CFH	CB14824	1,815 CFH
CC16824	2,080 CFH	CB16824	2,080 CFH
CC18824	2,340 CFH	CB18824	2,340 CFH

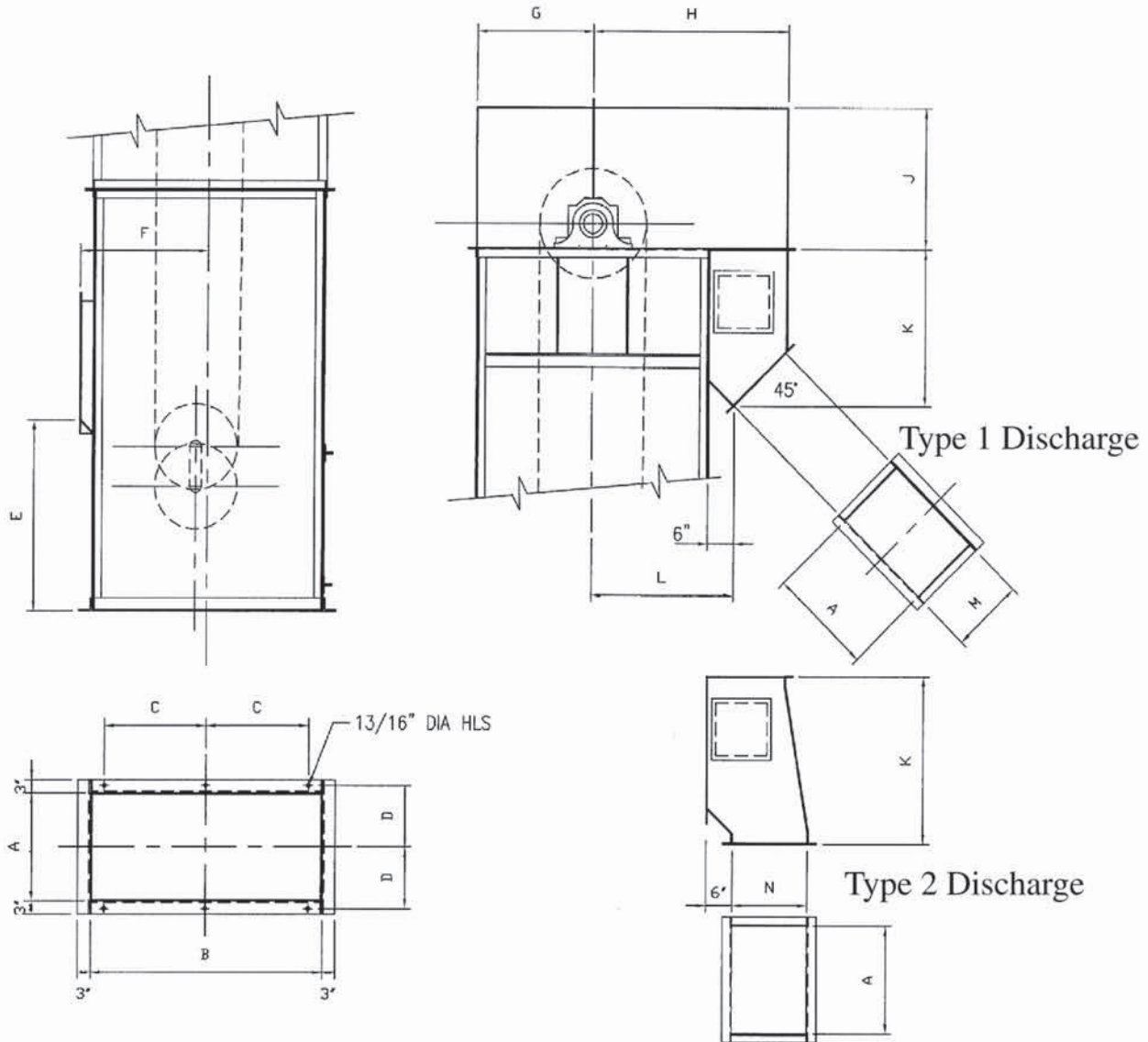
Key To Elevator Models

Style - Bucket Width - Bucket Projection - Pulley/Sprocket Diameter

SC = Centrifugal Chain

SB = Centrifugal Belt

ELEVATOR DIMENSIONS



MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	MODEL
SC6420	10 1/2	36 1/2	15	7	29	21 1/4	18	31 1/4	20 1/2	27 1/4	24 1/4	10	10 3/4	SB6420
SC8524	16 1/2	48 1/2	21	10	32	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	SB8524
SC10624	16 1/2	48 1/2	21	10	33	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	SB10624
SC12730	24 1/2	54 1/2	24	14	36	30 1/4	27	45 1/4	32	35 3/4	33 1/4	17	17 1/2	SB12730
SC14730	24 1/2	54 1/2	24	14	36	30 1/4	27	45 1/4	32	35 3/4	33 1/4	17	17 1/2	SB14730
SC16824	24 1/2	54 1/2	24	14	35	30 1/4	27	45 1/4	32	35 3/4	33 1/4	17	17 1/2	SB16824
SC16830	24 1/2	54 1/2	24	14	37	30 1/4	27	45 1/4	32	35 3/4	33 1/4	17	17 1/2	SB16830
CC8520	16 1/2	40 1/2	17	10	42	23 1/4	20	36	22 1/2	29	26 1/4	14	14 1/2	CB8520
CC10520	16 1/2	48 1/2	21	10	42	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB10520
CC10724	16 1/2	48 1/2	21	10	46	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB10724
CC12724	24 1/2	48 1/2	21	14	46	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB12724
CC14724	24 1/2	48 1/2	21	14	46	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB14724
CC14824	24 1/2	48 1/2	21	14	47	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB14824
CC16824	24 1/2	48 1/2	21	14	47	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB16824
CC18824	24 1/2	48 1/2	21	14	47	27 1/4	24	40 3/4	28 1/2	33 1/4	30 1/4	15	15 1/2	CB18824

CENTRIFUGAL

CONTINUOUS

BELT CONVEYORS

