



AEGIS

S O R T A T I O N



2022 ADDITIONAL CONVEYOR PRODUCTS

- Stamping operations
- Small parts
- Portable or permanent



STANDARD SPECIFICATIONS

Belt - 3 ply PVG (Oil resistant PVC) with 1½" high molded cleats on 12" centers. Available in widths of 4", 6", 8", 10", 12", 16", 18" and 24".

Bed - 6½" deep x 12 gauge powder painted formed steel with 3½" high solid guard rails both sides.

Tail Pulley - 4" diameter crowned with 1⅜" diameter shaft.

Overhead Drive - 10" clearance over belt, standard.

Drive Pulley - 4" diameter crowned and fully lagged with 1⅜" diameter shaft.

Belt Return - Belt is returned on smooth sheet metal slide.

Take-Up - 6" long screws located at tail pulley to tighten belt.

Portable Supports - Heavy duty pipe support with 4" diameter casters permit easy mobility of conveyor.

Bearings - Sealed prelubricated with cast iron housings.

Speed Reducer - C-Face mounted heavy duty worm gear reducer.

Motor - ½ HP 230/460-3-60 TE motor.

Belt Speed - 60 FPM constant.

Capacity - Total distributed live load not to exceed Capacity Chart.

OPTIONAL EQUIPMENT

Belt - ½" x 1" flat wire mesh with 1½" high angle cleats bolted on 12" centers. Others.

Bed - Special bed sizes and special material such as stainless steel, galvanized, etc.

Supports - Permanent type with adjustment.

Hopper - Infeed hopper located on tail pulley end. Sized to suit application.

Motor - Single phase, energy efficient, explosion proof, etc. Other HP available.

Electrical Controls - Magnetic starters and push button stations; manual motor starters with overload protection, others.

Belt Speed - Constant and variable belt speeds available.

MODEL "SPC"

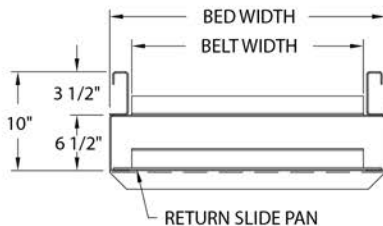
| Conveyor Length | Belt Width | 4" | 6" | 8" | 10" | 12" | 16" | 18" | 24" |
|-----------------|---------------|----------------|-----|-----|-----|-----|-----|-----|-----|
| | Bed Width | 8" | 12" | 12" | 16" | 16" | 20" | 24" | 30" |
| | Bed Thickness | 12 Gauge Steel | | | | | | | |
| 5' | Weight (lbs.) | 348 | 416 | 420 | 473 | 477 | 530 | 583 | 635 |
| 7' | | 379 | 447 | 451 | 504 | 508 | 563 | 620 | 675 |
| 9' | | 410 | 478 | 482 | 535 | 539 | 596 | 657 | 714 |
| 11' | | 441 | 509 | 513 | 566 | 570 | 629 | 694 | 753 |
| 13' | | 472 | 540 | 544 | 597 | 601 | 662 | 731 | 792 |

Portable Base Adjustment Chart (5' to 13' Lengths)

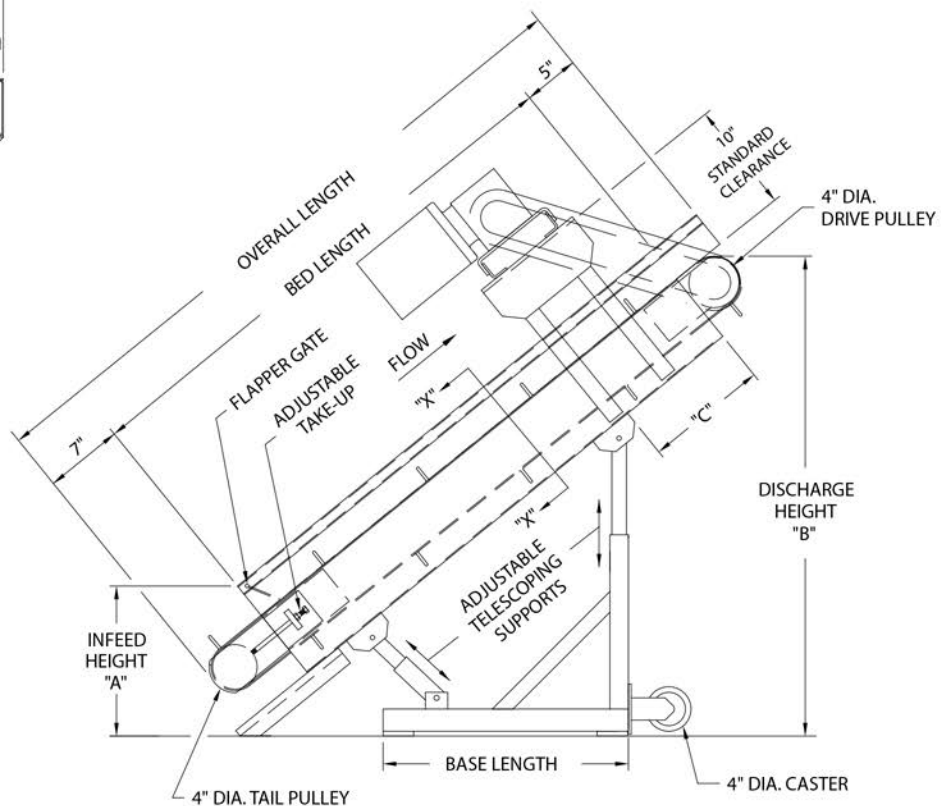
| Overall Length | Bed Length | Base Length | Min. Tail Min. Drive | | Min. Tail Max. Drive | | Max. Tail Min. Drive | | Max. Tail Max. Drive | | |
|----------------|------------|-------------|----------------------|---------|----------------------|---------|----------------------|---------|----------------------|---------|-----|
| | | | "A" | "B" | "A" | "B" | "A" | "B" | "A" | "B" | |
| 5' | 4' | 22" | 11" | 41 1/2" | 10" | 56" | 25 1/2" | 37 1/2" | 26" | 54 1/2" | 11" |
| 7' | 6' | 34" | 11" | 51 1/2" | 10" | 76 1/2" | 44 1/2" | 44 1/2" | 45" | 73 1/2" | 11" |
| 9' | 8' | 46" | 11" | 64 1/2" | 10" | 97 1/2" | 57 1/2" | 57 1/2" | 48" | 95 1/2" | 11" |
| 11' | 10' | 58" | 11" | 74 1/2" | 10" | 118" | 67 1/2" | 67 1/2" | 55 1/2" | 116" | 11" |
| 13' | 12' | 58" | 11" | 86 1/2" | 10" | 139" | 67 1/2" | 67 1/2" | 55 1/2" | 128" | 35" |

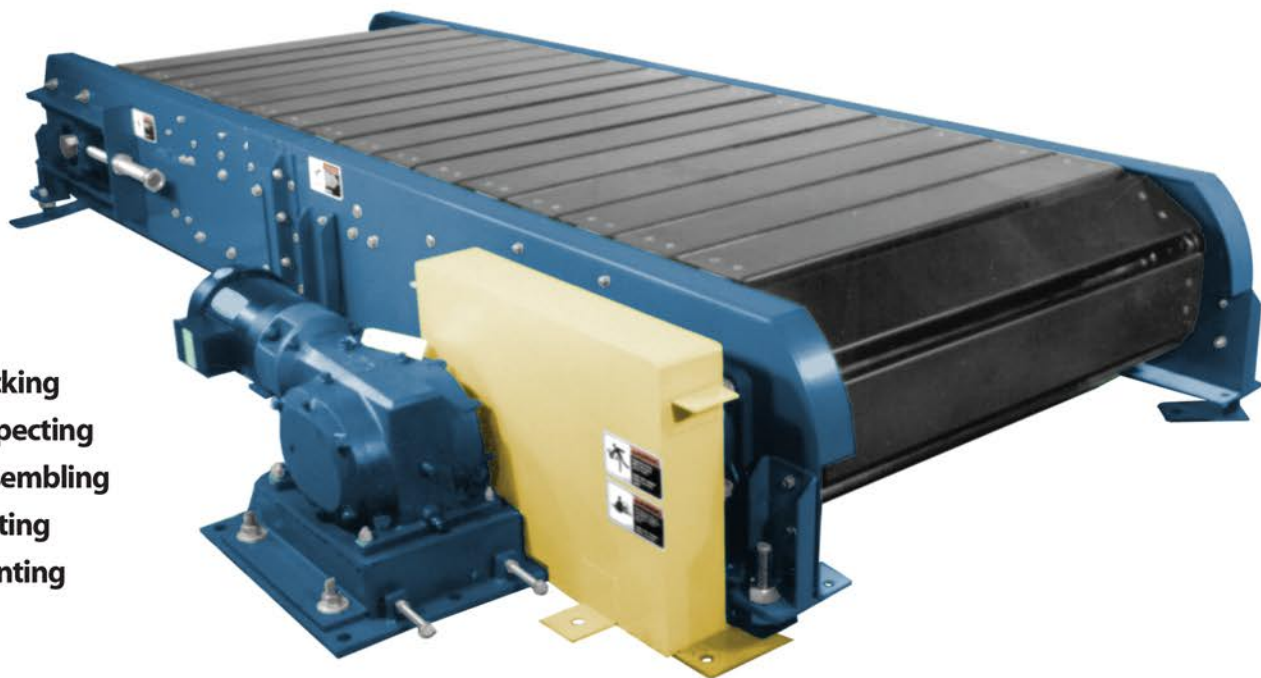
Load Capacity Chart

| 60 FPM | |
|--------|------------|
| HP | TOTAL LOAD |
| 1/2 | 300 lbs. |
| 3/4 | 380 lbs. |



SECTION "X-X"





- Packing
- Inspecting
- Assembling
- Testing
- Painting

STANDARD SPECIFICATIONS

Slats - 5 $\frac{3}{4}$ " x 10 gauge formed slat standard, bolted to A-2 attachments on chain. Slat length is effective conveying surface.

Conveyor Frame - Heavy duty, powder painted 7 gauge, bolted construction.

Chain & Slat Return - Returns on angle track, supplied as part of conveyor framework.

Chain - Heavy duty 6" pitch with A-2 attachments on each pitch.

Driving Sprockets - 6 Tooth SR 196 12" pitch diameter.

Floor Supports - Supplied as part of conveyor framework, not adjustable. Specify height. 24" min. elevation.

Drive Shaft - 2 $\frac{15}{16}$ " diameter CRS.

Tail Shaft - 2 $\frac{7}{16}$ " diameter CRS.

Take-Up - Mounted at tail end of conveyor for adjustment of chain tension.

Drive - Floor mounted at discharge end of conveyor.

Speed - 30 FPM constant.

Reducer - Heavy duty worm gear reducer.

Motor - 2 HP 230/460-3-60 TE motor.

Capacity - 400 lbs. per foot maximum. Not to exceed Load Capacity Chart.

OPTIONAL EQUIPMENT

Slats - Heavier gauge and hardwood slats available.

Chain - 4" pitch heavier duty chain available; inquire.

Dwell Station - Gravity section mounted level with slat surface. Allows product to be inspected, tested, etc., while conveyor remains running.

Speed - Other constant speeds and variable speeds available.

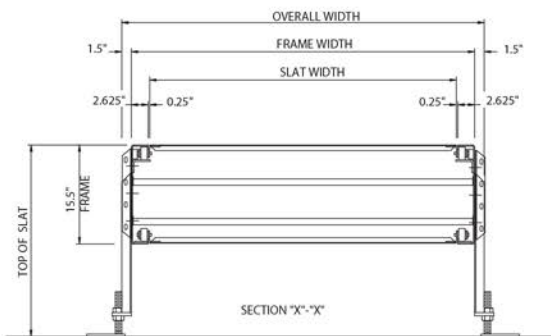
Motor - Single phase, energy efficient, explosion proof, etc. Other HP available.

Electrical Controls - Magnetic starters, push button stations; manual motor starters with overload protection, others.

