



Hytrol Catalog



Drag Chain

DC-62	Transport	1.1-1
DC-63	Transport	1.2-1
DC-82	Transport	1.3-1
DC-83	Transport	1.4-1
DCEZ-62	Accumulation	1.5-1
DCEZ-63	Accumulation	1.6-1
DCEZ-82	Accumulation	1.7-1
DCEZ-83	Accumulation	1.8-1
DCEZD-62	Accumulation	1.9-1
DCEZD-63	Accumulation	1.10-1
DCEZD-82	Accumulation	1.11-1
DCEZD-83	Accumulation	1.12-1

Belt-Over

TA	Slider Bed	2.1-1
Gapper-D	Slider Bed	2.2-1
Gapper-O	Slider Bed	2.3-1
SB	Slider Bed	2.4-1
SBI	Slider Bed	2.5-1
TH	Slider Bed	2.6-1
TL	Slider Bed	2.7-1
TR	Slider Bed	2.8-1
C	Slider Bed	2.9-1
RB	Roller Bed	2.10-1
RBI	Roller Bed	2.11-1
CRB	Roller Bed	2.12-1
25-RBM	Roller Bed	2.13-1
SBC	Curve	2.14-1
TW	Wire Mesh Belt	2.15-1
SL	Horizontal Slat Belt	2.16-1

Parcel

HSS	Transport	3.1-1
HSS-HD	Transport	3.2-1
BPC	Transport	3.3-1

Modular Belt

ALT1000	Light-Duty Aluminum	4.1-1
ProSort SS	Sweep Sorter	4.2-1
PSB	Med-Duty Steel	4.3-1
PSBC	Med-Duty Steel	4.4-1
PLEZD	Heavy-Duty Pallet	4.5-1

Portable

A	Narrow Belt	5.1-1
R	Booster Belt	5.2-1
PC	Booster Belt	5.3-1
PCX	Low-Profile Parts	5.4-1
B	Cleated	5.5-1
BL	Booster Belt	5.6-1
PCH	Piano Hinge	5.7-1
PCA	Light-Duty Belt	5.8-1
BA	Booster Belt	5.9-1

Gravity

SWC/AWC	Skatewheel Curve	6.1-1
SWS/AWS	Skatewheel Spur	6.2-1
3SW/3AW	Skatewheel Straight	6.3-1
FX 220/226	Heavy-Duty Skatewheel	6.4-1
Rails	Skatewheel	6.5-1
36-SR	Heavy-Duty Roller	6.6-1
19GSR/199SR	Med-Duty Roller	6.7-1
SSR/SAR	Light-Duty Roller	6.8-1
25/26SR	Heavy-Duty Roller	6.9-1
25/26SRS	Heavy-Duty Roller Spur	6.10-1
19GSRS/		
199SRS	Med-Duty Roller Spur	6.11-1
25/26SRC	Heavy-Duty Roller Curve	6.12-1
199SRC	Med-Duty Roller Curve	6.13-1
19GSRC	Heavy-Duty Roller Curve	6.14-1
25SRCT	Tapered Roller Curve	6.15-1
SSRC/SARC/		
SSRCT	Straight/Tapered Roller Curve	6.16-1
19GRSCT	Tapered Roller Curve	6.17-1

Chain Driven

199-CRR	Live Roller	7.1-1
199-CRRC.....	Live Roller Curve	7.2-1
25-CRR	Live Roller	7.3-1
26-CRR	Live Roller	7.4-1
25/26-CRRC....	Live Roller Curve	7.5-1
25-CRRCT	Heavy-Duty Roller Curve	7.6-1
36-CRRH.....	Heavy-Duty Straight	7.7-1
199-CREZD	Med-Duty Accumulating	7.8-1
25-CREZD	Heavy-Duty Accumulating	7.9-1
36-CREZD	Heavy-Duty Accumulating	7.10-1
199-CRE24EZ.	24VDC Accumulating	7.11-1
25-CRE24EZ ...	24VDC Accumulating	7.12-1

Poly-V Belt

199-PVR	Live Roller	8.1-1
25-PVR.....	Live Roller	8.2-1
199-PVEZD	Med-Duty Accumulating	8.3-1
25-PVEZD	Heavy-Duty Accumulating	8.4-1
199-PVE24EZ..	24VDC Accumulating	8.5-1
25-PVE24EZ....	24VDC Accumulating	8.6-1

Sortation

ProSort 1121 & 1131....	Sliding Shoe Sorter.....	9.1-1
ProSort 1122 & 1132....	Sliding Shoe Sorter.....	9.2-1
ProSort 1421 & 1431.....	Sliding Shoe Sorter.....	9.3-1
ProSort 1422 & 1432.....	Sliding Shoe Sorter.....	9.4-1
ProSort MRT 90°.....	Narrow Belt Sorter	9.5-1
ProSort MRT 30°.....	Narrow Belt Sorter	9.6-1
ViperSort.....	Right-Angle Sorter	9.7-1
ProSort SC1 & SC2	Belted Pivot Wheel	9.8-1

Transport

190-E24	24VDC Live Roller	10.1-1
190-E24C	24VDC Live Roller Curve	10.2-1
190-E24SS	24VDC Live Roller Spur.....	10.3-1
ABLR.....	Live Roller	10.4-1
NBLR	Live Roller	10.5-1

Accumulation

190-E24EZ	24VDC Accumulating	11.1-1
190-E24EZC....	24VDC Accumulating Curve	11.1-2
190-E24EZSS..	24VDC Accumulating Spur.....	11.2-1
BZE24EZ.....	24VDC Accumulating Belt	11.3-1
BZDE24EZ	24VDC Accumulating Belt	11.4-1
BZIE24EZ.....	24VDC Accumulating Belt	11.5-1
138-ACC.....	Minimum-Pressure Roller	11.6-1
138-LRC	Minimum-Pressure Curve	11.7-1
138-LRS.....	Minimum-Pressure Spur.....	11.8-1
138-LRSS.....	Minimum-Pressure Straight Spur	11.9-1
190-ACC.....	Minimum-Pressure	11.10-1
190-LRC	Minimum-Pressure Curve	11.11-1
190-LRS.....	Minimum-Pressure Spur.....	11.12-1
190-LRSS.....	Minimum-Pressure Straight Spur ..	11.13-1
190-ACZ	Minimum-Pressure Flat Belt.....	11.14-1
190-NSP	Minimum-Pressure Spool.....	11.15-1
190-NSPC.....	Minimum-Pressure Spool Curve....	11.16-1
190-NSPS.....	Minimum-Pressure Spool Spur	11.16-2
190-NSPSS.....	Minimum-Pressure Spool Spur	11.16-2
190-NSPEZ	Zero-Pressure Spool	11.17-1
190-NSPEZC...	Zero-Pressure Spool Curve	11.18-1
ABEZ	Accumulating Roller	11.19-1
NBEZ.....	Accumulating Roller	11.20-1
NBEZA	Accumulating Roller	11.21-1
25-LREZ	Heavy-Duty Accumulating.....	11.22-1

Accessories

EZLogic® Components.....	12.1-1
Supports.....	12.2-1
Stops.....	12.3-1
Guards.....	12.4-1
Diverter & Convergents.....	12.5-1
Pushers.....	12.6-1
Transfers.....	12.7-1
Turntables.....	12.8-1
Gates.....	12.9-1
Additional Documentation.....	12.10-1

DC-62

Drag Chain Conveyor

The model DC-62 is a two strand drag chain conveyor designed to handle pallets.

- 11 Widths
- Modular Assembly
- Adjustable DC3S and DCDS-Type Floor Supports Available



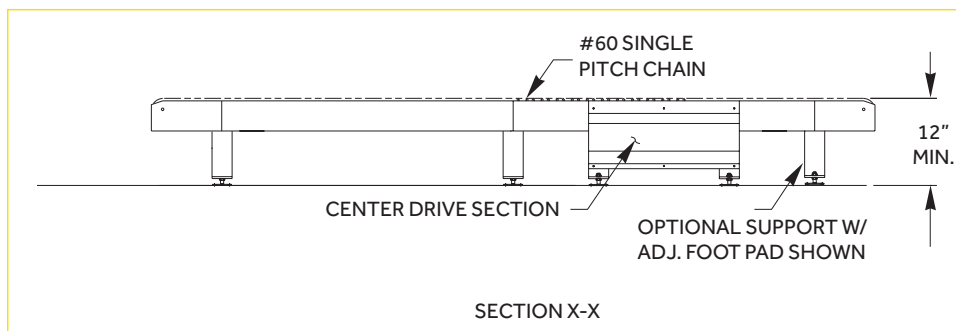
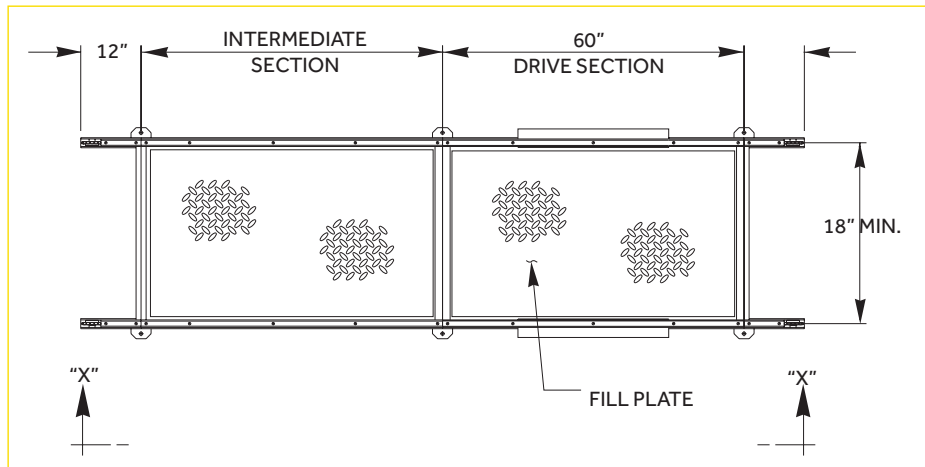
HOW IT WORKS

The conveyor is made up of drive, intermediate, and tail sections on which two strands of #60 single-pitch chain travel. Each strand is a continuous loop and driven by a common drive shaft.