Belt conveyors are used to move large amounts of material using a minimal amount of horsepower. These conveyors can be provided in sizes from small capacity 18" feeders with short single welded channel frame assembly up to high capacity 48" wide conveyors several hundred feet long with 20'-0" or 40'-0" truss sections.

CSC offers the two most common types of construction, channel frame and truss frame. Channel frame conveyors are built with 6", 8" and 10" channel frame and handle spans ranging from 15 feet to 20 feet depending on the conveyor width. Truss frame conveyors allow for longer spans and larger widths, giving the capability to handle higher capacities. Trusses are available in 24" to 48" depth for standard units all the way up to 60" depth for height capacity units with wide belts.

In addition to these standard construction belt conveyors CSC offers several specialty type conveyors. Examples of these include flexible sidewall conveyors in inclined, 'Z' and 90 degree configurations, along with slider belt conveyors with stainless steel and UHMW slider beds.

Height inclined cleated belt conveyors for moving free flowing material in near vertical arrangement are also available with a wide variety of cleat designs and arrangements.

Standard conveyors are typically open on the carry and return side but covers are available. The units can be fitted with full radius covers for the top carrying side to decrease the amount of dust generated. The lower return side of belt conveyors can be made with fabricated covers which reduce the dust generated and also collect any spilled material that would otherwise fall from the unit.

Enclosed belt conveyors are useful where dust containment and product isolation are priorities.