MODEL "SL"

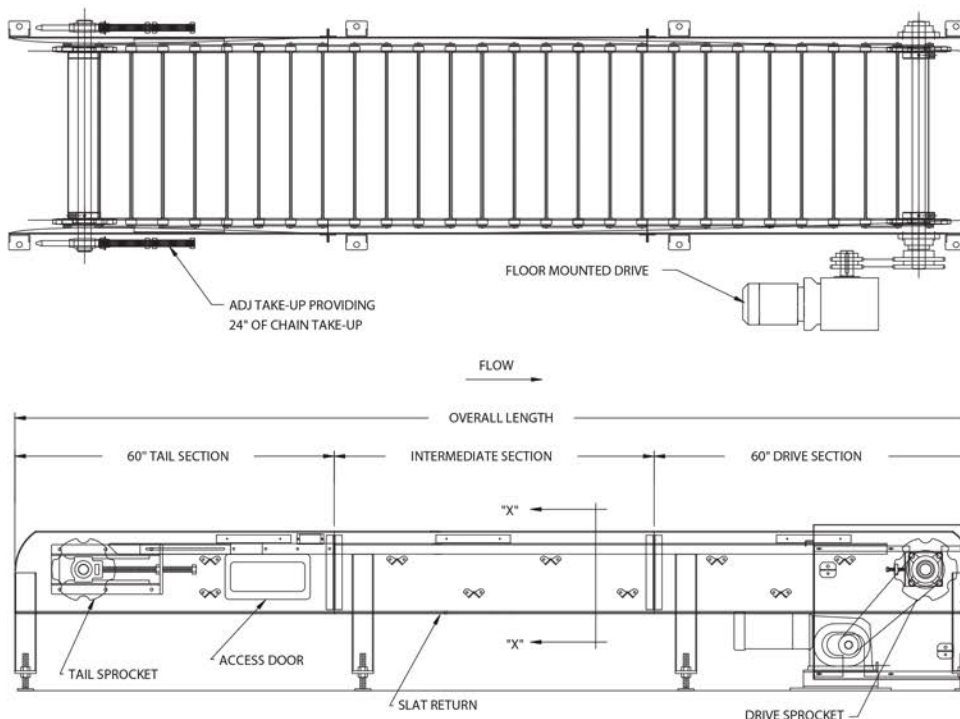
| Conveyor Length | Slat Width | 24" | 30" | 36" | 42" | 48" |
|-----------------|---|-------|-------|-------|-------|-------|
| | Overall Width | 33" | 39" | 45" | 51" | 57" |
| 10' | Weights Based On Standard 5³/₄" Wide 10 Gauge Formed Slats | 2225 | 2471 | 2717 | 2963 | 3209 |
| 20' | | 3821 | 4313 | 4805 | 5297 | 5789 |
| 30' | | 5417 | 6155 | 6893 | 7631 | 8369 |
| 40' | | 7013 | 7997 | 8981 | 9965 | 10949 |
| 50' | | 8582 | 9812 | 11042 | 12272 | 13502 |
| 60' | | 10178 | 11654 | 13130 | 14606 | 16082 |
| 70' | | 11774 | 13496 | 15218 | 16940 | 18662 |
| 80' | | 13370 | 15338 | 17306 | 19274 | 21242 |
| 90' | | 14966 | 17180 | 19394 | 21608 | 23822 |
| 100' | | 16562 | 19022 | 21482 | 23942 | 26402 |

NOTE: Elevation changes are critical on this model. Please contact factory.



Load Capacity Chart

| HP | 30 FPM | |
|----|--------------|---------------|
| | Up to 40 ft. | Up to 100 ft. |
| 2 | 6500 lbs. | 2100 lbs. |
| 3 | 11000 lbs. | 6800 lbs. |





- Handles pallets the hard way
- Quiet operation
- Low profile - 12" elevation optional
- Available with zero pressure accumulation feature

STANDARD SPECIFICATIONS

Frame - 9" x 7 gauge powder painted formed steel channel frames. Sections are bolted together with splice plates and floor supports.

Chain - (2) 60F single pitch conveyor chains, straight side bar, on 36" centers.

Chain Guide - UHMW

Floor Supports - 24" to top of chain. One support supplied at each end of conveyor and at each bed joint.

Motor - 1 HP 230/460-3-60 TE motor, C-Face. Motor and speed reducer are located underneath conveyor frame.

Speed Reducer - Heavy duty worm gear for C-Faced mounted motor.

Sprockets - Hardened sprockets with 1¹⁵/₁₆" diameter CRS drive shaft.

Bearings - Sealed, pre-lubricated with cast iron housing.

Speed - 30 FPM constant speed.

Capacity - 10,000 lbs. maximum distributed live load at 30 FPM. Maximum motor size 3 HP.

OPTIONAL EQUIPMENT

Elevation - 12" minimum (with adjustment to 13") to top of chain, made available by modification. Contact factory.

Motors - Single phase, energy efficient.

Chain Centers - Other chain centers and multiple chains available, 18" minimum chain centers. Contact factory.

Speeds - For speeds greater than 30 FPM, contact factory.

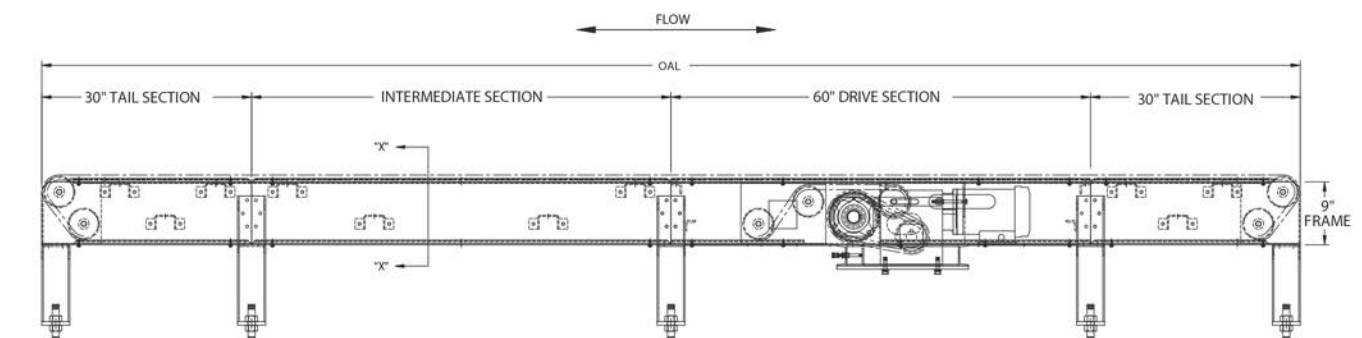
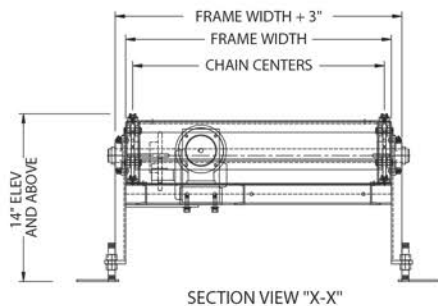
Electrical Controls - Magnetic starters and push button stations; manual motor starters with overload protection, others.

MODEL "DC"

| Overall Length | Frame Width | 20" | 26" | 32" | 38" | 44" | 50" |
|----------------|----------------------|------|------|------|------|------|------|
| | Chain Center | 18" | 24" | 30" | 36" | 42" | 48" |
| 10' | Weights (in lbs.) | 540 | 585 | 630 | 678 | 723 | 768 |
| 15' | | 726 | 790 | 855 | 918 | 983 | 1048 |
| 20' | | 911 | 995 | 1080 | 1158 | 1243 | 1328 |
| 25' | | 1096 | 1200 | 1305 | 1398 | 1503 | 1608 |
| 30' | | 1281 | 1405 | 1530 | 1638 | 1763 | 1888 |
| 35' | | 1466 | 1610 | 1755 | 1878 | 2023 | 2168 |
| 40' | | 1651 | 1815 | 1980 | 2118 | 2283 | 2446 |
| 45' | | 1836 | 2020 | 2205 | 2358 | 2543 | 2728 |
| 50' | | 2021 | 2225 | 2430 | 2598 | 2803 | 3008 |
| 55' | | 2206 | 2430 | 2655 | 2838 | 3063 | 3288 |
| 65' | | 2576 | 2840 | 3105 | 3318 | 3583 | 3848 |
| 75' | | 2946 | 3250 | 3555 | 3798 | 4103 | 4408 |
| 85' | | 3316 | 3660 | 4005 | 4248 | 4623 | 4968 |
| 95' | | 3686 | 4070 | 4455 | 4698 | 5143 | 5528 |
| 105' | | 4056 | 4480 | 4905 | 5148 | 5663 | 6088 |

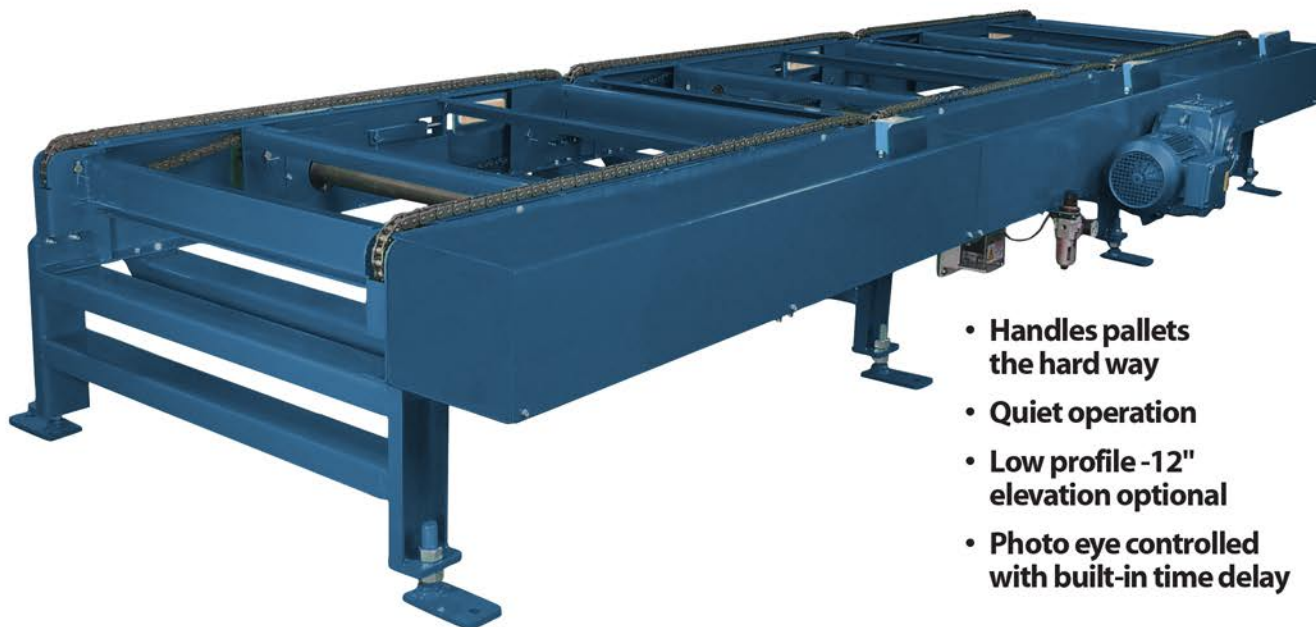
Load Capacity Chart

| HP | 30 FPM WITH 2 STRANDS | |
|----|------------------------|------------|
| | TOTAL LIVE LOAD (lbs.) | |
| | Up to 50' | Up to 100' |
| 1 | 4,000 | 3,000 |
| 2 | 6,500 | 6,000 |
| 3 | 10,000 | 9,500 |



MODEL "DCE"

Drag Chain Photo Eye Controlled Accumulating Conveyor



- Handles pallets the hard way
- Quiet operation
- Low profile - 12" elevation optional
- Photo eye controlled with built-in time delay

STANDARD SPECIFICATIONS

Frame - 9" x 7 gauge powder painted formed steel channel frames. Sections are bolted together with splice plates and floor supports.