[SEE IT IN ACTION](#)
[TECHNICAL MANUAL](#)

Size to Order Overall Length "A"	Frame Width	19 7/8"	22 7/8"	25 7/8"	28 7/8"	31 7/8"	34 7/8"	37 7/8"	40 7/8"	43 7/8"	46 7/8"	49 7/8"
	Strand Centers	18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
7'		433	450	466	483	499	517	534	551	567	581	600
Per Foot Weight		37	39	41	43	45	47	49	51	53	55	57

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



DC-62

Standard Specifications

- CHAIN** – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 7 ga. powder-painted formed steel angle with 1 1/2 in. x 3/16 wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

MOTOR – 1 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.
- DRIVE SPROCKET** – Hardened #60 with 1 3/8 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

CONVEYING SPEED – 35 FPM.

CAPACITY – 6000 lbs. maximum at 35 FPM (1 1/2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Product footprint may affect drive capacity.

Load Capacity Chart (Live) @ 35 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
1 1/2	6000	6000

MAXIMUM UNIT LOAD-6000 lbs.



Optional Equipment

- FLOOR SUPPORTS** – DCS and DCDS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.
- MOTOR** – 1 1/2 HP maximum.

CLOSED TAIL – Overall length will be affected.

CONVEYING SPEED – Speeds other than 35 FPM will require gear box change (contact factory).

DC-63

Drag Chain Conveyor

The model DC-63 is a three strand drag chain conveyor designed to handle pallets.

- 11 Widths
- Modular Assembly
- Adjustable DC3S and DCDS-Type Floor Supports Available



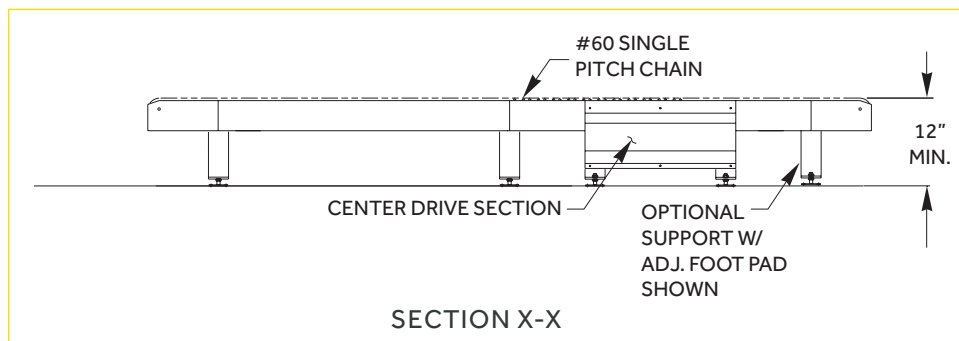
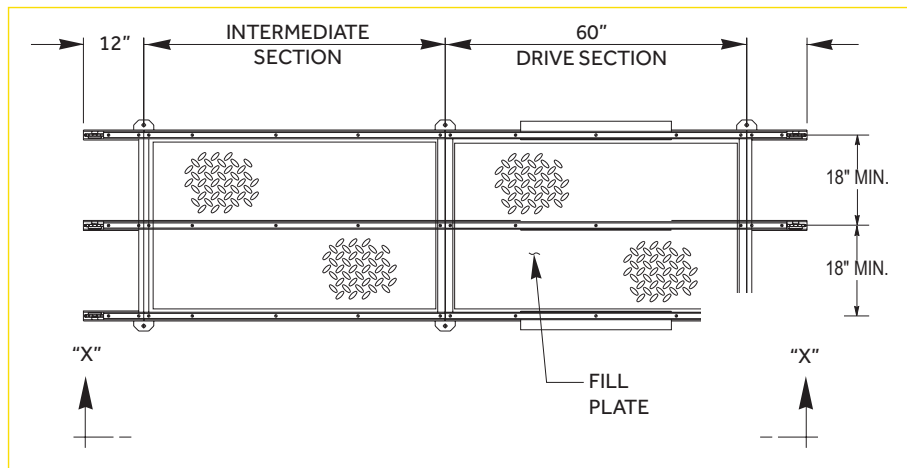
HOW IT WORKS

The conveyor is made up of drive, intermediate, and tail sections on which three strands of #60 single-pitch chain travel. Each strand is a continuous loop and driven by a common drive shaft.

[SEE IT IN ACTION](#)
[TECHNICAL MANUAL](#)

Size to Order Overall Length "A"	Frame Width	37 7/8"	43 7/8"	49 7/8"	55 7/8"	61 7/8"	67 7/8"	73 7/8"	79 7/8"	85 7/8"	91 7/8"	99 7/8"
Strand Centers		18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
7'		650	675	699	724	748	775	801	826	850	871	900
Per Foot Weight		55	58	61	64	67	70	73	76	79	82	85

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.





DC-63

Standard Specifications

CHAIN – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 7 ga. powder-painted formed steel angle with 1 1/2 in. x 3/16 wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

MOTOR –1 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.

DRIVE SPROCKET – Hardened #60 with 1 3/8 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

CONVEYING SPEED – 35 FPM.

CAPACITY – 5800 lbs. maximum at 35 FPM (1 1/2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Product footprint may affect drive capacity.

Load Capacity Chart (Live) @ 30 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
1 1/2	5800	5500

MAXIMUM UNIT LOAD-3000 lbs.



Optional Equipment

FLOOR SUPPORTS – DCS and DCDS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

MOTOR – 1 1/2 HP maximum.

CLOSED TAIL – Overall length will be affected.

CONVEYING SPEED – Speeds other than 35 FPM will require gear box change (contact factory).

DC-82

Drag Chain Conveyor

The model DC-82 is a two strand drag chain conveyor designed to handle pallets.

- 10 Widths
- Modular Assembly
- Adjustable DCS and DCDS-Type
- Floor Supports Available



HOW IT WORKS

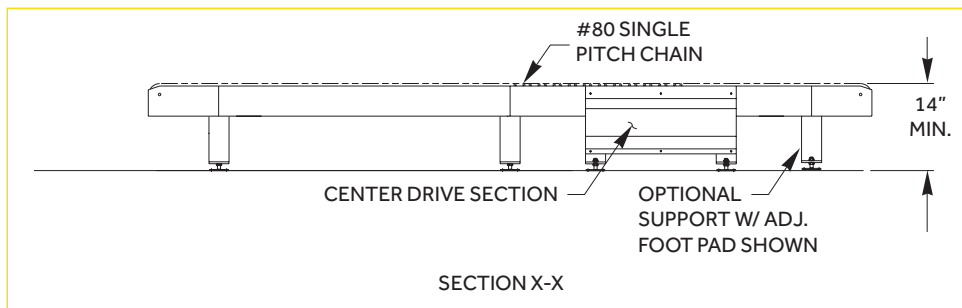
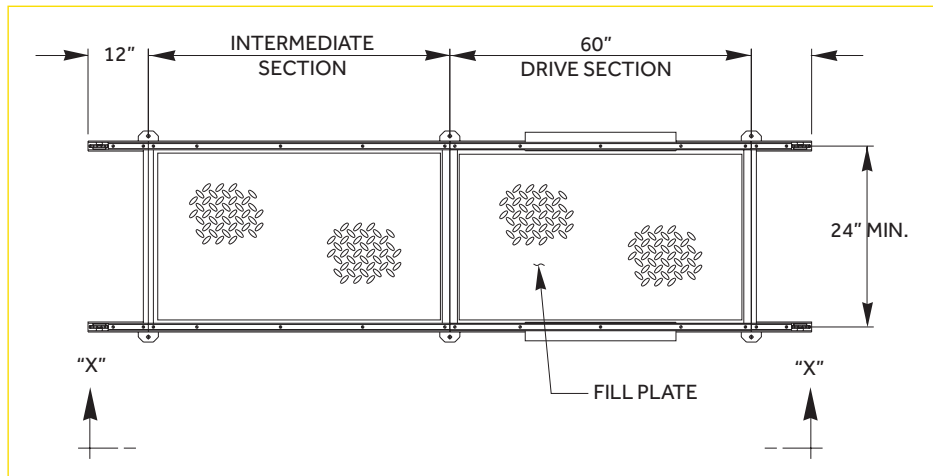
The conveyor is made up of drive, intermediate, and tail sections on which two strands of #80 single-pitch chain travel. Each strand is a continuous loop and driven by a common drive shaft.

SEE IT IN ACTION

TECHNICAL MANUAL

Size to Order	Frame Width	26 1/2"	29 1/2"	32 1/2"	35 1/2"	38 1/2"	41 1/2"	44 1/2"	47 1/2"	50 1/2"	53 1/2"
Overall Length "A"	Strand Centers	24"	27"	30"	33"	36"	39"	42"	45"	48"	51"
7'		583	604	625	646	667	688	709	730	751	772
Per Foot Weight		52	55	58	61	64	67	70	73	76	79

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



DC-82

Standard Specifications

- CHAIN** – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 4 ga. powder-painted formed steel angle with 2 in. x 1/4 in. thick wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

MOTOR – 2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.
- DRIVE SPROCKET** – Hardened #80 with 1 1/2 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

CONVEYING SPEED – 30 FPM.

CAPACITY – 5800 lbs. maximum at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Product footprint may affect drive capacity.

Load Capacity Chart (Live) @ 30 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
2	5800	5500

MAXIMUM UNIT LOAD-4000 lbs.



Optional Equipment

- FLOOR SUPPORTS** – DC82S and DCDS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

MOTOR – 3 HP maximum.
- CLOSED TAIL** – Overall length will be affected.

CONVEYING SPEED – Speeds other than 30 FPM will require gear box change (contact factory).

DC-83

Drag Chain Conveyor

The model DC-83 is a three strand drag chain conveyor designed to handle pallets.