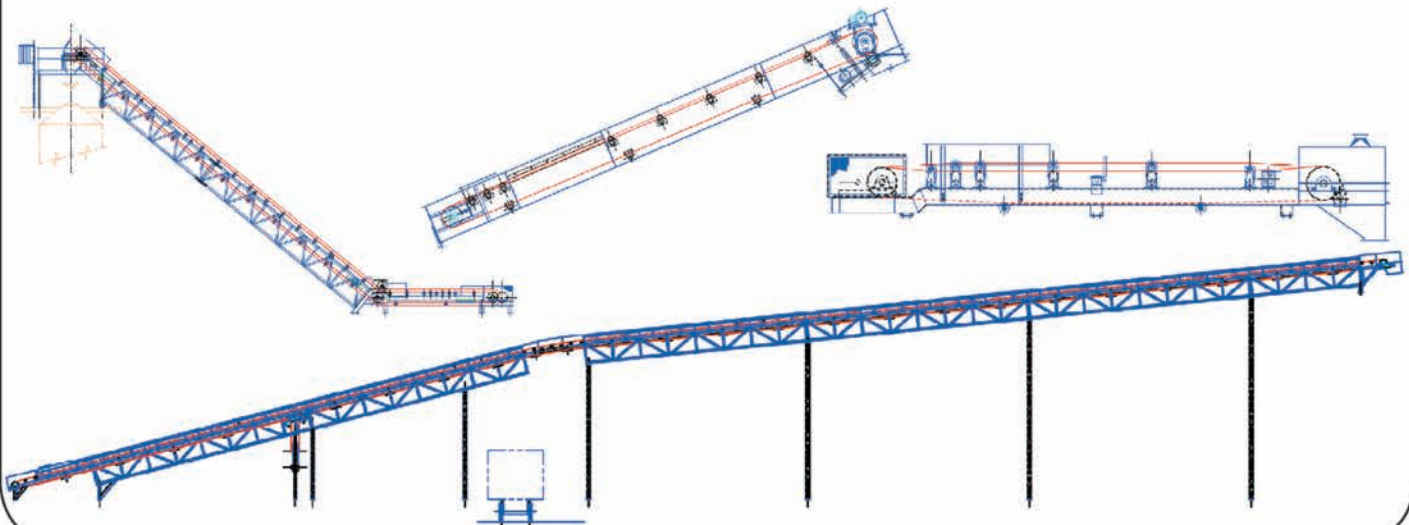
Different from standard conveyors with covers attached, enclosed units feature an integrated cover which is part of the conveyor structure itself. These units offer the dust containment benefit of a screw conveyor without the risk of product degradation during the conveyance of the material.

Available in carbon and stainless steel construction, units can be placed in both horizontal and inclined installations.



BELT CONVEYOR OPTIONS

Material of Construction	Units can be built from carbon steel, various grades of stainless steel, aluminum and other alloys.
Safety Switches	Switches include zero speed switches, alignment switches and plug switches. The zero speed switch is usually tail mounted while an alignment switch is common at the center of units over 150 feet in length. Plug switches are used in discharge chutes to detect excessive material.
Idlers	CEMA B, C and D series idlers are available in 4", 5" and 6" diameter rolls set at 20°, 35° and 45° configurations. Other options include impact idlers, self training idlers and return idlers, along with specialized items such as impact beds.
Conveyor Belting	Available in a variety of cover thicknesses and compositions to handle material of varying sizes, abrasiveness and temperatures. Along with various base materials, there are multiple belt styles available for particular applications. The styles include standard flat, flat with surface profile, flat with cleats and flexible sidewall designs.
Covers	Formed fabricated covers are available along with standard full radius styles. The covers are available in stainless, aluminum, painted carbon steel and galvanized carbon steel.
Drives	The style of the drive may be selected by the customer, with options such as shaft mounted reducers, direct drive and chain and sprocket arrangements as some of the possibilities.
Discharge Chute Liners	With selection depending on the material being conveyed, UHMW, AR400, ceramic and other liners are available.
Cleaners	Primary and secondary blade cleaners are available in a wide variety of styles and materials. Also available are brush cleaners and V-plows for special return belt cleaning applications.



BELT CONVEYOR ENGINEERING

CAPACITIES (CFH) WITH 20° TROUGHED BELT AT 100 FPM							
Belt Width	0° S.A.	5° S.A.	10° S.A.	15° S.A.	20° S.A.	25° S.A.	30° S.A.
18"	537	653	769	886	1,005	1,128	1,254
24"	1,041	1,258	1,477	1,698	1,924	2,155	2,394
30"	1,708	2,060	2,414	2,772	3,137	3,511	3,897
36"	2,538	3,057	3,579	4,107	4,645	5,196	5,765
42"	3,533	4,250	4,972	5,703	6,447	7,210	7,997
48"	4,691	5,640	6,594	7,560	8,544	9,552	10,592