Chain - (2) 60F single pitch conveyor chains, straight side bar, on 36" centers.

Chain Guide - Keystock.

Floor Supports - 24" to top of chain. One support supplied at each end of conveyor and at each bed joint.

Motor - 1 HP 230/460-3-60 TE motor, C-Face. Motor and speed reducer are located underneath conveyor frame.

Speed Reducer - Heavy duty worm gear for C-Faced mounted motor.

Sprockets - Hardened sprockets with 1¹⁵/₁₆" diameter CRS drive shaft.

Bearings - Sealed, pre-lubricated with cast iron housing.

Accumulation Zones - Standard zones are 60" long with a maximum of 20 zones per single drive. Each zone is driven by an air clutch and controlled by a photo eye.

Power Supply - 120VAC power supply controls accumulation feature with 24VDC output. Power supply will control 50 accumulation zones.

Sensing Device - Photo electric sensor in each zone. Detects product presence and activates accumulation feature if downstream zone is occupied.

Speed - 30 FPM constant speed.

Capacity - 15,000 lbs. maximum distributed live load at 30 FPM. Unit (pallet / product) load maximum is 3,000 lbs. for 5' lg. zone. Maximum motor size 3 HP.

OPTIONAL EQUIPMENT

Elevation - 12" minimum (with adjustment to 13") to top of chain, made available by modification. Contact factory.

Accumulation Zones - 48", 54", and 72" long. Frame lengths change with zone lengths. For other zone lengths, contact factory.

Diffused Photo Eyes - To be used when retro-reflective photo eyes can't be used due to product interference.

Motors - Single phase, energy efficient.

Chain Centers - Other chain centers and multiple chains available, 18" minimum chain centers. Contact factory.

Speeds - For speeds greater than 30 FPM, contact factory.

Electrical Controls - Magnetic starters and push button stations; manual motor starters with overload protection, others.

MODEL "DCE"

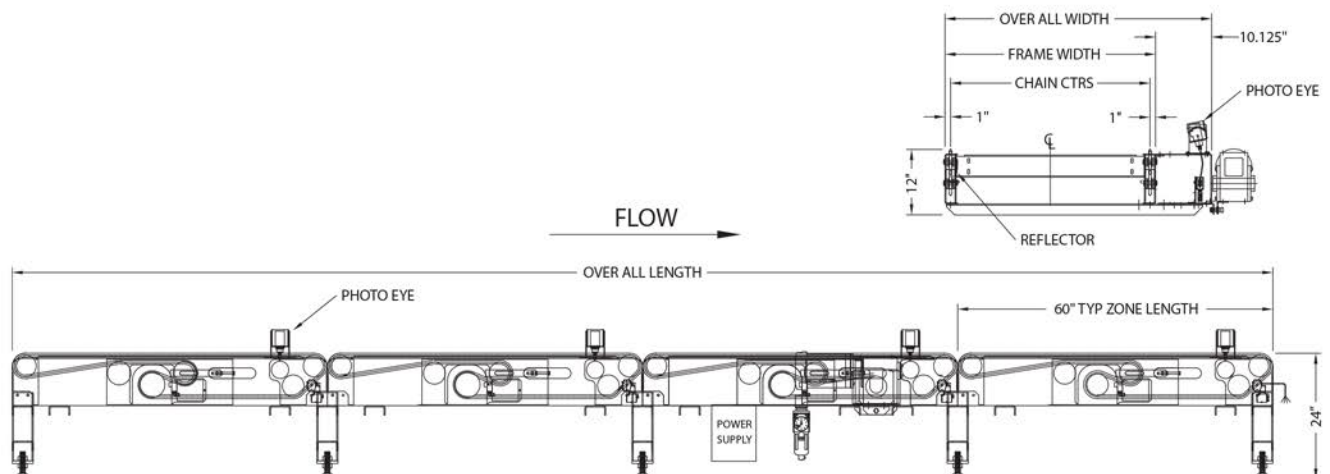
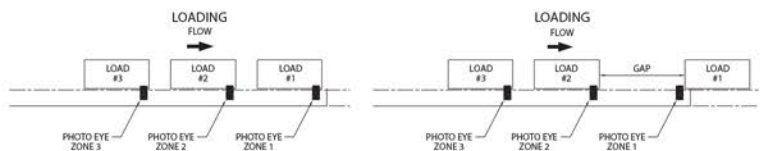
| Overall Length | Frame Width | 20" | 26" | 32" | 38" | 44" | 50" |
|----------------|----------------------|------|------|------|------|------|------|
| | Chain Center | 18" | 24" | 30" | 36" | 42" | 48" |
| 10' | Weights (in lbs.) | 540 | 585 | 630 | 678 | 723 | 768 |
| 15' | | 726 | 790 | 855 | 918 | 983 | 1048 |
| 20' | | 911 | 995 | 1080 | 1158 | 1243 | 1328 |
| 25' | | 1096 | 1200 | 1305 | 1398 | 1503 | 1608 |
| 30' | | 1281 | 1405 | 1530 | 1638 | 1763 | 1888 |
| 35' | | 1466 | 1610 | 1755 | 1878 | 2023 | 2168 |
| 40' | | 1651 | 1815 | 1980 | 2118 | 2283 | 2446 |
| 45' | | 1836 | 2020 | 2205 | 2358 | 2543 | 2728 |
| 50' | | 2021 | 2225 | 2430 | 2598 | 2803 | 3008 |
| 55' | | 2206 | 2430 | 2655 | 2838 | 3063 | 3288 |
| 65' | | 2576 | 2840 | 3105 | 3318 | 3583 | 3848 |
| 75' | | 2946 | 3250 | 3555 | 3798 | 4103 | 4408 |
| 85' | | 3316 | 3660 | 4005 | 4248 | 4623 | 4968 |
| 95' | | 3686 | 4070 | 4455 | 4698 | 5143 | 5528 |
| 105' | | 4056 | 4480 | 4905 | 5148 | 5663 | 6088 |

OPERATIONAL SEQUENCE

- 1) Model "DCE" is loaded at the infeed end of conveyor. The first load travels the entire length of the conveyor to Zone #1. If the photoelectric sensor in Zone #1 has been activated by an external signal (normally open contact, not supplied) the product will stop in Zone #1.
- 2) The second load travels the length of the conveyor until it reaches Zone #2. If Zone #1 is occupied, the second load will stop in Zone #2. Load #3 will stop in Zone #3 and continue to accumulate at "zero pressure" until fully loaded.
- 3) To unload, an external signal (normally open contact, not supplied) to the photoelectric sensor in Zone #1 will release the accumulation feature and allow the product in Zone #1 to leave the conveyor. The load in Zone #2 will not advance into Zone #1 until the load in Zone #1 has completely cleared Zone #1's photoelectric sensor; the third load will not advance into Zone #2 until the second load clears the photoelectric sensor in Zone #2. Once the first load clears the photoelectric sensor in Zone #1, the external signal must be restored to Zone #1's photoelectric sensor for the accumulation process to continue.

Load Capacity Chart

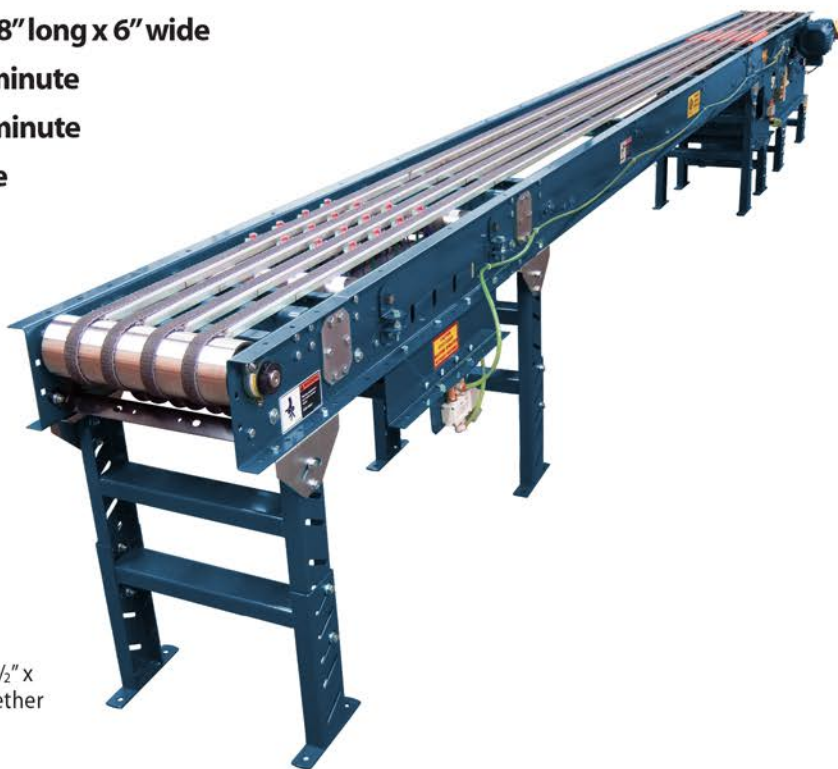
| HP | 30 FPM WITH 2 STRANDS | |
|----|------------------------|------------|
| | TOTAL LIVE LOAD (lbs.) | |
| | Up to 50' | Up to 100' |
| 1 | 6,000 | 4,000 |
| 2 | 10,000 | 8,000 |
| 3 | 14,000 | 12,000 |



MODEL "SBS"

Medium Duty High Speed Split Belt Sorter Conveyor

- Conveys & diverts packages with min. size of 8" long x 6" wide
- Divert packages at right angle up to (50) per minute
- Divert packages at 30 degrees up to (80) per minute
- (4) to (8) split belts, depending on product size
- UHMW belt tracks for positive belt tracking
- Flange mounted gear motor for ease of maintenance & efficiency
- Automatic pneumatic belt take-up
- Handles packages up to 75 lbs
- Belt speed up to 300 FPM
- 60 PSI air requirement



STANDARD SPECIFICATIONS:

Beds - 15", 18", 21", 24" and 27" wide between rails, 7" deep x 1 1/2" x 12 ga. powder painted, formed steel channel frame, bolted together with butt couplings and floor supports.

Belts - APH150 HTS x 15 1/16" wide.

Drive - End Drive with 8" dia. drive pulley.

Filter Regulator - mounted (60 psi air required).

Capacity - Conveys product weighing up to 75 lbs. depending on product type and conveyor speed.

Floor Supports - 31 1/2" to 45 1/2" adjustable from floor to top of roller. One support provided for each end of conveyor and at each bed joint. Other elevations are available.

Conveyor Speed - Standard conveyor speed range is up to 300 FPM.

OPTIONAL EQUIPMENT:

Right Angle Transfer:

- 90 degree roller transfer.
- 18" BF rollers with 1/8" thick orange plastisol covering.
- Rollers to raise & lower by supplied air cylinder.
- 4-way single solenoid.
- 1/2 HP 230/460/3/60 gearmotor.

OPTIONAL EQUIPMENT (cont'd):

- Transfer speed: 300 FPM.
- Drive can be reversed to enable bi-directional transfer.
- Max rate: (50) cpm in one direction.

Wheel Diverters:

- 30 degree divert.
- 1.5" O.D. wheels raise & lower by supplied air cylinder.
- 60 psi air required.
- 4-way single solenoid supplied.
- "Diverter" to be powered by main SBS conveyor drive.
- Diverts in one-direction only: "Left Hand" or "Right Hand".
- Multiple diverters can be used in the SBS and each diverter can be designated for either "Left Hand" or "Right Hand" operation.
- Max rate: (80) cpm.