- 10 Widths
- Modular Assembly
- Adjustable DC3S and DCDS-Type Floor Supports Available



HOW IT WORKS

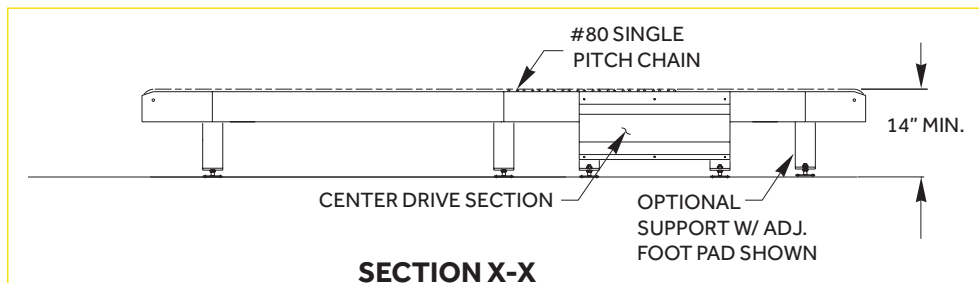
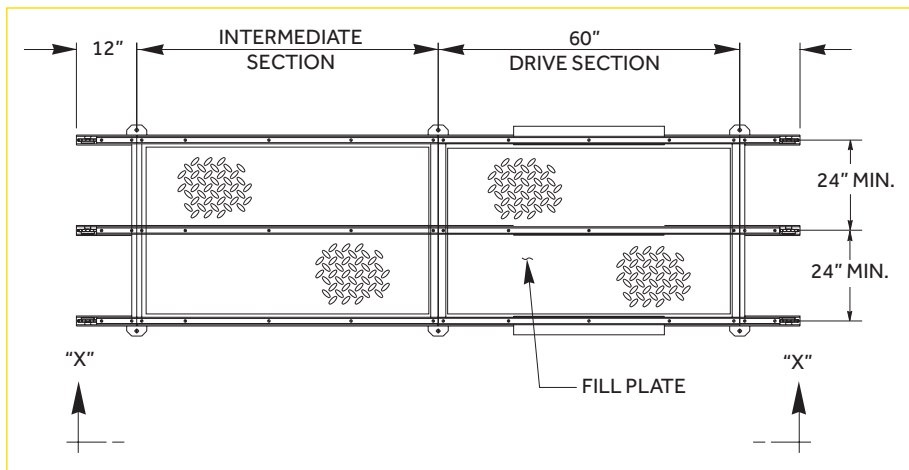
The conveyor is made up of drive, intermediate, and tail sections on which two strands of #80 single-pitch chain travel. Each strand is a continuous loop and driven by a common drive shaft.

SEE IT IN ACTION

TECHNICAL MANUAL

Size to Order Overall Length "A"	Frame Width	50 1/2"	56 1/2"	62 1/2"	68 1/2"	74 1/2"	80 1/2"	86 1/2"	92 1/2"	98 1/2"	104 1/2"
Strand Centers		24"	27"	30"	33"	36"	39"	42"	45"	48"	51"
7'		874	905	936	967	998	1029	1060	1091	1122	1153
Per Foot Weight		77	80	83	86	89	92	95	98	101	104

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



DC-83

Standard Specifications

CHAIN – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 4 ga. powder-painted formed steel angle with 2 in. x 1/4 in. thick wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

MOTOR – 2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.

DRIVE SPROCKET – Hardened #80 with 1 1/2 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

CONVEYING SPEED – 30 FPM.

CAPACITY – 5800 lbs. maximum at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Product footprint may affect drive capacity.

Load Capacity Chart (Live) @ 30 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
2	6000	5500

MAXIMUM UNIT LOAD-4000 lbs.



Optional Equipment

FLOOR SUPPORTS – DC83S and DCDS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

MOTOR – 3 HP maximum.

CLOSED TAIL – Overall length will be affected.

CONVEYING SPEED – Speeds other than 30 FPM will require gear box change (contact factory).

DCEZ-62

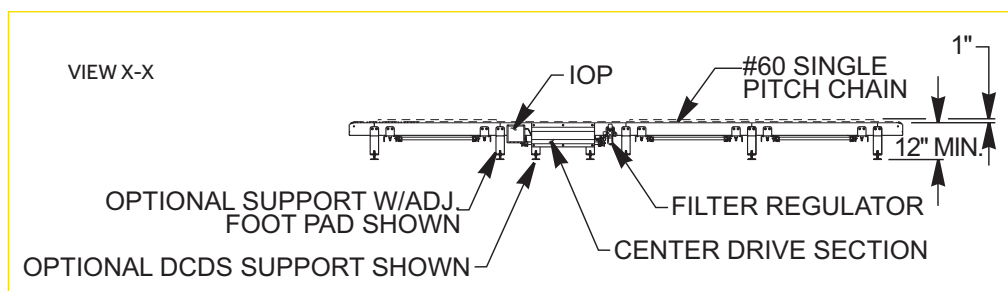
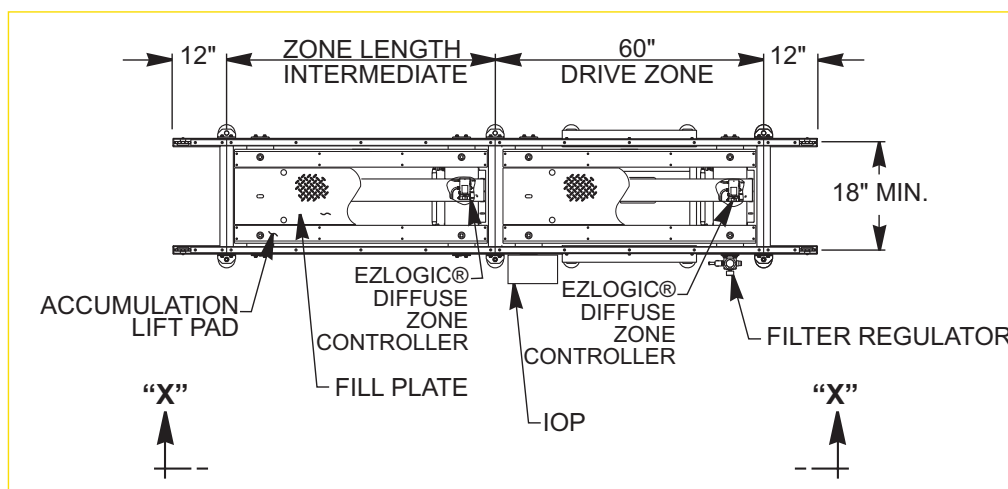
Accumulating Drag Chain Conveyor

The model DCEZ-62 is a two strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

- 2 Strand Design
- EZLogic® Accumulation System (Diffuse)
- 11 Widths
- Modular Assembly
- Adjustable DCS and DCDS-Type
- Floor Supports Available


[LEARN MORE](#)
[TECHNICAL MANUAL](#)

Size to Order Overall Length "A"	Frame Width Strand Centers	19 7/8"	22 7/8"	25 7/8"	28 7/8"	31 7/8"	34 7/8"	37 7/8"	40 7/8"	43 7/8"	46 7/8"	49 7/8"
		18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
12'		615	641	667	694	720	748	774	801	827	851	880
17'		797	832	868	905	941	979	1014	1051	1087	1121	1160
22'		979	1023	1069	1116	1162	1210	1254	1301	1347	1391	1440
27'		1161	1214	1270	1327	1383	1441	1494	1551	1607	1661	1720
32'	Weights	1343	1405	1471	1538	1604	1672	1734	1801	1867	1931	2000
37'	(lbs.)	1525	1596	1672	1749	1825	1903	1974	2051	2127	2201	2280
42'	based on	1707	1787	1873	1960	2046	2134	2214	2301	2387	2471	2560
47'	60" Inter.	1889	1978	2074	2171	2267	2365	2454	2551	2647	2741	2840
52'	Frame	2071	2169	2275	2382	2488	2596	2694	2801	2907	3011	3120
62'	Lengths	2435	2551	2677	2804	2930	3058	3174	3301	3427	3551	3680
72'		2799	2933	3079	3226	3372	3520	3654	3801	3947	4091	4240
82'		3163	3315	3481	3648	3814	3982	4134	4301	4467	4631	4800
92'		3527	3697	3883	4070	4256	4444	4614	4801	4987	5171	5360
102'		3891	4079	4285	4492	4698	4906	5099	5301	5507	5711	5920



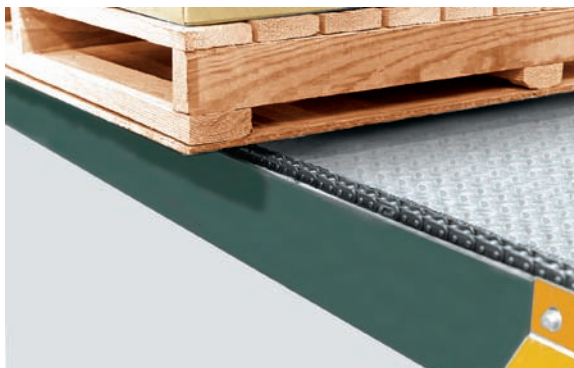
DCEZ-62

Standard Specifications

- CHAIN** – #60 single pitch conveyor chain (straight sidebar).
- CHAIN GUIDE** – UHMW polyethylene.
- FRAME** – 6 in. x 7 ga. powder-painted formed steel angle with 1 1/2 in. x 3/16 wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.
- DRIVE SPROCKET** – Hardened #60 with 1 3/8 in. dia. steel shaft.
- BEARINGS** – Sealed, pre-lubricated, self-aligning ball bearings on drive.
- EZLOGIC® ZONE CONTROLLER** – Located in each zone (Diffuse). NEMA 1, 2, IP62. UL Approved.
- ACCUMULATION ZONES** – 36 in., 42 in., 48 in., 54 in., 60 in., and 66 in. long intermediate sections with EZLogic® Accumulation (Diffuse). Contact factory for other lengths. Drive Section minimum 60 in. long.

- IOP** – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.
- AIR REQUIREMENTS** – Recommended working pressure 60 PSI. Free air consumption at 75 PSI; .50 cu. ft. per actuation for 18 in. and 21 in. strand centers; 1.0 cu. ft. per actuation for 24 in. to 28 in. strand centers.
- FILTER, REGULATOR** – Supplied for main air supply line (1/2 in. NPT port). Includes pressure sensor.
- MOTOR** – 1 1/2 HP, 230/460V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.
- CONVEYING SPEED** – 35 FPM.
- CAPACITY** – 12,000 lbs. maximum at 35 FPM (1 1/2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.
- FLOOR SUPPORTS** – Supplied as optional equipment.