CAPACITIES (CFH) WITH 35° TROUGHED BELT AT 100 FPM							
Belt Width	0° S.A.	5° S.A.	10° S.A.	15° S.A.	20° S.A.	25° S.A.	30° S.A.
18"	864	964	1,066	1,169	1,274	1,381	1,492
24"	1,668	1,857	2,048	2,241	2,438	2,640	2,847
30"	2,733	3,039	3,346	3,658	3,975	4,300	4,636
36"	4,058	4,508	4,961	5,419	5,886	6,364	6,857
42"	5,644	6,266	6,891	7,524	8,169	8,830	9,511
48"	7,491	8,312	9,138	9,974	10,825	11,698	12,598

S.A. = Surcharge Angle of material (angle to the horizontal assumed by the surface of a material at rest on a moving belt, ranges from 0 to 20 degrees below the angle of repose). Refer to the Material Characteristics page in the back for approximate S.A. values.

RECOMMENDED MAXIMUM BELT SPEED		
Material Being Conveyed	Belt Speeds (FPM)	Belt Width
Grain or other non-abrasive free flowing material	500	18
	700	24-30
	800	36-42
	1,000	48-60
Coal, damp clay, fine crushed stone	400	18
	600	24-36
	800	42-60
Foundry sand (prepared or damp)	350	18-60
Non-abrasive materials when discharged from belt by a plow	200	18-60
Fine non-abrasive or mildly abrasive materials when belt conveyor fed from hopper	20-100	18-60

MATERIAL CHARACTERISTICS

Material Description	Density PCF	Angle of Repose
Adipic Acid	45	
Alumina	55-65	22
Alumina, Sized or Briquette	65	
Aluminum Oxide	60-120	29
Aluminum, Ore See Bauxite		
Ashes, Coal, Dry - 1/2"	35-45	45
Bagasse	7-10	45
Baking, Powder	40-55	
Baking, Soda	40-55	
Bark, Wood, Refuse	10-20	45
Barley, Fine Ground	24-38	23
Barley, Malted	31	23
Bauxite, Crushed - 3"	75-85	30-44
Bauxite, Dry, Ground	68	31
Bentonite - 100 Mesh	50-60	42
Bentonite, Crude	34-40	42-44
Borax, Fines	45-55	
Brewer's Grain, Spent, Dry	14-30	45
Brewer's Grain, Spent, Wet	55-60	45
Calcium Carbide	70-90	30-44
Calcium Carbonate See Limestone		
Calcium Hydrate See Lime, Hydrated		
Calcium Phosphate	40-50	
Calcium Sulfate See Gypsum		
Carbon, Black, Pelleted*	20-25	25
Carbon, Black, Powder*	*	30-44
Cement, Aerated Portland	60-75	
Cement, Clinker	75-95	30-44
Cement, Mortar	133	
Cement, Portland	94	30-44
Charcoal, Ground	18-28	35
Charcoal, Lumps	18-28	35
Clay (Bentonite, Fuller's Earth, Kaoiln)	60-80	35
Clay, Dry, Lumpy	60-75	35
Clinker, Cement See Cement, Clinker		
Coal, Anthracite, Culm and River	55-61	35
Coal, Anthracite, Sized - 1/2"	49-61	27
Coal, Bituminous, Mined	40-60	45
Coal, Bituminous, Mined, Sized	45-55	35
Coal, Bituminous, Mined, Slack	43-50	40
Coal, Lignite	37-45	38
Cocoa, Powdered	30-35	
Coffee, Ground, Dry	25	
Coffee, Ground, Wet	35-45	
Coke, Breeze	25-35	30-44
Coke, Loose	25-35	30-44
Coke, Petrol, Calcimined	35-45	30-44
Cullet, Fines	80-120	30-44
Cullet, Lumps	80-120	30-44
Detergent See Soap, Detergent		
Diatomaceous Earth	11-17	30-44
Distiller's Grain, Spent, Dry	30	
Distiller's Grain, Spent, Wet	40-60	
Dolomite, Crushed	80-100	30-44
Feldspar, Ground	65-80	30-44
Flue Dust, Blast Furnace	110-125	20
Flyash	30-45	
Fuller's Earth, Dry, Raw	30-40	23
Fuller's Earth, Oily, Spent	60-65	20-29
Gilsonite	37	
Glass, Batch	80-100	0-10