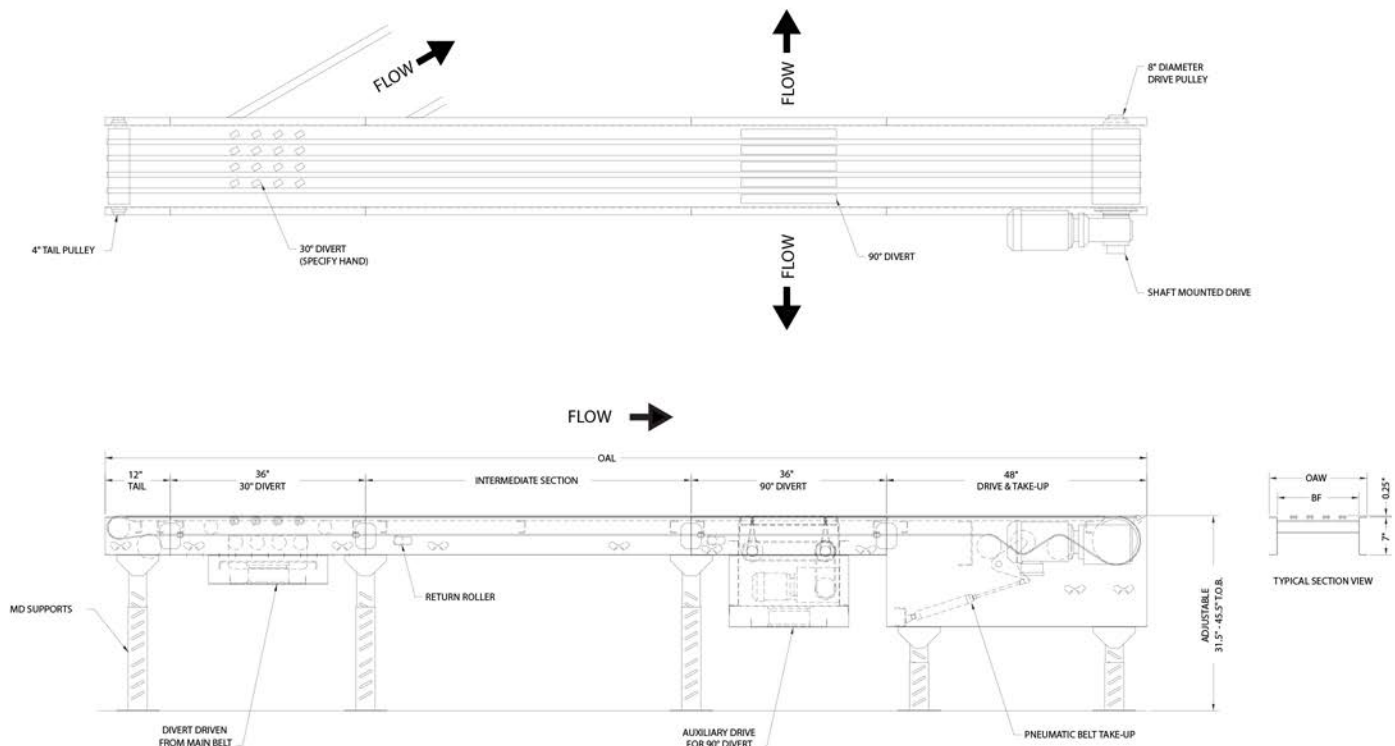
MODEL "SBS"

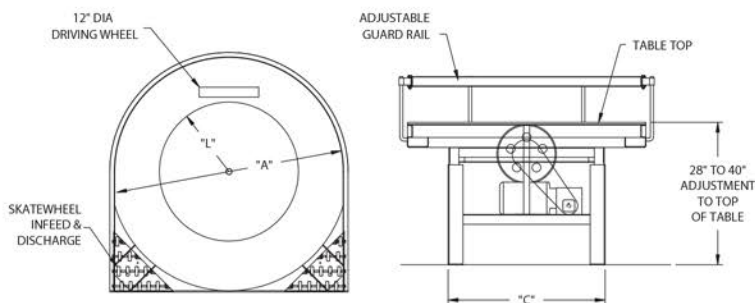
| MODEL SBS - WEIGHTS | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|
| Bed Width | 15" | 18" | 21" | 24" | 27" | 30" |
| Overall Width | 18" | 21" | 24" | 27" | 30" | 33" |
| 10'0" OAL | 547 | 600 | 655 | 710 | 765 | 820 |
| Per Foot | 28 | 33 | 37 | 41 | 45 | 49 |
| 90° Divert | 203 | 219 | 235 | 250 | 266 | 282 |
| 30° Divert | 146 | 161 | 176 | 191 | 206 | 221 |

Load Capacity Chart

300 FPM

| Total Distributed Live Load (Max Length is 150') | | | |
|--|-----|-------|-----------|
| BF | OAW | Belts | Live Load |
| 15" | 18" | 4 | 1200 lbs. |
| 18" | 21" | 5 | 1500 lbs. |
| 21" | 24" | 6 | 1800 lbs. |
| 24" | 27" | 7 | 2100 lbs. |
| 27" | 30" | 8 | 2400 lbs. |





Powered Turntable

The Powered Turntable is used when two parallel conveyor lines must be close together with a 180° turn at one (or both) ends. The turning radius is held to a minimum, less than would be available with gravity or powered curve sections. Turntable Plow and Guard Rails ensure product safety while negotiating 180° turn. Unit is reversible and all bearings are sealed. Table top mean speed is 90 FPM.

Motor - 1/2 HP 230/460V-3-60 TE motor.

Capacity - 500 lbs. total distributed load - maximum unit load - 150 lbs.

Adjustment - 28" to 40" adjustable top of table.

Optional Powered Faced Plow - Rotates with turntable ensuring proper product movement for products that need the extra help negotiating the 180° turn.

| Weight (Lbs.) | "A" | "B" | "C" | Speed L of Plate |
|---------------|-----|-----|---------|------------------|
| 655 | 4' | 51" | 31 1/2" | 90 FPM |
| 825 | 5' | 63" | | |
| 960 | 6' | 75" | | |



251CRR - Powered Turntable

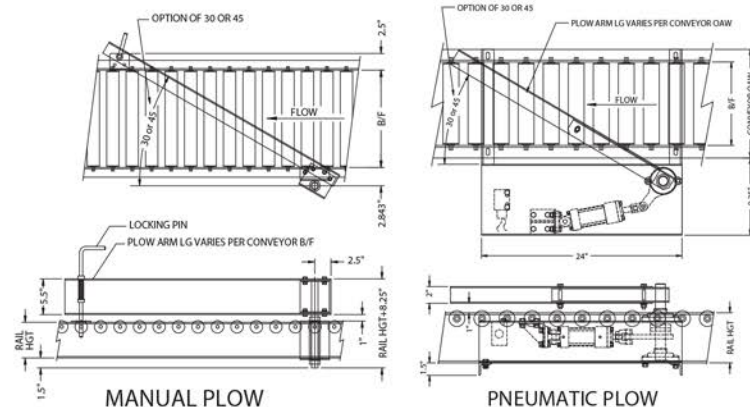
Motor - 3/4 HP 230/460-3-60 TE motor.

Capacity - Model 251CRR chain driven live roller mounted to the top of the table, designed for handling up to 4,000 lb. pallets

Normal Operation - 90 degree or 180 degree indexing

Turntable - Motor driven.

Floor Supports - Heavy duty supports, with minimum elevation of 20" to top of roller



Plows - Manual and Pneumatic

MANUAL AND PNEUMATIC

Plow Arm - 5 1/2" x 2" x 7 gauge

Plow Angle - 30° or 45°

PNEUMATIC ONLY

Air Cylinder - 2" bore double acting 2" stroke for 30° 3" stroke for 45°

Air Requirements - Minimum pressure 60 PSI - max. 100 PSI

Valve - Single solenoid 4 way valve, 1/4" NPT valve ports.

Electrical Requirements: 120V, single phase, 60 Hertz, current draw .07 amps, or 24VDC.

Powered Face Pneumatic - Available - contact factory.

Air Operated Chain Transfer

STANDARD SPECIFICATIONS

Capacity - 2,000 lbs. unit load. (Higher capacities available.)

Chain - Two strands of #60 high single pitch straight side bar roller chain; min. 10" chain centers.

Mounting - Designed to install in standard "251 CRR" frames.

Speed - 30 FPM constant.

Cycles - Up to 4 cycles per minute.

Air Requirements - Min. pressure 60 PSI, max. pressure 125 PSI. Free air consumption @ 60 PSI .035 cu. ft. per cycle.

Electrical requirements - 120V, single phase, 60 Hz. Current draw - .07 amps, or 24VDC.

Motor - $\frac{3}{4}$ HP 230/460-3-60 TEFC motor.

Electrical Controls - None furnished as standard.

INSTALLATION NOTE: To eliminate contaminants in air supply line, a filter regulator, (FR) should be installed prior to valve.



Auto-Sort Air Operated Wheel Diverter

STANDARD SPECIFICATIONS

Capacity - 75 lbs. max. package weight.

Package Size - Min. 6" wide x 9" long, max. 25" wide x 36" long.

Cycles - Up to 40 times per minute.

Speeds - Wheel speed is function of (3 times) conveyor speed. Normally this will be 180 FPM for the wheels, for a 60 FPM standard conveyor speed.

Mounting - Mounts in "190LS" conveyor. Being modular in design, it can be located almost anywhere in length of conveyor. Specify right hand or left hand operation.

Diverting Wheels - Consists of a double row of 3" diameter wheels spaced proportionately across conveyor width. Driven by high capacity poly belts by it's own drive. May also be slave driven- consult factory.

Supports - Minimum elevation 21". Specify height conveyor will be installed.

Air Cylinder - $1\frac{1}{2}$ " bore x 3" stroke double acting.

Air Requirements - Min. pressure 60 PSI, maximum 125 PSI. Free air consumption @ 60 PSI - .018 cu. ft. per cycle.

Valve - Double solenoid 4 way valve. $\frac{1}{8}$ " NPT valve ports.

Electrical requirements - 120V, single phase, 60 Hertz, current draw .07



amps, or 24VDC.

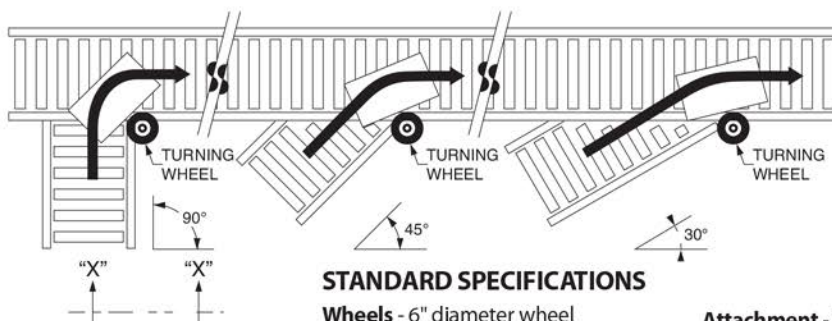
Motor - $\frac{1}{2}$ HP 230/460-3-60 TE motor.

Speed Reducer - Heavy duty worm gear, C-Face.

Electrical Controls - Not furnished as standard equipment.

INSTALLATION NOTE: To eliminate contaminants in air supply line, a filter regulator, (FR) should be installed prior to valve.

Turning Wheel

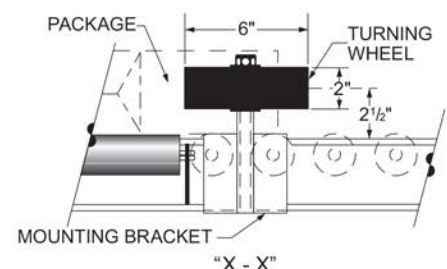


STANDARD SPECIFICATIONS

Wheels - 6" diameter wheel

Shaft - $\frac{5}{8}$ " diameter

Attachment - Brackets for attaching to all conveyors, specify model.



Air Operated Blade/Roller Stop



INSTALLATION NOTE: To eliminate contaminants in air supply line, a filter regulator (FR) should be installed prior to valve.

Air Operated Stops are used where automatic line control is required such as assembly work stations, shipping areas, etc. Can be mounted to underside of models 138SR, 190SR, 20SR, 190CAP, 138CAP, 190ZPA.

STANDARD SPECIFICATIONS

Capacity - Blade -150 lbs., 1 $\frac{3}{8}$ " roller - 50 lbs., 1.9" diameter roller -150 lbs. All are live load capacities @ 60 FPM.

Bearings - High capacity (2) bolt flange bearings.