Note: Do not operate DCEZ in sleep or slug mode.



Load Capacity Chart (Accumulated or Live)* @ 30 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
1 1/2	12,000	10,000

*Load capacities in accumulation mode are calculated assuming no more than half of the load will be moving at any time.

DCEZ-62

Optional Equipment

FLOOR SUPPORTS – DCDS and DCS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

CLOSED TAIL – Overall length will be affected.

MOTOR – Energy efficient, 1 1/2 HP maximum.

CONVEYING SPEED – Speeds other than 35 FPM will require gearmotor change (contact factory).

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starter – push-button stations.

EZLOGIC® – See EZLogic® Components Page.

DCEZ-62

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZ-63

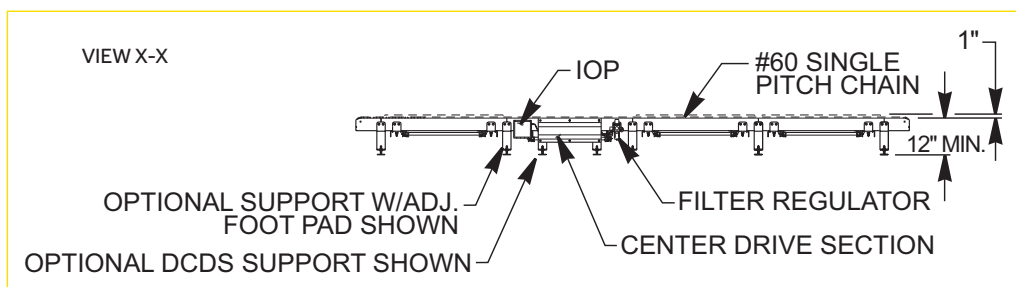
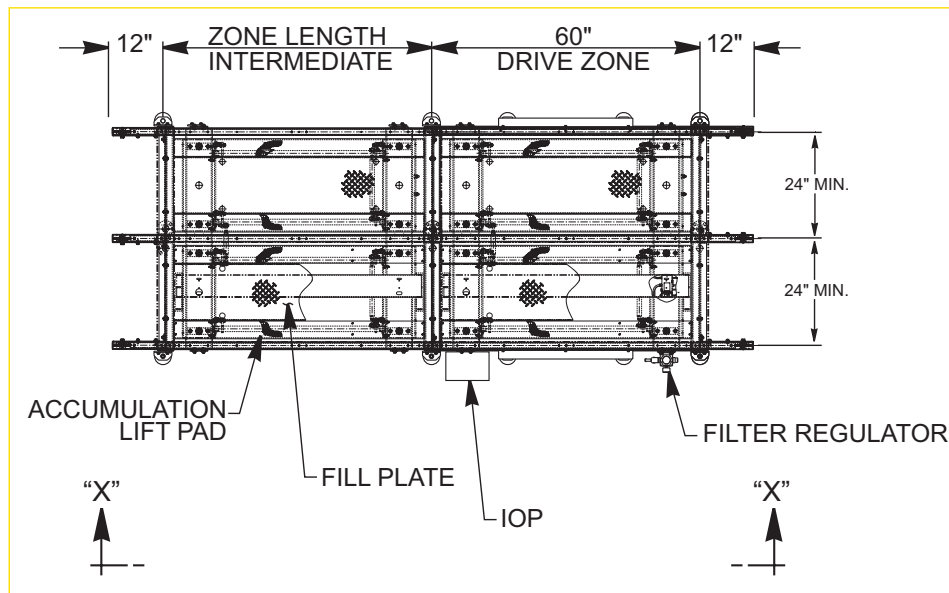
Accumulating Drag Chain Conveyor

The model DCEZ-63 is a three strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure reducing the possibility of collision that may result in product damage.

- 3 Strand Design
- EZLogic® Accumulation System (Diffuse)
- 11 Widths
- Modular Assembly
- Adjustable DC3S and DCDS-Type Floor Supports Available


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[TECHNICAL MANUAL](#)

Overall Length "A"	Frame Width	37 7/8"	43 7/8"	49 7/8"	55 7/8"	61 7/8"	67 7/8"	73 7/8"	79 7/8"	85 7/8"	91 7/8"	99 7/8"
	Strand Centers	18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
12'	Weights	925	965	1004	1044	1083	1125	1166	1206	1245	1281	1325
Per Foot Weight		55	58	61	64	67	70	73	76	79	82	85



DCEZ-63

Standard Specifications

CHAIN – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 7 ga. powder-painted formed steel angle with 1 1/2 in. x 3/16 wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #60 with 1 3/8 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone (Diffuse). NEMA 1, 2, IP62. UL Approved.

ACCUMULATION ZONES – 36 in., 42 in., 48 in., 54 in., 60 in., and 66 in. long intermediate sections with EZLogic® Accumulation (Diffuse). Contact factory for other lengths. Drive Section minimum 60 in. long.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

AIR REQUIREMENTS – Recommended working pressure 60 PSI. Free air consumption at 75 PSI; .50 cu. ft. per actuation for 18 in. and 21 in. strand centers; 1.0 cu. ft. per actuation for 24 in. to 28 in. strand centers.

FILTER, REGULATOR – Supplied for main air supply line (1/2 in. NPT port). Includes pressure sensor.

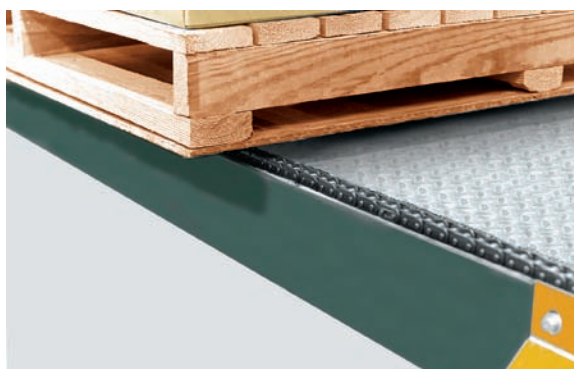
MOTOR – 1 1/2 HP, 230/460V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.

CONVEYING SPEED – 35 FPM.

CAPACITY – 11,000 lbs. maximum at 35 FPM (1 1/2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Do not operate DCEZ in sleep or slug mode.



Load Capacity Chart (Accumulated or Live)* @ 30 FPM
Total Load (lbs.)

HP	Up to 50'	Up to 102'
1 1/2	12,000	10,000

*Load capacities in accumulation mode are calculated assuming no more than half of the load will be moving at any time.

DCEZ-63

Optional Equipment

FLOOR SUPPORTS – DCDS and DCS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

CLOSED TAIL – Overall length will be affected.

MOTOR – Energy efficient, 1 1/2 HP maximum.

CONVEYING SPEED – Speeds other than 35 FPM will require gearmotor change (contact factory).

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starter – push-button stations.

EZLOGIC® – See EZLogic® Components Page.

DCEZ-63

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZ-82

Accumulating Drag Chain Conveyor

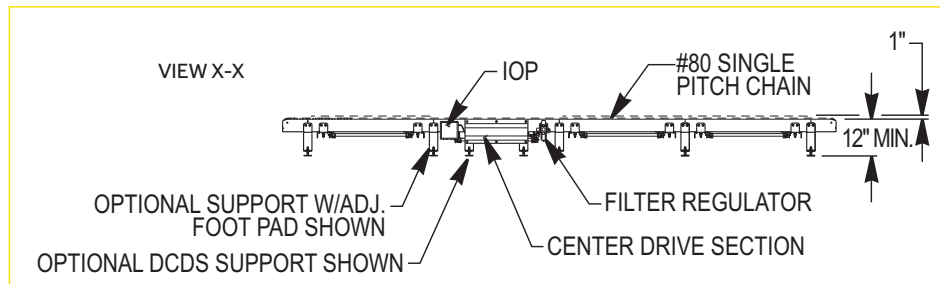
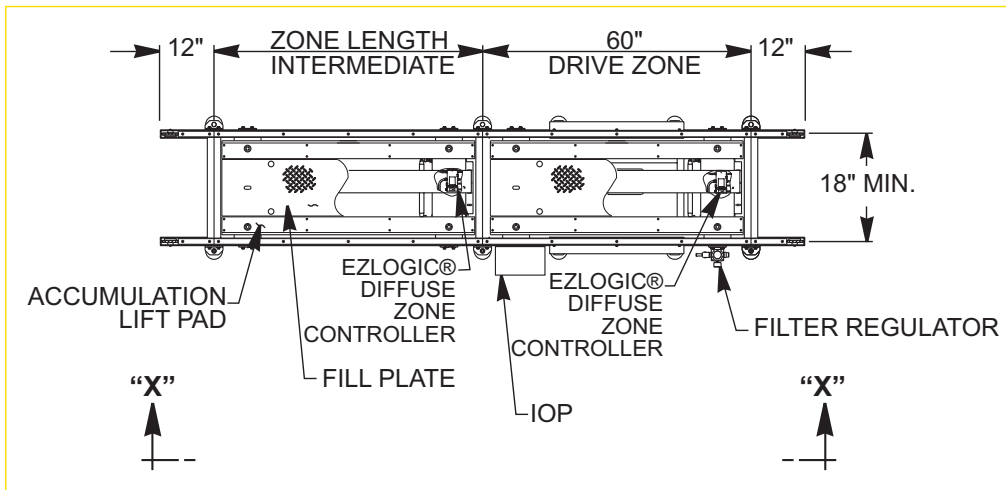
The model DCEZ-82 is a two strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

- 2 Strand Design
- EZLogic® Accumulation System (Diffuse)
- 10 Widths
- Modular Assembly
- Adjustable DCS and DCDS-Type Floor Supports Available


[LEARN MORE](#)
[TECHNICAL MANUAL](#)

Overall Length "A"	Frame Width	26 1/2"	29 1/2"	32 1/2"	35 1/2"	38 1/2"	41 1/2"	44 1/2"	47 1/2"	50 1/2"	53 1/2"
Strand Centers		24"	27"	30"	33"	36"	39"	42"	45"	48"	51"
12'	Weights (lbs.)	834	868	902	936	970	1004	1038	1072	1106	1144
Per Foot Weight	based on 60" frame lengths	52	55	58	61	64	67	70	73	76	79

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Standard Specifications

DCEZ-82

- CHAIN** – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 4 ga. powder-painted formed steel angle with 2 in. x 1/4 in. wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #80 with 1 1/2 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone (Diffuse). NEMA 1, 2, IP62. UL Approved.