Material Description	Density PCF	Angle of Repose
Granite, Fines	80-90	20-29
Graphite, Flour	28	
Graphite, Ore	65-75	
Gypsum, Calcined	55-60	
Gypsum, Calcined, Powdered	60-80	
Gypsum, Raw - 1"	70-80	
Hops, Spent, Dry	35	
Hops, Spent, Wet	50-55	
Iron Ore, Concentrate	120-180	35
Iron Oxide Pigment	25	
Kaolin Clay	63	35
Kaolin Clay, Tale	42-56	
Lead Ore, -1/2"	180-230	30
Lead Ore, -1/8"	200-270	30
Lead Oxide, -100 Mesh Red Lead	30-150	45
Lead Oxide, -200 Mesh Red Lead	30-180	45
Lime, Ground, Unslaked	60-65	43
Lime, Hydrated	40	40
Lime, Hydrated, Pulverized	32-40	40
Lime, Pebble	53-56	30
Limestone, Agricultural	68	30-44
Limestone, Crushed	85-90	38
Limestone, Dust	55-95	
Manganese Ore	125-140	39
Paper, Pulp, -4%	62	19
Paper, Pulp, 6% to 15%	60-62	19
Phosphate Rock, Pulverized	60	40
Polyvinyl Chloride, Pellets	20-30	
Polyvinyl Chloride, Powder	20-30	
Salt, Dry, Coarse	45-60	
Salt, Dry, Fine	70-80	25
Sand, Dry Bank, Damp	110-130	45
Sand, Dry Bank, Dry	90-110	35
Sand, Foundry, Shake Out	90-100	39
Sand, Silica, Dry	90-100	20-29
Sawdust, Dry	10-13	36
Slag, Blast Furnace, Crushed	130-180	25
Slag, Furnace, Granular, Dry	60-65	25
Sludge, Sewage, Dry	40-50	
Sludge, Sewage, Dry, Ground	45-55	
Soap, Detergent	15-50	
Soap, Powder	20-25	
Soda Ash, Heavy	55-65	32
Soda Ash, Light	20-35	37
Sodium Bicarbonate See Baking Soda		
Sodium Borate See Borax		
Sodium Carbonate See Soda Ash		
Sodium Chloride See Salt		
Sodium Phosphate	50-60	37
Starch	25-50	24
Sugar, Refined, Granulated, Dry	50-55	30-44
Sulphur, Powdered	50-60	30-44
Talcum, Powder	50-60	
Tobacco, Scraps	15-25	45
Urea Prills, Coated	43-46	
Wood, Chips, Screened	10-30	45
Wood, Flour	16-36	
Wood, Shavings	8-16	
Zinc Oxide, Heavy	30-35	45-55
Zinc Oxide, Light	10-15	45
Zinc, Concentrate, Residue	75-80	

- * Data listed is presented as a guideline and should be verified prior to use
- * To determine surcharge angle (S.A.) of a material use the table to the right
- * For materials not on list please contact us to review application

Angle of Repose	Surcharge Angle
0°-19°	5°
20°-29°	10°
30°-34°	20°
35°-39°	25°
40° and up	30°

REQUEST FOR QUOTATION

Name	_____	Phone	_____
Company	_____	Fax	_____
Address	_____	E-Mail	_____
	_____		_____

Inquiry Data <input type="radio"/> Firm Price (Requires 7-14 Days) <input type="radio"/> Budget Price +/- 10%	Length / Height <input type="radio"/> _____ Centerline to Centerline <input type="radio"/> _____ Overall _____ Angle of Incline
Type of Equipment <input type="radio"/> Screw Conveyor <input type="radio"/> Bucket Elevator <input type="radio"/> Belt Conveyor <input type="radio"/> Other	Drive Motor <input type="radio"/> Yes <input type="radio"/> TEFC <input type="radio"/> No <input type="radio"/> Explosion Proof
Requested Schedule Quote Due (____ / ____ / ____) Order Placed (____ / ____ / ____) Delivery (____ / ____ / ____)	Material of Construction <input type="radio"/> Mild Steel <input type="radio"/> Stainless Steel (Type _____) <input type="radio"/> Other _____

Material to be Conveyed

Material	_____	Capacity	_____	TPH
Density	_____	Required	_____	PPH
Size	_____		_____	CFH
Temperature	_____			
Moisture	_____			

Equipment Fed By _____
(Required Information) _____

Sketch



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