Stop - 1 $\frac{3}{8}$ " diameter x 18 gauge unplated steel roller for 1 $\frac{3}{8}$ " conveyors. 1.9" diameter x 16 gauge galvanized steel roller for 1.9" x 2.0" conveyors.

Blade - $\frac{1}{4}$ " steel plate.

Position - Supplied normally down. Can be supplied normally up-specify.

Air Cylinder - 1 $\frac{1}{2}$ " bore x 2" stroke double acting air cylinder to raise or lower stop.

Air Requirements - Minimum pressure 60 PSI, maximum 100 PSI. Free air consumption @ 60 PSI - .014 cu. ft. per cycle, @ 100 PSI - .022 cu. ft.

Valve - Single solenoid 4 way valve, spring return, $\frac{1}{8}$ " NPT valve ports.

Electrical requirements - 120V, single phase, 60 Hertz. Current draw - .068 amps, or 24VDC.

Hand Operated Blade/Roller Stop



Hand Operated Stops are used where manual line control is required such as assembly work stations, shipping areas, etc. Can be mounted to underside of Models 138SR, 190SR, 20SR, 190CAP, 138CAP and 190ZPA.

STANDARD SPECIFICATIONS

Capacity - Blade -150 lbs., 1 $\frac{3}{8}$ " diameter roller - 50 lbs., 1.9" diameter roller -150 lbs. All are live load capacities @ 60 FPM.

Bearings - High capacity (2) bolt flange bearings.

Operation - Hand operated lever to raise or lower stop can be used in normally up or down positions.

Blade - 7 gauge formed angle 1" x 1 $\frac{1}{2}$ " for 1 $\frac{3}{8}$ " conveyors - 1 $\frac{1}{2}$ " for 1.9" and 2.0" conveyors.

Roller - 1 $\frac{3}{8}$ " diameter x 18 gauge galvanized steel roller for 1 $\frac{3}{8}$ " conveyors. 1.9" diameter x 16 gauge galvanized steel roller for 1.9" and 2.0" conveyors.

Stroke - 2" above rollers.

Foot Operated Blade/Roller Stop



Foot Operated Stops are used where "hands free" manual line control is required such as assembly work stations, shipping areas, etc. Can be mounted to underside of models 138SR, 190SR, 20SR, 190CAP, 138CAP and 190ZPA.

STANDARD SPECIFICATIONS

Capacity - Blade - 75 lbs., 1 $\frac{3}{8}$ " diameter roller - 50 lbs., 1.9" diameter roller - 150 lbs. All are live load capacities @ 60 FPM

Operation - Foot operated lever to lower stop. Spring return to up position.

Stop - Blade - $\frac{1}{4}$ " steel plate - roller 1 $\frac{3}{8}$ " diameter x 18 gauge galvanized steel roller for 1 $\frac{3}{8}$ " conveyors. 1.9" diameter x 16 gauge galvanized steel roller for 1.9" and 2.0" conveyors.

Position - Supplied normally up. Can be supplied normally down - specify.

Stroke - 1 $\frac{1}{2}$ " above roller.

Traffic Controller

Used to control product flow from two conveyor lines into a converging point. It prevents both lines from feeding into the converging point at the same time. When an item contacts one arm it immediately locks out the opposite arm. When the product is clear, the arm returns to its normal position.

| Arm Length | Conveyor O.A.W. | Model No. |
|------------|-----------------|-----------|
| 12" | 12" | 12-TC |
| 15" | 15" | 15-TC |
| 18" | 18" | 18-TC |
| 22" | 22" | 22-TC |
| 24" | 24" | 24-TC |
| 28" | 28" | 28-TC |
| 30" | 30" | 30-TC |
| 36" | 36" | 36-TC |
| 42" | 42" | 42-TC |



STANDARD SPECIFICATIONS

Capacity - 75 lbs. impact capacity at 60 FPM; 250 lbs. accumulated capacity.

Minimum Weight - 10 lbs. minimum package weight required to operate arms.

Application - Available for 30°, 45°, 90° or 180° operation - specify.

High Speed Push-Off - "MPO-40"

Used for 90° transfers when package specifications allow product to be pushed from side. Can also be used to divert packages from one lane to another in parallel conveyor lanes.

STANDARD SPECIFICATIONS

Capacity - 75 lbs. maximum package weight.

Pusher Face - 24" long.

Pusher Stroke - 20" to 30"

Cycles - Up to 40 times per minute, up to 24" stroke only, @ 80 PSI

Air Cylinder - 2" bore double acting, automatic return, with jam protection

Air Requirements - Minimum pressure 60 PSI; maximum 125 PSI. Free air consumption @ 60 PSI - .235 cu. ft. per cycle for 20" stroke, .355 cu. ft. for 30" stroke.

Valve - Double solenoid 4 way, automatic return valve, 3/8" NPT valve ports; filter-regulator included.

Electrical requirements - 120V, single phase, 60 Hertz. Current draw, .07 amps.

Electrical Controls - PLC included



Guard Rails

SOLID STEEL GUARDS

Mounts to side of conveyor bed sections. Guard heights above belt: 2.5", 3.5", 4.5", 6.125", 9.125", 10", and 12.5", 12 gauge galvanized or powder painted steel.

ANGLE GUARDS

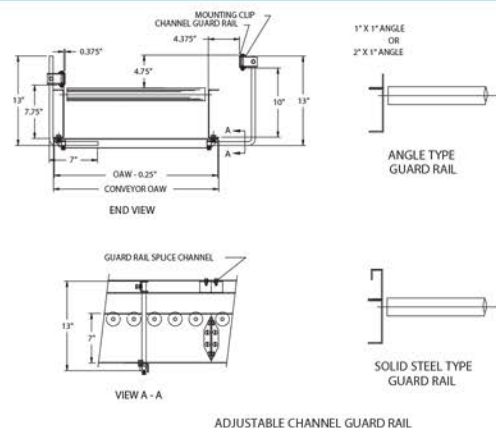
Sizes - 1" x 1" or 2" x 1". Mounts easily to top flange of conveyor frame.

Applications - Available for gravity or powered conveyors with 1" or 1 1/2" wide channel flanges.

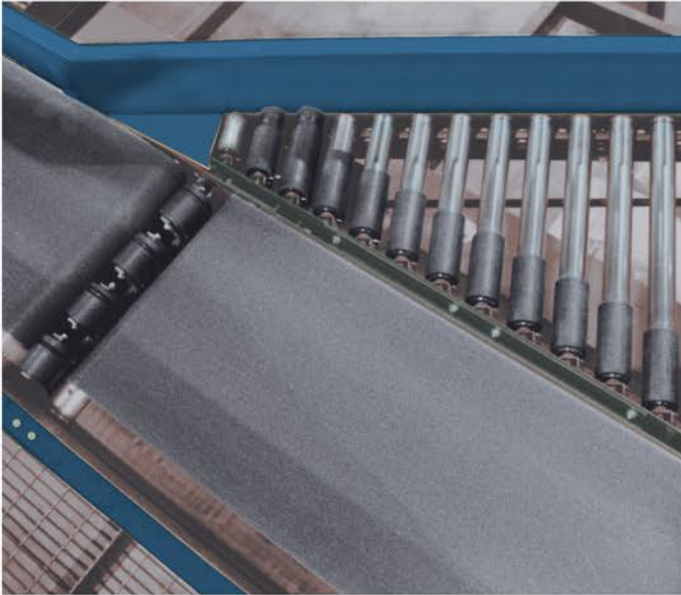
Angle guards - 12 gauge galvanized steel.

ADJUSTABLE CHANNEL

Aluminum or steel. Use with powered and gravity conveyors. 5/8" steel rods provide vertical and horizontal adjustment. Available for straight conveyors, curves and spurs. Continuous (system type) or standard flared ends available. (Specify)



Powered Belt Curve - Now available. Contact factory for more information.



LOOK AT THE FEATURES AND CAPABILITIES OF THIS CONVEYOR:

FACTS ABOUT THE SORTER

There is virtually no limit to the length of the sorter. Units up to 500 feet long with as many as 30 diverts have been successfully built and installed. By using multiple "helper drives," the sort system becomes very flexible and can meet most user requirements. It can either sort "left" or "right" or it can be designed to sort both "left" and "right" (both sides). Recommended conveyor speeds are 200 FPM minimum to 300 FPM maximum. At 300 FPM, 16" long packages can be sorted at a rate of 80 per minute.

MINIMAL PRODUCT LIMITATIONS

Package weights can range from a minimum of 3 pounds up to a maximum of 100 pounds. Package weight distribution (center of gravity) is more critical to a successful divert than the total weight of the product. Package sizes can be as short as 10" up to a maximum length of 72". Maximum product length is determined by the divert spur width and the divert spur radius. Minimum gap between products is 9", depending upon the response time of the sortation control system.

ABOUT THE DIVERTER

The diverter is modular in design and can be installed at desired intervals as close as 3 feet centers minimum, up to any desired spacing. It utilizes a 3" long driven urethane coated roller, that on demand, rises $\frac{1}{4}$ "

to $\frac{3}{8}$ " and skews 30 degrees to divert the package. When in the down position, these rollers act as a bridge to stabilize small packages. Required air pressure is 40 PSI minimum, to 60 PSI maximum.

BELT TAKE-UP

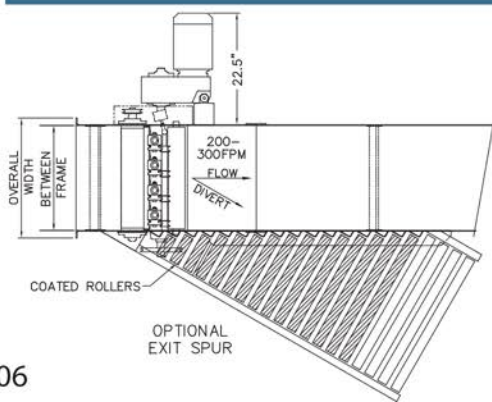
A mechanical (screw type) take-up is supplied when no more than two diverters are required. With three or more diverters, an air take-up is supplied to automatically maintain proper belt tension.

INDUCTION SYSTEM

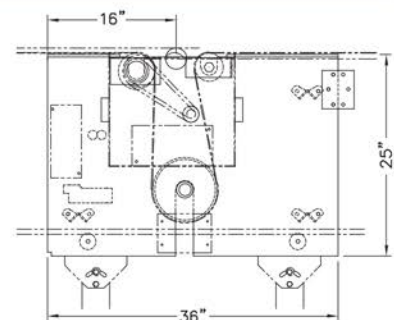
Although it's not necessarily a part of the sortation conveyor, the induction conveyor plays a key roll in the success of the diverting system. ACSI can supply the right equipment to ensure products are merged properly to traverse the sortation line.

HORSEPOWER REQUIREMENTS

In determining horsepower, product live load and diverter horsepower requirements are the deciding factors. Each diverter requires $\frac{1}{2}$ HP.