ACCUMULATION ZONES – 36 in., 42 in., 48 in., 54 in., 60 in., and 66 in. long intermediate sections with EZLogic® Accumulation (Diffuse). Contact factory for other lengths. Drive Section minimum 60 in. long.
- IOP** – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

AIR REQUIREMENTS – Recommended working pressure 60 PSI. Free air consumption at 75 PSI; 1.0 cu. ft. per actuation for 24 in. and 27 in. strand centers; 1.5 cu. ft. per actuation for 30 in. to 51 in. strand centers.

FILTER, REGULATOR – Supplied for main air supply line (1/2 in. NPT port). Includes pressure sensor.

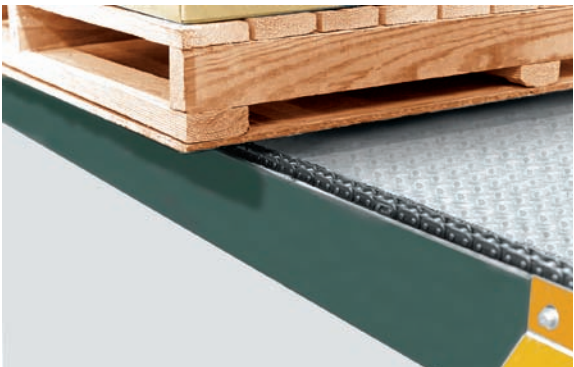
MOTOR – 2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.

CONVEYING SPEED – 30 FPM.

CAPACITY – 12,000 lbs. maximum at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Do not operate DCEZ in sleep or slug mode.



Load Capacity Chart (Accumulated or Live)* @ 30 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
2	12,000	11,000

*Load capacities in accumulation mode are calculated assuming no more than half of the load will be moving at any time.

DCEZ-82

Optional Equipment

FLOOR SUPPORTS – DCDS and DC82S Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

CLOSED TAIL – Overall length will be affected.

MOTOR – Energy efficient, 3 HP maximum.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starter – push-button stations.

EZLOGIC® – See EZLogic® Components Page.

DCEZ-82

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZ-83

Accumulating Drag Chain Conveyor

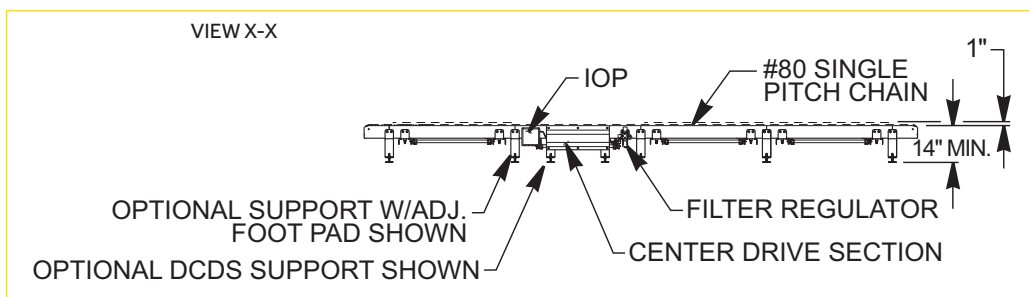
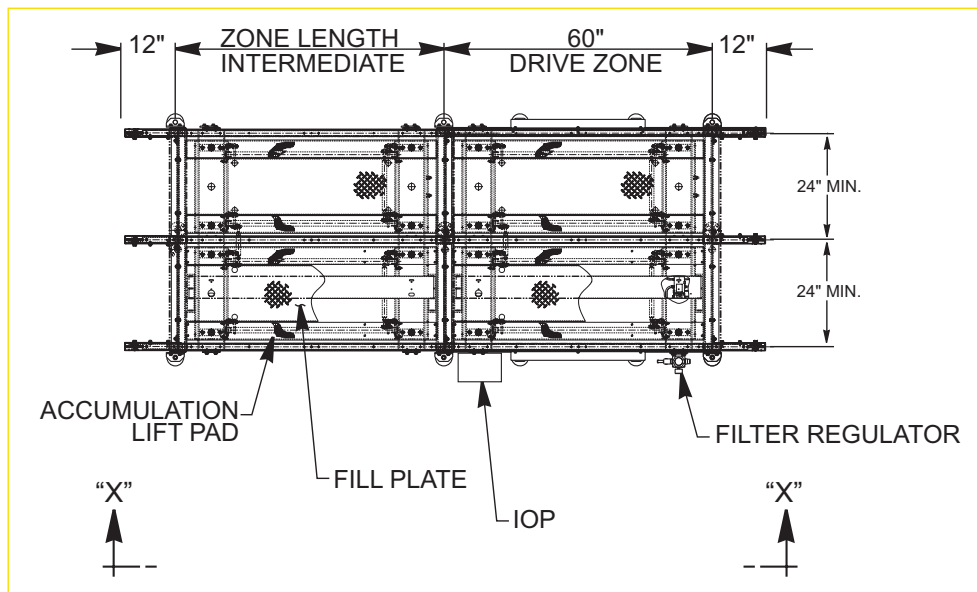
The model DCEZ-83 is a three strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure reducing the possibility of collision that may result in product damage.

- 3 Strand Design
- EZLogic® Accumulation System (Diffuse)
- 10 Widths
- Modular Assembly
- Adjustable DC3S and DCDS-Type Floor Supports Available


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[TECHNICAL MANUAL](#)

Overall Length "A"	Frame Width Strand Centers	50 1/2"	56 1/2"	62 1/2"	68 1/2"	74 1/2"	80 1/2"	86 1/2"	92 1/2"	98 1/2"	104 1/2"
		24"	27"	30"	33"	36"	39"	42"	45"	48"	51"
12'	Weights (lbs.)	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705
Per Foot Weight	based on 60" frame lengths	77	80	83	86	89	92	95	98	101	104

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



DCEZ-83

Standard Specifications

CHAIN – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 6 in. x 4 ga. powder-painted formed steel angle with 2 in. x 1/4 in. wall, chain support tube. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #80 with 1 1/2 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

ACCUMULATION ZONES – 36 in., 42 in., 48 in., 54 in., 60 in., and 66 in. long intermediate sections with EZLogic® Accumulation (Diffuse). Contact factory for other lengths. Drive Section minimum 60 in. long.

EZLOGIC® ZONE CONTROLLER – Located in each zone (Diffuse). NEMA 1, 2, IP62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

AIR REQUIREMENTS – Recommended working pressure 60 PSI. Free air consumption at 75 PSI; 1.0 cu. ft. per actuation for 24 in. and 27 in. strand centers; 1.5 cu. ft. per actuation for 30 in. to 51 in. strand centers.

FILTER, REGULATOR – Supplied for main air supply line (1/2 in. NPT port). Includes pressure sensor.

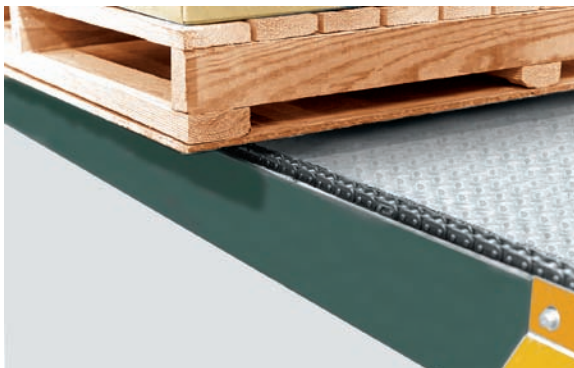
MOTOR – 2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor, located underneath in 5 ft. long module.

CONVEYING SPEED – 30 FPM.

CAPACITY – 12,000 lbs. maximum at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Do not operate DCEZ in sleep or slug mode.



Load Capacity Chart (Accumulated or Live)* @ 30 FPM		
Total Load (lbs.)		
HP	Up to 50'	Up to 102'
2	12,000	11,000

*Load capacities in accumulation mode are calculated assuming no more than half of the load will be moving at any time.

DCEZ-83

Optional Equipment

FLOOR SUPPORTS – DCDS and DC83S Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

CLOSED TAIL – Overall length will be affected.

MOTOR – Energy efficient, 3 HP maximum.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starter – push-button stations.

EZLOGIC® – See EZLogic® Components Page.