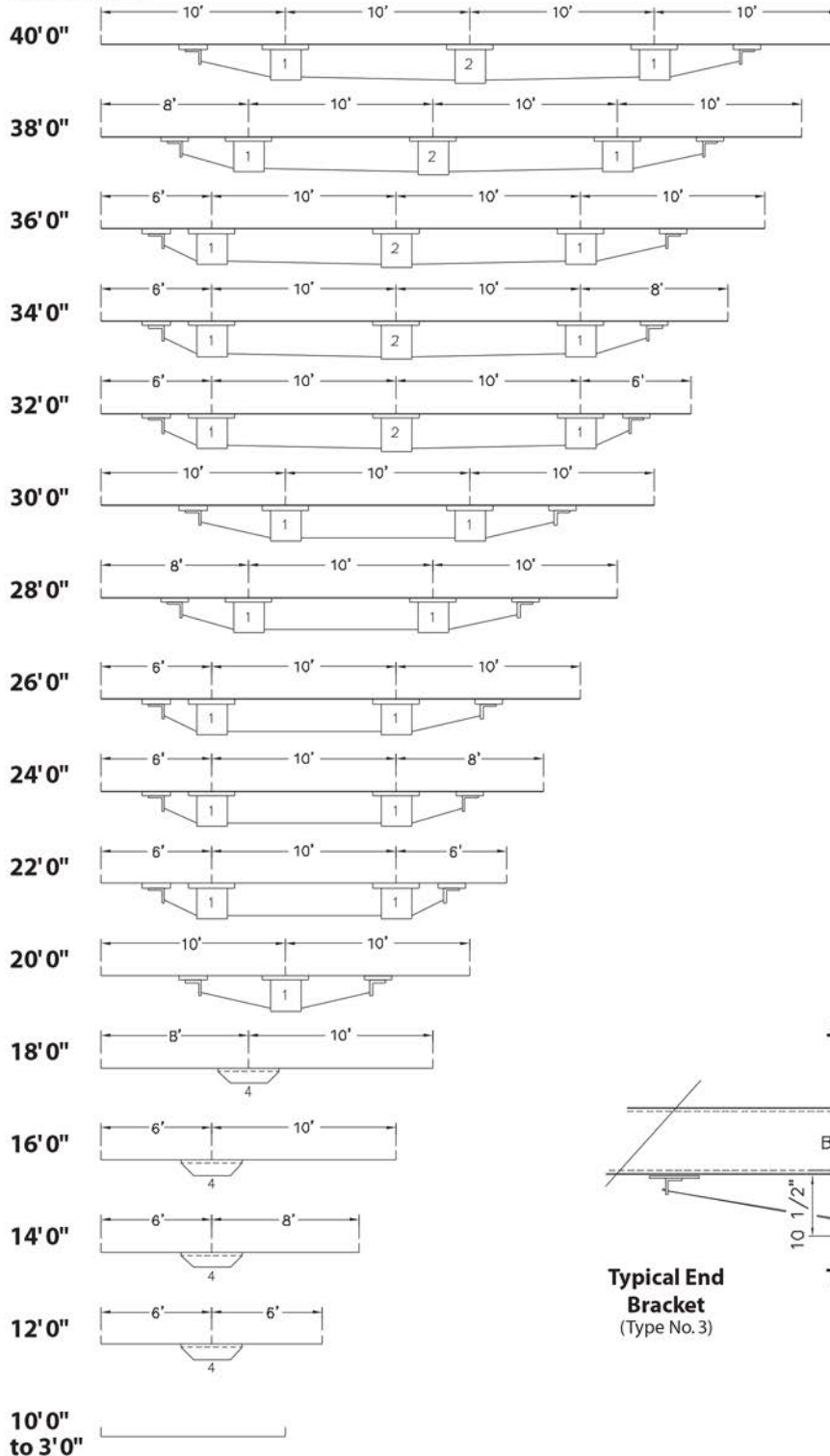


- Standard belt widths: 15", 21", 27", 33" and 39"
- Spur discharge conveyor with urethane covered rollers is slave driven by sorter
- Maximum motor: 5 HP for every 6 sorts
- Gentle sort based on dynamics of design
- Standard sort module is 36" OAL
- Alignment rollers at induction end
- All pulleys are machine crowned
- All rollers have precision bearings



Bed & Undertrussing Chart

BED LENGTH



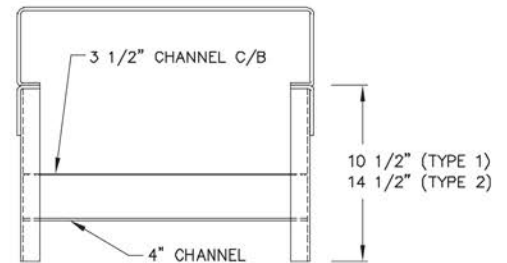
ROD SIZES

Type "A" - 50" long - $\frac{5}{8}$ " diameter

Type "B" - 62" long - $\frac{5}{8}$ " diameter

Type "C" - 119" long - $\frac{5}{8}$ " diameter

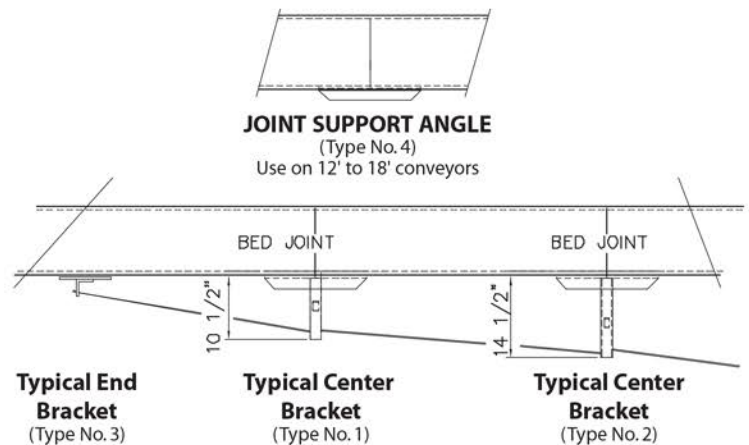
NOTE: For center drive use Type No.2 Center Bracket on both sides of drive.



JOINT SUPPORT ANGLE

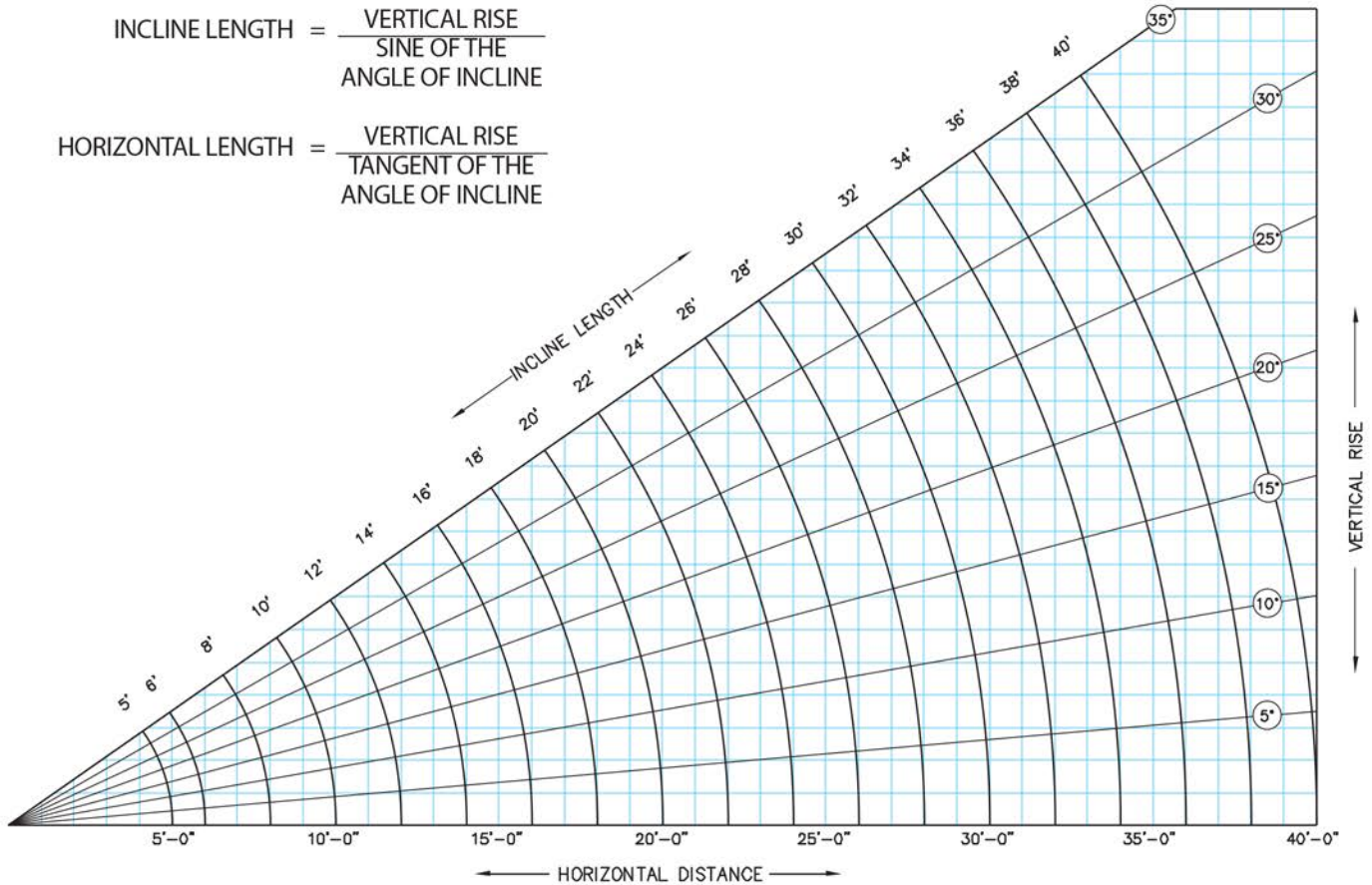
(Type No. 4)

Use on 12' to 18' conveyors



$$\text{INCLINE LENGTH} = \frac{\text{VERTICAL RISE}}{\text{SINE OF THE ANGLE OF INCLINE}}$$

$$\text{HORIZONTAL LENGTH} = \frac{\text{VERTICAL RISE}}{\text{TANGENT OF THE ANGLE OF INCLINE}}$$



| Angle | Sine | Tangent | Angle | Sine | Tangent | Angle | Sine | Tangent |
|-------|------|---------|-------|------|---------|-------|------|---------|
| 1° | .02 | .02 | 11° | .19 | .20 | 21° | .36 | .38 |
| 2° | .03 | .03 | 12° | .21 | .21 | 22° | .37 | .40 |
| 3° | .05 | .05 | 13° | .23 | .23 | 23° | .39 | .42 |
| 4° | .07 | .07 | 14° | .24 | .25 | 24° | .41 | .45 |
| 5° | .09 | .09 | 15° | .26 | .27 | 25° | .42 | .47 |
| 6° | .10 | .11 | 16° | .28 | .29 | 26° | .44 | .49 |
| 7° | .12 | .12 | 17° | .29 | .31 | 27° | .45 | .51 |
| 8° | .14 | .14 | 18° | .31 | .32 | 28° | .47 | .53 |
| 9° | .16 | .16 | 19° | .33 | .34 | 29° | .48 | .55 |
| 10° | .17 | .17 | 20° | .34 | .36 | 30° | .50 | .58 |

Horsepower Calculation



BELT PULL AND HORSEPOWER CALCULATIONS

I. LIVE LOAD ON THE CONVEYOR:

- A. Horizontal Conveyor: Summation of total load being conveyed.
- B. Incline Conveyor: Live load on incline portion multiplied by the sine of the angle of incline. (See "Net Lift Chart").

II. BELT OR CHAIN WEIGHT:

- A. Belt Driven Conveyor: Belt weight from chart below multiplied by the width of the belt multiplied by the length of the conveyor for the weight of both the carrying belt and the return belt.

| Type of Belt | Weight per Lineal Foot of Conveyor per Inch of Belt Width |
|----------------|---|
| 3 Ply FS x FS | .1 Pound |
| 3 Ply Ruff Top | .25 Pounds |
| 3 Ply Neoprene | .125 Pounds |

- B. Chain Driven Conveyor: Chain weight from chart below multiplied by conveyor length.

| Conveyor Model | Chain Type | Weight per Lineal Foot of Conveyor |
|----------------|------------|------------------------------------|
| 22CRR | #50 | 1.38 Pounds |
| 251-267CRR | #50 | 3.0 Pounds |
| 251-267CRR | #60 | 3.52 Pounds |
| Slat Conveyor | SR196 | 26.4 Pounds |

- III. A. **Roller Weight:** See Chart below
- B. **Slat Weight:** 1.95 pounds per lineal foot of conveyor per inch of slat width.

IV. ADDITIONAL FACTORS:

- A. Feeder Beds: 10% of the live load on the feeder bed.
- B. Stopped product on running conveyor (case stop, traffic controller, etc.): 10% of the stopped product.
- C. Deflectors and Plows: 33% of the heaviest unit load.

V. COEFFICIENT OF FRICTION:

| | |
|--------------------------|------|
| Slider Bed | .30 |
| Belt on Roller | .05 |
| Belt Driven Live Roller | .10 |
| Chain Driven Live Roller | .075 |
| Slat Conveyor | .15 |

Belt Pull Calculation: Summation of items I thru IV multiplied by item V.

$$\text{Belt Pull} = [(1A + II + III + IV) \times V] + 1B$$

VI. EFFECTIVE BELT PULL:

Belt pull from item V multiplied by 1.25 equals effective belt pull.

VII. DRIVE TRAIN EFFICIENCY FACTORS:

- A. Gear Reduction: 100 minus one half of the ratio of each step of reduction.

Example: Single Reduction 30: 1 Reduction
 $100 - 30/2 = 85\%$ efficient.

Double Reduction 800: 1 Reduction
 $100 - 40/2 - 20/2 = 70\%$ efficient.

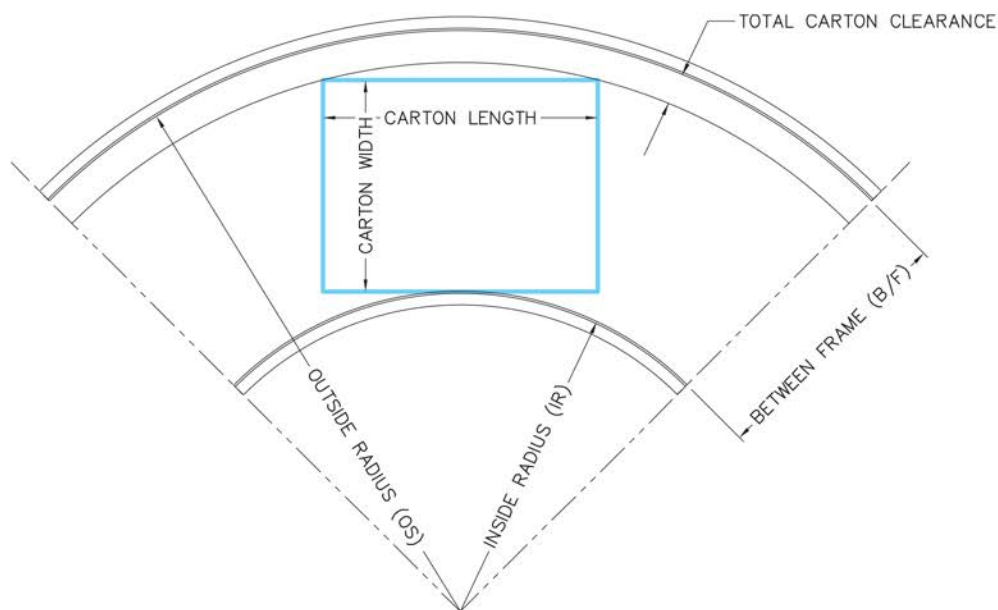
- B. Chain Reduction: 95% efficient.

Horsepower Calculation: Effective belt pull times speed in feet per minute divided by 33,000 divided by the gear reduction efficiency factor divided by the chain reduction efficiency factor.

$$\text{Horsepower} = \frac{\text{Effective Belt Pull} \times \text{Speed in F.P.M.}}{33,000 \times (VII.A) \times .95}$$

ROLLER WEIGHT CHART

| ROLLER DESCRIPTION | | | WEIGHT PER BETWEEN FRAME DIMENSION | | | | | | | | |
|--------------------|----------|------|------------------------------------|------|------|------|------|------|------|------|------|
| Cat.No. | Diameter | Gage | 11" | 15" | 19" | 21" | 23" | 27" | 31" | 33" | 39" |
| 190SR | 1.9 | 16 | 2.2 | 2.7 | 3.3 | 3.6 | 3.8 | 4.4 | 4.9 | 5.2 | 6.1 |
| 20SR | 2.0 | 12 | 3.4 | 4.5 | 5.6 | 6.1 | 6.6 | 7.7 | 8.8 | 9.4 | 11.0 |
| 199SR | 1.9 | 9 | 3.4 | 4.5 | 5.6 | 6.1 | 6.6 | 7.7 | 8.8 | 9.4 | 11.0 |
| 254SR | 2.5 | 14 | 3.0 | 3.9 | 4.8 | 5.3 | 5.7 | 6.6 | 7.5 | 8.0 | 9.3 |
| 251SR | 2.5 | 11 | 5.6 | 7.1 | 8.5 | 8.9 | 9.3 | 11.5 | 12.9 | 13.6 | 15.7 |
| 267SR | 2.63 | 7 | 6.7 | 8.7 | 10.8 | 11.8 | 12.8 | 14.9 | 16.9 | 17.9 | 21.0 |
| 350SR | 3.5 | .30" | 14.9 | 19.6 | 24.3 | 26.7 | 29.0 | 33.7 | 38.4 | 40.8 | 47.8 |



CURVE SIZING FORMULA AND CHART

Use of the Pythagorean Theorem to determine the between frame (BF) dimension of curved conveyor sections relative to carton size:

$$BF = \sqrt{\left[\frac{\text{carton length}}{2}\right]^2 + [\text{carton width} + \text{inside radius}]^2} + \text{carton clearance} - \text{inside radius}$$

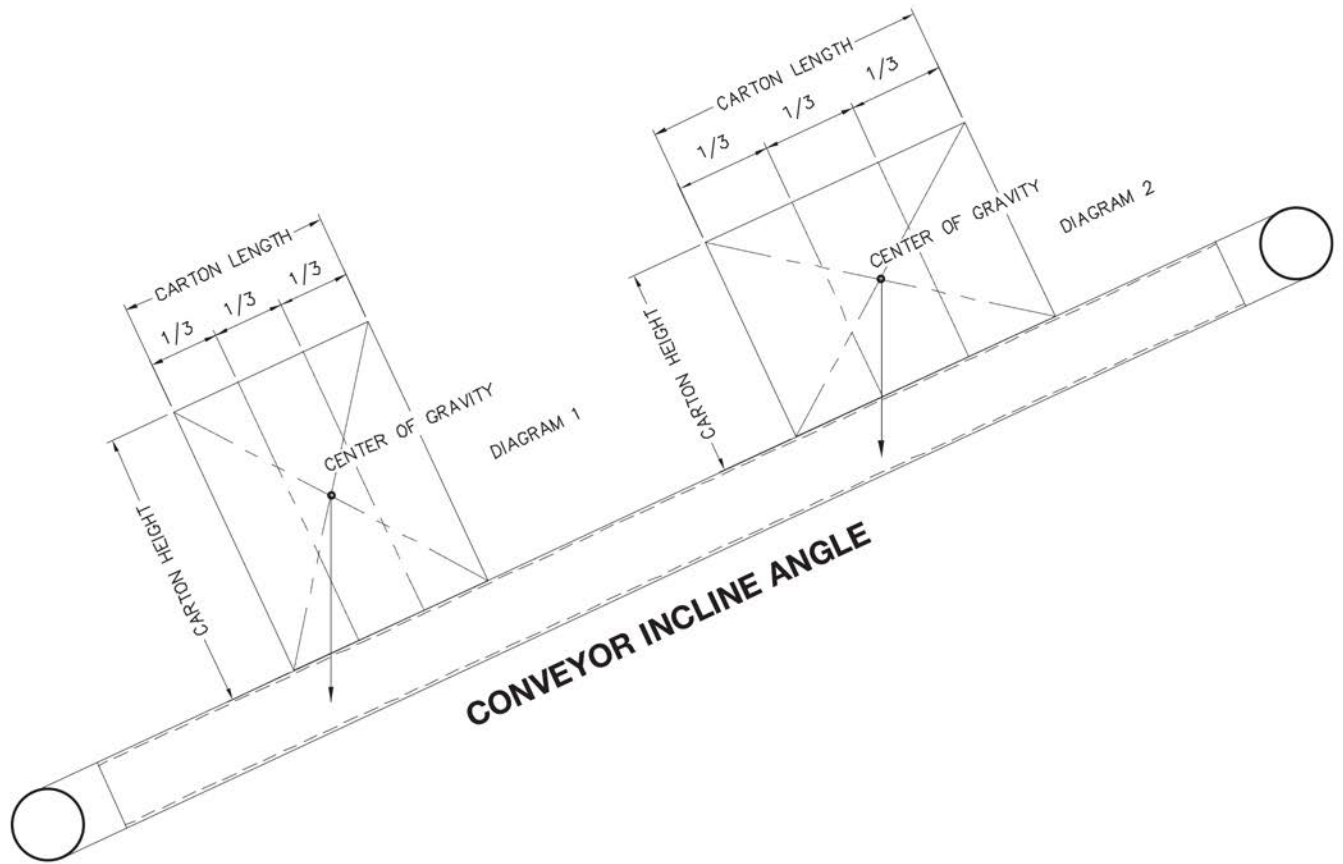
BF REQUIRED FOR CURVES HAVING 2' 8 1/2" RADIUS & SMALLER

| Package Length | Package Width | | | | | | | | | | | |
|----------------|---------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 4" | 8" | 12" | 16" | 20" | 24" | 28" | 32" | 36" | 40" | 44" | 48" |
| 4" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 8" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 12" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 16" | 7 | 11 | 15 | 19 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 20" | 8 | 12 | 15 | 19 | 23 | 27 | 31 | 35 | 38 | 42 | 46 | 50 |
| 24" | 9 | 12 | 16 | 20 | 23 | 27 | 31 | 35 | 39 | 43 | 47 | 51 |
| 28" | 10 | 13 | 17 | 20 | 24 | 28 | 32 | 36 | 39 | 43 | 47 | 51 |
| 32" | 11 | 14 | 18 | 21 | 25 | 29 | 32 | 36 | 40 | 44 | 48 | 51 |

BF REQUIRED FOR CURVES HAVING 3' 7 9/16" RADIUS & LARGER

| Package Length | Package Width | | | | | | | | | | | |
|----------------|---------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 4" | 8" | 12" | 16" | 20" | 24" | 28" | 32" | 36" | 40" | 44" | 48" |
| 4" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 8" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 12" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 16" | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 20" | 7 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |
| 24" | 7 | 11 | 15 | 19 | 23 | 27 | 31 | 34 | 38 | 42 | 46 | 50 |
| 28" | 8 | 11 | 15 | 19 | 23 | 27 | 31 | 35 | 39 | 43 | 47 | 51 |
| 32" | 8 | 12 | 16 | 20 | 24 | 27 | 31 | 35 | 39 | 43 | 47 | 51 |
| 36" | 9 | 13 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 43 | 47 | 51 |
| 40" | 10 | 13 | 17 | 21 | 25 | 28 | 32 | 36 | 40 | 44 | 48 | 52 |
| 44" | 10 | 14 | 18 | 22 | 25 | 29 | 33 | 37 | 41 | 44 | 48 | 52 |
| 48" | 11 | 15 | 19 | 22 | 26 | 30 | 33 | 37 | 41 | 45 | 49 | 53 |
| 52" | 12 | 16 | 19 | 23 | 27 | 30 | 34 | 38 | 42 | 46 | 49 | 53 |
| 56" | 13 | 17 | 20 | 24 | 27 | 31 | 35 | 39 | 42 | 46 | 50 | 54 |
| 60" | 14 | 18 | 21 | 25 | 28 | 32 | 36 | 39 | 43 | 47 | 51 | 54 |
| 64" | 15 | 19 | 22 | 26 | 29 | 33 | 36 | 40 | 44 | 47 | 51 | 55 |

Box Tumbling Diagram



DETERMINING FACTORS ON BOX TUMBLING:

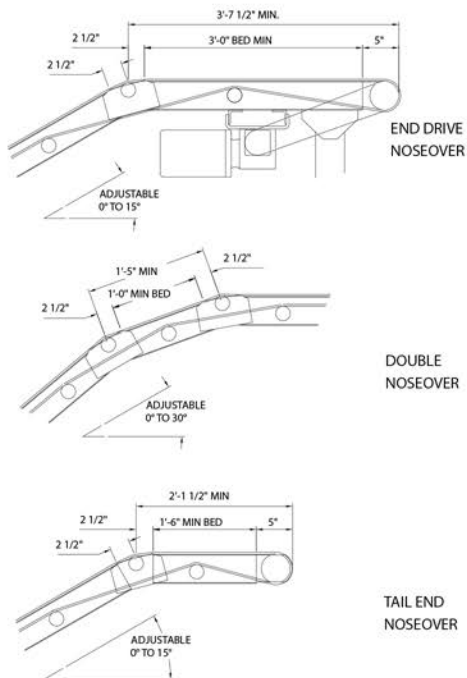
1. Draw conveyor angle of incline.
2. Draw box size on conveyor.
3. Draw diagonal lines to find center of box.
4. Divide lower portion of box into thirds.
5. Draw vertical line as shown
6. If vertical line falls within the lower third (See Diagram #1) the box may tumble depending on weight distribution.
7. If vertical line falls within the upper two thirds (See Diagram #2) the box will not tumble.