DCEZ-83

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

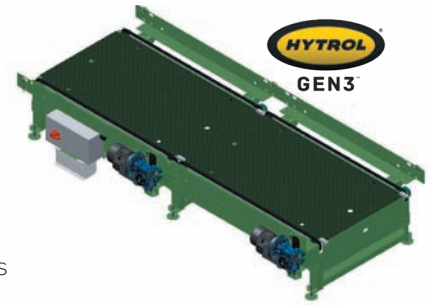
Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZD-62

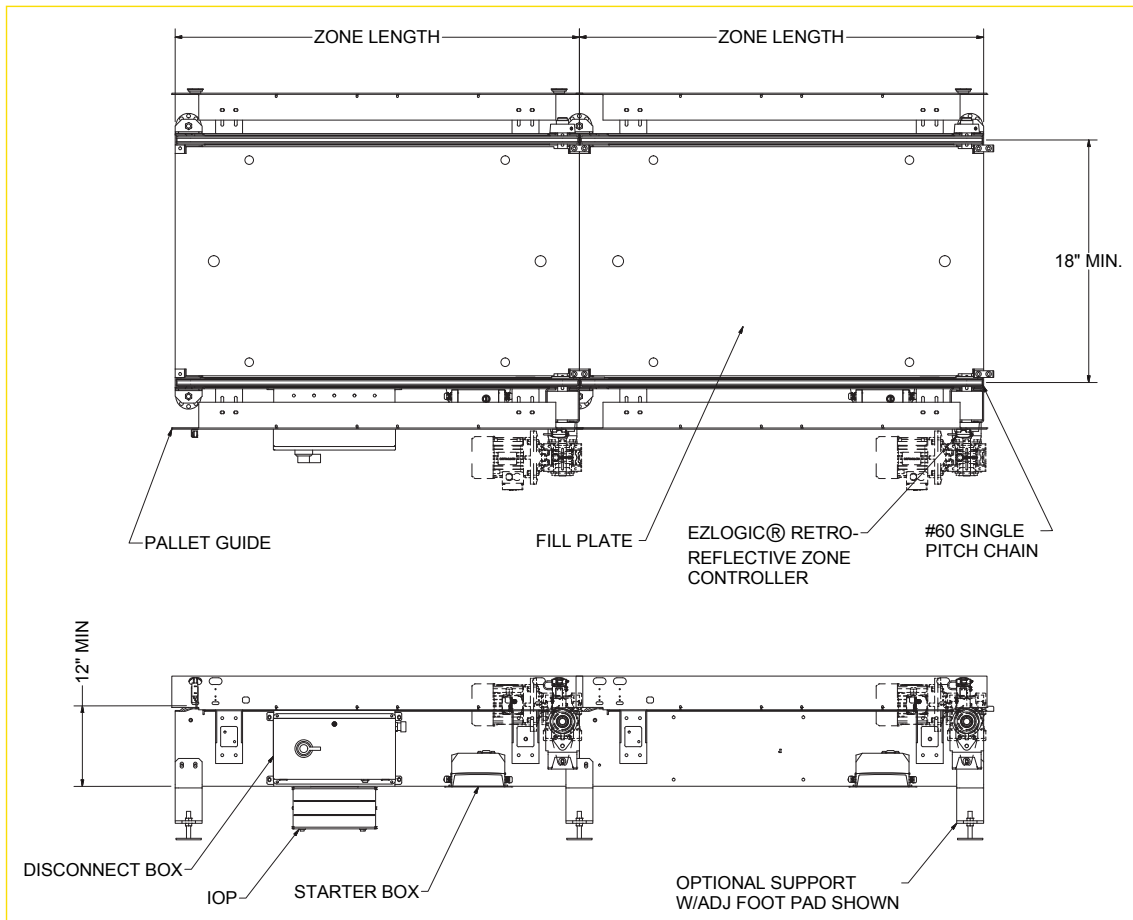
Accumulating Drag Chain Conveyor

The model DCEZD-62 is a two strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

- 2 Strand Design
- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Modular Assembly
- Adjustable DCS-Type Floor Supports Available


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[TECHNICAL MANUAL](#)

Overall Length "A"	Frame Width	19 7/8"	22 7/8"	25 7/8"	28 7/8"	31 7/8"	34 7/8"	37 7/8"	40 7/8"	43 7/8"	46 7/8"	49 7/8"
	Strand Centers	18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
10' Per Foot Weight	Weights (lbs.)	615	641	667	694	720	748	774	801	827	851	880
		62	64	67	69	72	75	78	80	83	85	88



DCEZD-62

Standard Specifications

CHAIN – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 11 1/8 in. x 7 ga. powder-painted formed steel angle. 7 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #60 with 1 7/16 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone. NEMA 1, 2, IP62. UL Approved.

ACCUMULATION ZONES – 60 in. long sections with EZLogic® Accumulation.

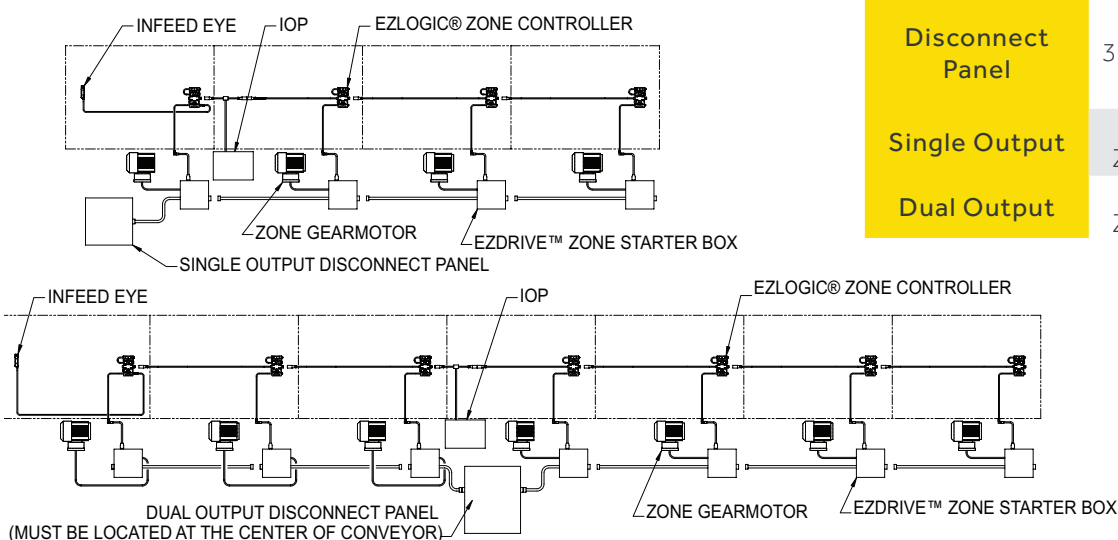
IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

MOTOR – 3/4 HP, 230/460/575V, 3 Ph. 60 Hz. gearmotor, shaft-mounted at discharge end of zone.

CONVEYING SPEED – 30 FPM.

CAPACITY – 3,000 lbs. maximum per zone at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.



Disconnect Panel	230V	460V
	3 Ph. 60 Hz	3 Ph. 60 Hz
	Single Output	Single Output
Dual Output	1-4 Zones	1-8 Zones
	5-8 Zones	9-16 Zones

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

DCEZD-62

Optional Equipment

FLOOR SUPPORTS – DCS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

ACCUMULATION ZONES – 48 in., 54 in., and 66 in. intermediate sections with EZLogic® Accumulation. Contact factory for other lengths.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

DCEZD-62

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

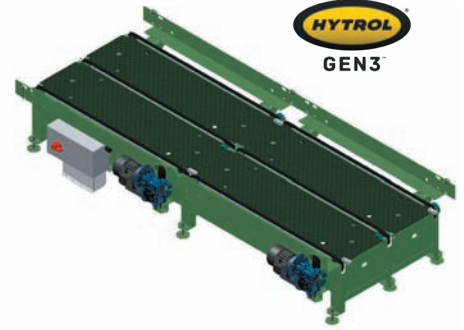
Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZD-63

Accumulating Drag Chain Conveyor

The model DCEZD-63 is a three strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

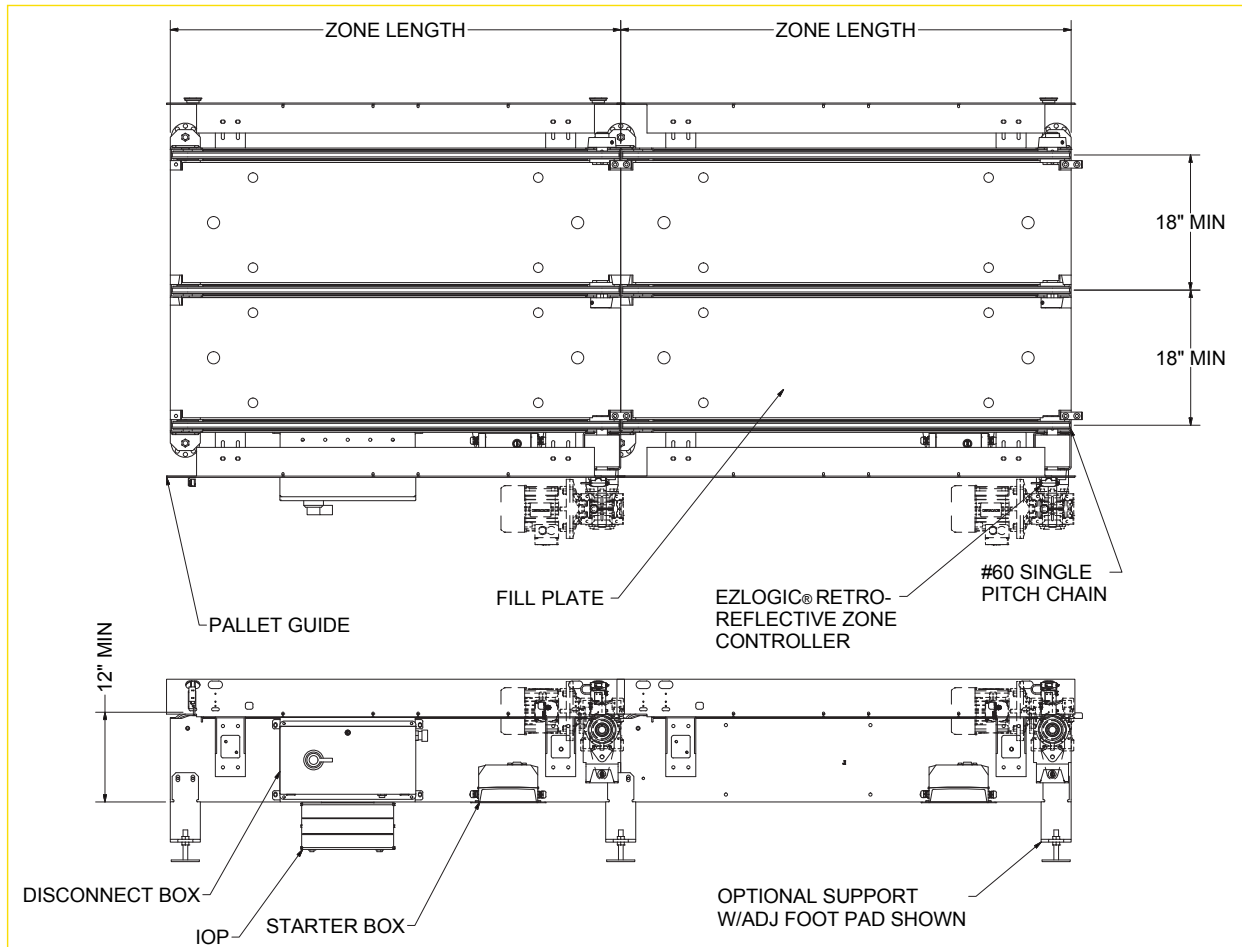
- 3 Strand Design
- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Modular Assembly
- Adjustable DCS-Type Floor Supports Available



LEARN MORE

TECHNICAL MANUAL

Overall Length "A"	Frame Width	37 7/8"	43 7/8"	49 7/8"	55 7/8"	61 7/8"	67 7/8"	73 7/8"	79 7/8"	85 7/8"	91 7/8"	97 7/8"
	Strand Centers	18"	21"	24"	27"	30"	33"	36"	39"	42"	45"	48"
10'	Weights	925	965	1004	1044	1083	1125	1166	1206	1245	1281	1325
Per Foot Weight		93	97	100	104	108	113	117	121	125	128	133



Standard Specifications

DCEZD-63

- CHAIN** – #60 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 11 1/8 in. x 7 ga. powder-painted formed steel angle. 7 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #60 with 1 7/16 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone. NEMA 1, 2, IP62. UL Approved.
- ACCUMULATION ZONES** – 60 in. long sections with EZLogic® Accumulation.

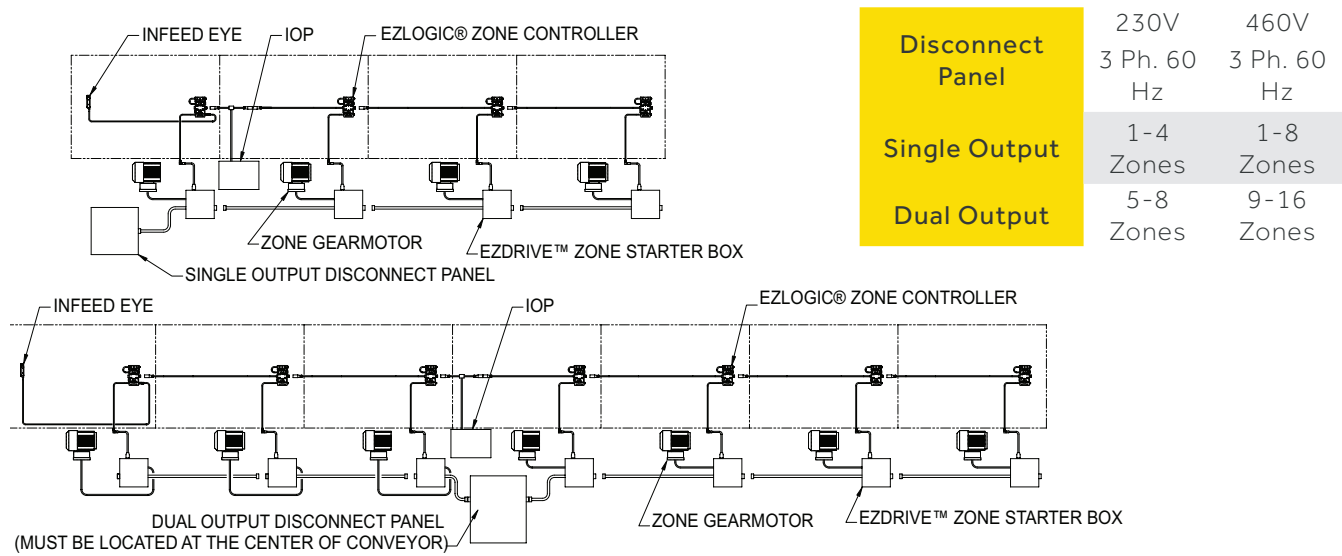
IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

MOTOR – 3/4 HP, 230/460/575V, 3 Ph. 60 Hz. gearmotor, shaft-mounted at discharge end of zone.

CONVEYING SPEED – 30 FPM.

CAPACITY – 3,000 lbs. maximum per zone at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.



Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

DCEZD-63

Optional Equipment

FLOOR SUPPORTS – DCS Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

ACCUMULATION ZONES – 48 in., 54 in., and 66 in. intermediate sections with EZLogic® Accumulation. Contact factory for other lengths.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

DCEZD-63

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

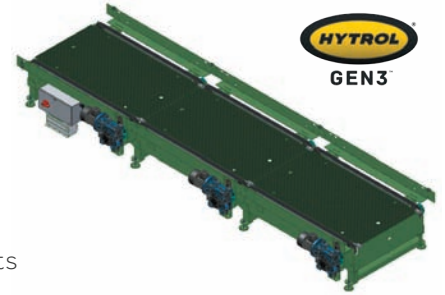
Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZD-82

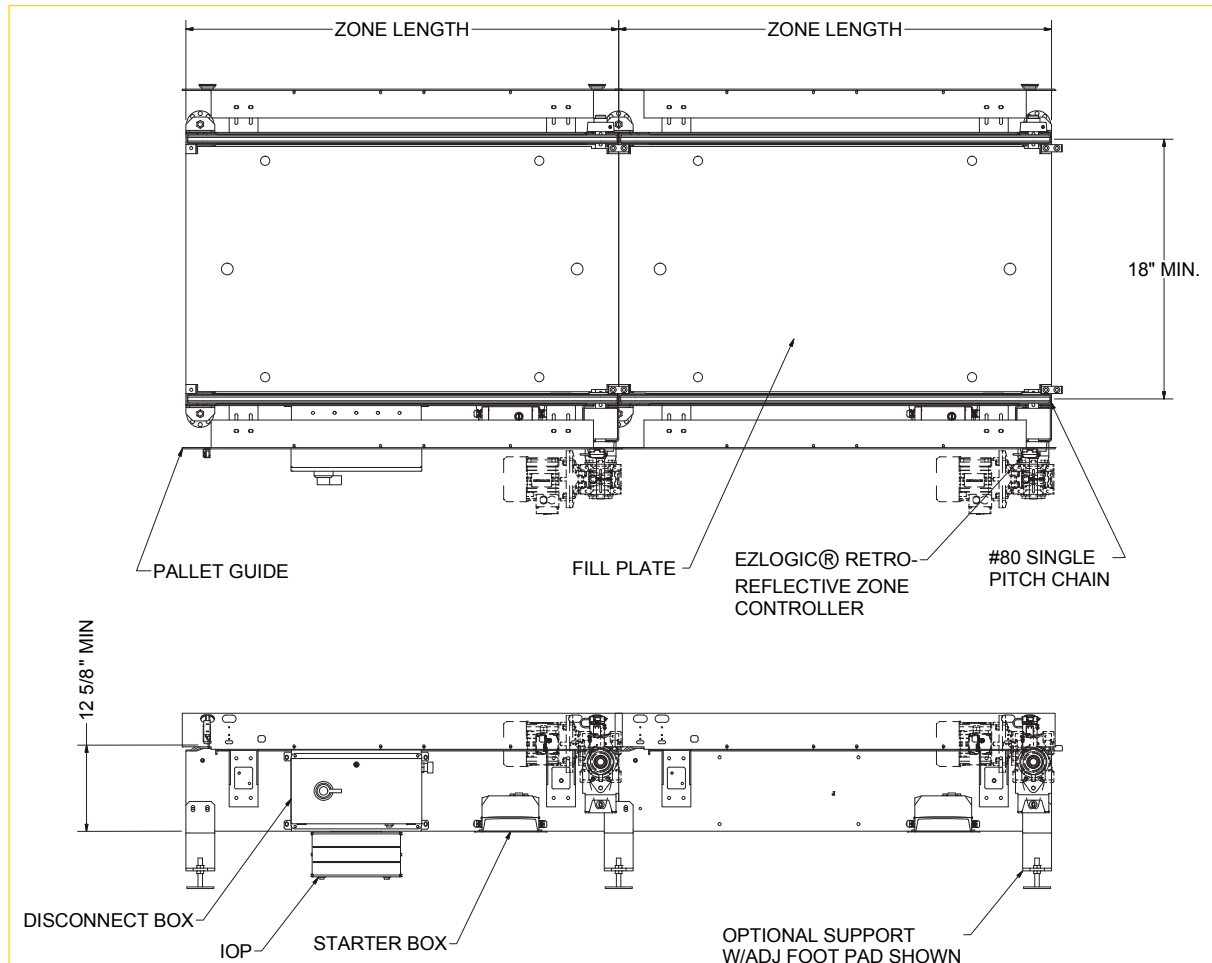
Accumulating Drag Chain Conveyor

The model DCEZD-82 is a two strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

- 2 Strand Design
- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Shaft-Mounted Drives
- Adjustable DCS-Type Floor Supports Available


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[TECHNICAL MANUAL](#)

Overall Length "A"	Frame Width	26 1/2"	29 1/2"	32 1/2"	35 1/2"	38 1/2"	41 1/2"	44 1/2"	47 1/2"	50 1/2"	53 1/2"
	Strand Centers	24"	27"	30"	33"	36"	39"	42"	45"	48"	51"
10'		834	868	902	936	970	1004	1038	1072	1106	1144
Per Foot Weight	Weights (lbs.)	52	55	58	61	64	67	70	73	76	79



DCEZD-82

Standard Specifications

CHAIN – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 12 in. x 4 ga. powder-painted formed steel angle. 7 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #80 with 1 11/16 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone. NEMA 1, 2, IP62. UL Approved.

ACCUMULATION ZONES – 60 in. long sections with EZLogic® Accumulation.