General guideline rate of fall chart for flow on gravity roller conveyor. Exact rate of fall should be determined at time of installation with actual product to be conveyed.

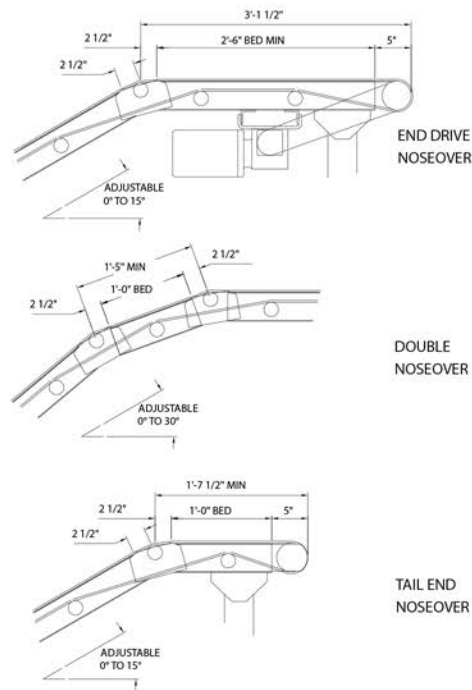
GRAVITY ROLLER RATE OF FALL CHART

| Product with Conveyable Underside Surface | Weight Range in Pounds | Fall in 10'0" |
|---|------------------------|---------------|
| Cartons | 1 to 5 | 8" to 9" |
| Cartons | 5 to 15 | 7" to 8" |
| Cartons | 15 to 50 | 6" to 7" |
| Cartons | 50 to 75 | 5" to 6" |
| Wood Boxes | 20 to 50 | 5" to 6" |
| Wood Boxes | 50 to 150 | 4" to 5" |
| Wood Boxes | 150 to 200 | 3" to 4" |
| Steel Tote Bins | 15 to 50 | 3" to 4" |

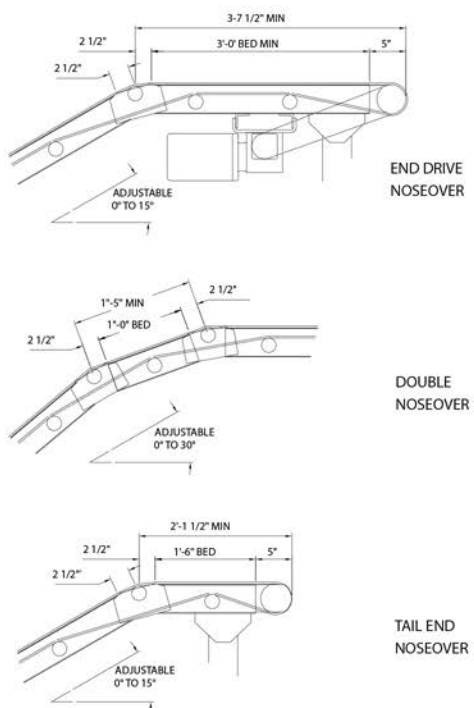
190RB NOSEOVER



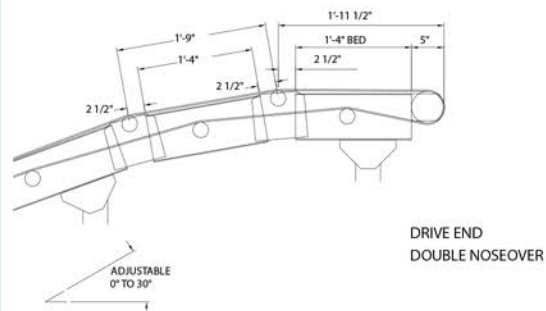
LPB NOSEOVER



TSB NOSEOVER



FTC & HPB NOSEOVER



Application Data Sheet



OPERATIONAL DATA

PO# _____

Environment:

- ☐ Normal ☐ Dirty/Dusty
☐ Washdown ☐ Oily
☐ Clean Room Class
☐ Other

Hours of Operation:

Hrs./Day _____ Days/Week _____

Average Rate:

per Minute: _____

per Hour: _____

Maximum Rate:

per Minute: _____

per Hour: _____

Conveyor Speed: _____ FPM

- ☐ Constant ☐ Variable speed
☐ Reversing

Total live load on conveyor:

lbs.: _____
or lbs./ft: _____

Electric Motor Voltage & Enclosure:

Volts/Ph/Cycles: _____
☐ TEFC ☐ Washdown ☐ DC
☐ Inverter Duty ☐ EX.PR.

Control Operating Voltage:

☐ AC ☐ DC Volts: _____

Control Class of Service:

☐ Gen Purpose NEMA1

☐ Other: _____

Special Brand Equipment:

(Customer Specification - No Substitutes)

- ☐ Motors _____ Describe _____
☐ Reducers _____
☐ Solenoids _____
☐ Bearings _____
☐ Belt _____
☐ Paint _____
☐ Other _____

Plant Air Available ☐ No ☐ Yes _____ PSI

Date: _____

Distributor: _____

Salesman: _____

Phone: _____

PRODUCT INFORMATION

Product to be Conveyed: ☐ Box ☐ Pallet ☐ Drum

- ☐ Wire Basket
☐ Other

Product Size:

Min Max Avg

Length: _____

Width: _____

Height: _____

Weight: _____

Description of Product:

Product Bottom: ☐ Smooth ☐ Hard ☐ Firm

☐ Soft ☐ Flat ☐ Solid ☐ Picture frame

☐ Slats ☐ Wood ☐ Corrugated ☐ Metal

☐ Plastic

☐ Other:

Product Sides:

☐ Vertical ☐ Tapered

☐ Lip at top (Protrusions) (Supply sketch)

Product Orientation In Direction of Travel:

☐ Length ☐ Width

ENGINEERING INFORMATION

Are layout drawings available? ☐ Yes ☐ No

Are they being provided? ☐ Yes ☐ No

Are **Approval Drawings** required? ☐ Yes ☐ No

Is product testing required? ☐ Yes ☐ No

If so, is customer supplying test product? ☐ Yes ☐ No

Testing Requirements:

Special Notes:

Order Entry Form

To avoid delays and changes when processing your order, this order form should be filled out completely.

Distributor Name: _____ Ship to: _____
 P.O. Number: _____
 Conveyor Mark: _____ Routing: _____
 Quote #: _____
 Today's Date: _____ Collect ☐ Prepaid ☐ UPS ☐ Third Party ☐

| Qty. | Model | Length (OAL) | BF | C/S | OAW | Roller Ctrs. | Belt Width/Type | Speed FPM | Base Price |
|--|-------|--------------|----|-----|-----|--------------|-----------------|-----------|------------|
| Motor _____ HP _____ / _____ / _____ TE _____ INV. DUTY _____ EXPR _____ | | | | | | | | | |
| Elevation: Infeed _____ Discharge _____ Casters _____ Knee Braces _____ | | | | | | | | | |
| Drive Type: <input type="checkbox"/> Center <input type="checkbox"/> End <input type="checkbox"/> Overhead <input type="checkbox"/> Side Mount <input type="checkbox"/> Floor Mount <input type="checkbox"/> Timing Belt Drive <input type="checkbox"/> Chain Drive | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> Drive Pulley: <input type="checkbox"/> 4" Diameter <input type="checkbox"/> 6" Diameter <input type="checkbox"/> 8" Diameter <input type="checkbox"/> 12" Diameter </div> <div> Tail Pulley: <input type="checkbox"/> 4" Diameter <input type="checkbox"/> 6" Diameter <input type="checkbox"/> 8" Diameter </div> </div> | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> Drive Shaft: <input type="checkbox"/> 1 3/16" Diameter <input type="checkbox"/> 1 7/16" Diameter <input type="checkbox"/> 1 15/16" Diameter </div> <div> Tail Shaft: <input type="checkbox"/> 1 3/16" Diameter <input type="checkbox"/> 1 7/16" Diameter <input type="checkbox"/> 1 15/16" Diameter </div> </div> | | | | | | | | | |
| Guard Rails: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Adj. Channel <input type="checkbox"/> Solid Type <input type="checkbox"/> Channel Type </div> <div> <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Angle </div> <div> <input type="checkbox"/> For Bed Length Only <input type="checkbox"/> To Extend Over Pulleys Height of Non-Adj. Guard Rail: _____ </div> </div> | | | | | | | | | |
| Feeder: <input type="checkbox"/> Integral <input type="checkbox"/> Chain Feeder Length _____ Elevations _____ | | | | | | | | | |
| <input type="checkbox"/> Double Noseover <input type="checkbox"/> Single Noseover <input type="checkbox"/> Located as standard Other Location: _____ | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> Motor Starters: <input type="checkbox"/> Manual (Start/Stop Only) <input type="checkbox"/> Mounted/Wired <input type="checkbox"/> One Direction (Magnetic) <input type="checkbox"/> Not Mounted/Wired <input type="checkbox"/> Reversing (Magnetic) Motor Voltage: _____ Control Operating Voltage: _____ </div> <div> Push Buttons: (For Magnetic Starters) <input type="checkbox"/> Start/Stop <input type="checkbox"/> Up/Down/Stop <input type="checkbox"/> For/Rev/Stop </div> </div> | | | | | | | | | |
| Paint (standard powder coat colors): <input type="checkbox"/> Green <input type="checkbox"/> Gray <input type="checkbox"/> White <input type="checkbox"/> Dark Blue <input type="checkbox"/> Tan <input type="checkbox"/> Black Special Paint: _____ | | | | | | | | | |

Warranty



Aegis Warranty

Aegis Sortation, warrants its products to be free of defects in materials and workmanship for a period of one year from the date of shipment or 2080 operating hours, whichever occurs first.

Aegis, will repair or replace, at Aegis's option, F.O.B. West Memphis, AR, any part providing defective according to the terms of this warranty. Aegis must be notified in writing of the claimed defect, including a description of the part, a description of the defect and date defect was discovered. Aegis reserves the right to inspect said defect at purchaser's installation site or to have said defective part or parts returned to Aegis via commercial freight carrier for inspection. Installation expense and any other expense associated with the removal of claimed defective part shall be borne by purchaser and Aegis's liability is extended only to furnishing said part or parts.

Aegis is not liable for incidental or consequential damages, such as loss of profit, delays or expenses incurred by failure of said part or parts or for failure of equipment to comply with any federal, state, or local laws.

Failure due to abuse, negligence, accident, improper repair, improper maintenance, incorrect adjustments, exposure to a corrosive or abrasive environment, operation under any degree of moisture or alteration/modification to the equipment without Aegis's written authorization, does not constitute failure due to defects in workmanship or materials.

Component parts not manufactured by Aegis (i.e.: motors, gears, reducers, etc) will be repaired or replaced at the option of the manufacturer. Contact the nearest authorized service center for those warranty claims. the warranty as specifically set forth here-in shall be purchaser's exclusive warranty and is hereby provided by Aegis in lieu of any and all other warranties, actual or implied.

NOTE: ANY COMPONENT PART (OR PARTS) NOT MANUFACTURED BY AEGIS THAT HAS (HAVE) BEEN TAMPERED WITH PRIOR TO INSPECTION BY THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE, SHALL BE DEEMED FREE OF ALL WARRANTY CLAIMS.

**AEGIS SORTATION
LOUISVILLE, KENTUCKY**