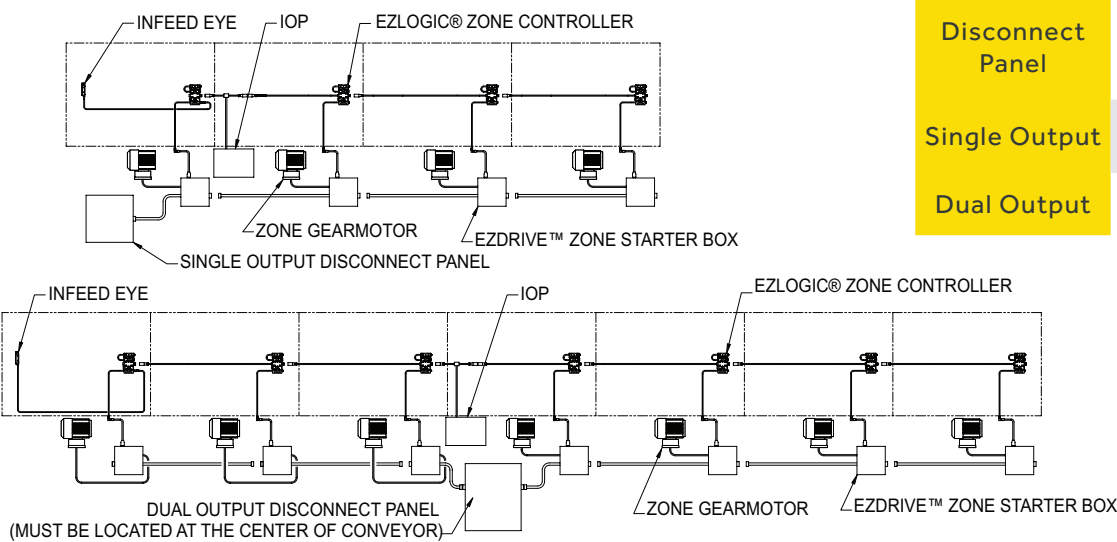
IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

MOTOR – 1 HP, 230/460/575V, 3 Ph. 60 Hz. gearmotor, shaft-mounted at discharge end of zone.

CONVEYING SPEED – 30 FPM.

CAPACITY – 4,000 lbs. maximum per zone at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.



Disconnect Panel	230V 3 Ph. 60 Hz	460V 3 Ph. 60 Hz
	1-3 Zones	1-6 Zones
	4-6 Zones	7-12 Zones

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

DCEZD-82

Optional Equipment

FLOOR SUPPORTS – DC82S Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

ACCUMULATION ZONES – 48 in., 54 in., and 66 in. intermediate sections with EZLogic® Accumulation. Contact factory for other lengths.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

DCEZD-82

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

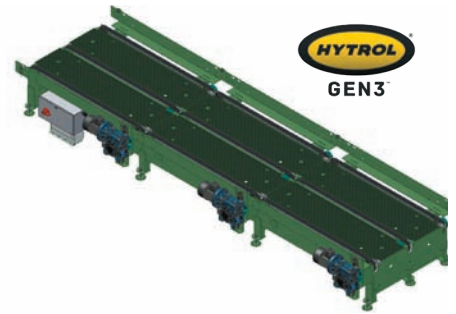
Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

DCEZD-83

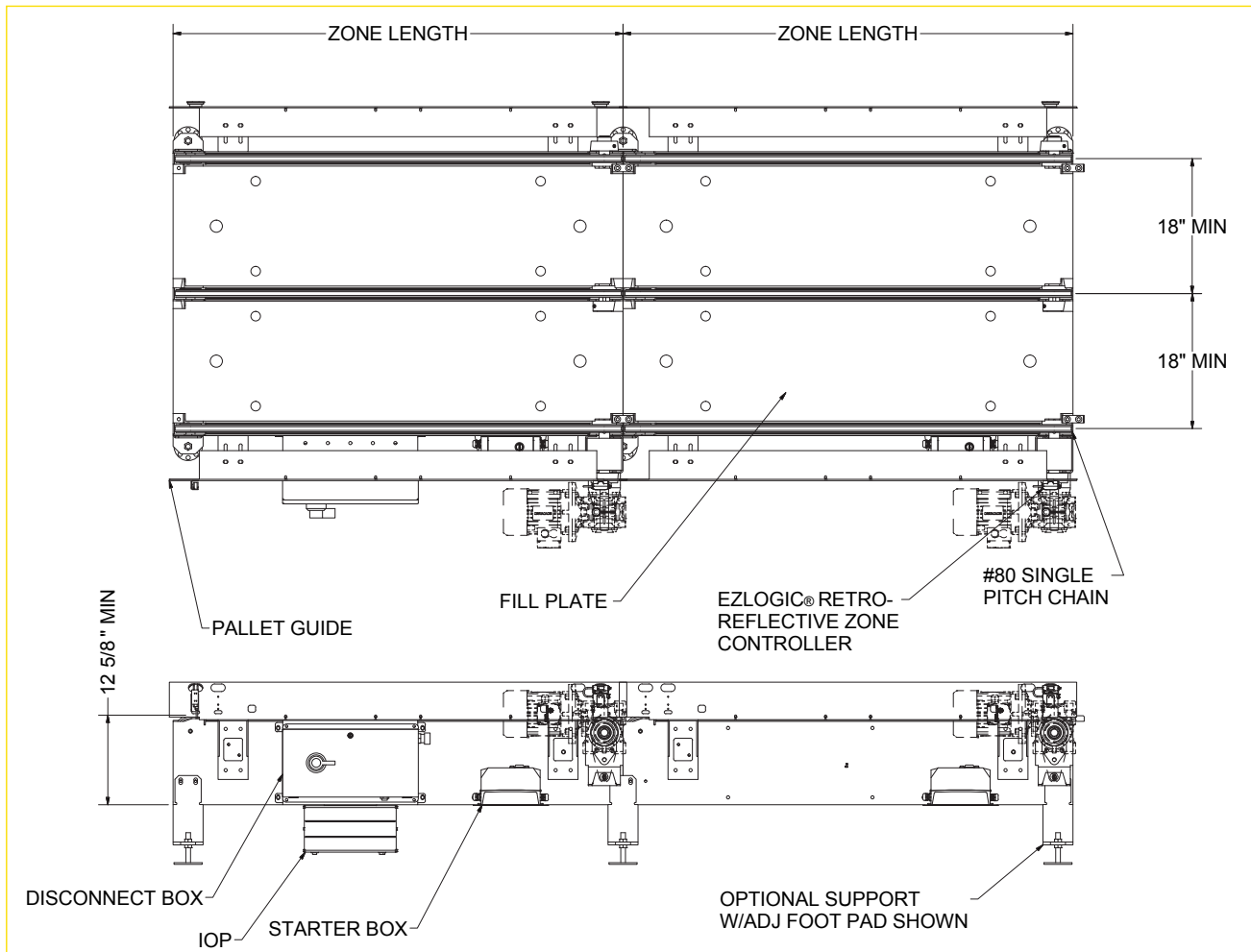
Accumulating Drag Chain Conveyor

The model DCEZD-83 is a three strand drag chain conveyor designed to handle pallets. With EZLogic® Zone Controller, pallets are accumulated with zero-pressure, reducing the possibility of collision that may result in product damage.

- 3 Strand Design
- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Shaft-Mounted Drives
- Adjustable DCS-Type Floor Supports Available


[LEARN MORE](#)
[TECHNICAL MANUAL](#)

Overall Length "A"	Frame Width	50 1/2"	56 1/2"	62 1/2"	68 1/2"	74 1/2"	80 1/2"	86 1/2"	92 1/2"	98 1/2"	104 1/2"
	Strand Centers	24"	27"	30"	33"	36"	39"	42"	45"	48"	51"
10'	Weights	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705
Per Foot Weight		77	80	83	86	89	92	95	98	101	104



DCEZD-83

Standard Specifications

- CHAIN** – #80 single pitch conveyor chain (straight sidebar).

CHAIN GUIDE – UHMW polyethylene.

FRAME – 12 in. x 4 ga. powder-painted formed steel angle. 4 ga. formed coupling channels located at infeed and discharge ends of each module.

DRIVE SPROCKET – Hardened #80 with 1 11/16 in. dia. steel shaft.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

EZLOGIC® ZONE CONTROLLER – Located in each zone. NEMA 1, 2, IP62. UL Approved.
- ACCUMULATION ZONES** – 60 in. long sections with EZLogic® Accumulation.

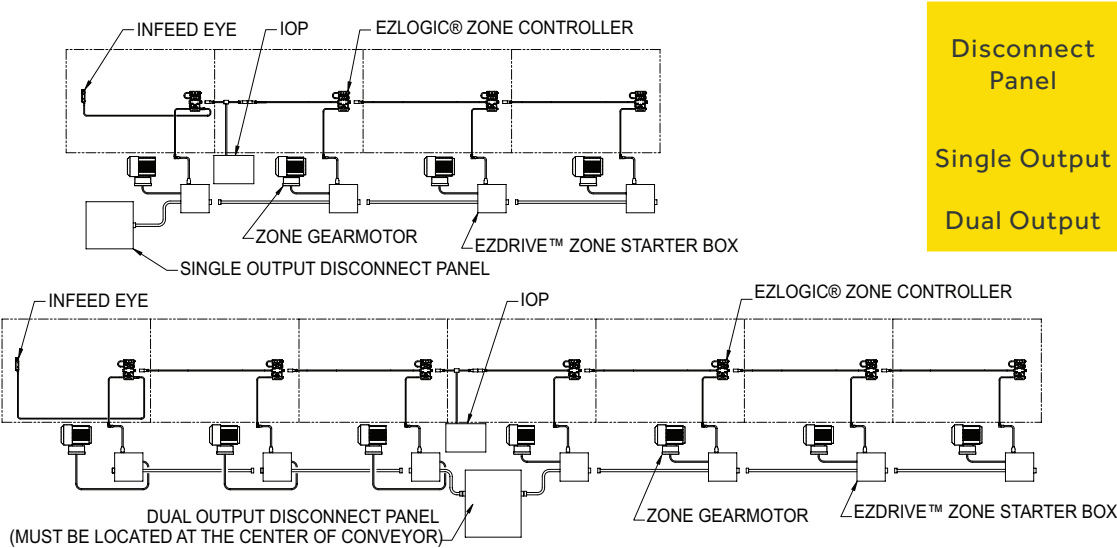
IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

MOTOR – 1 HP, 230/460/575V, 3 Ph. 60 Hz. gearmotor, shaft-mounted at discharge end of zone.

CONVEYING SPEED – 30 FPM.

CAPACITY – 4,000 lbs. maximum per zone at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.



Disconnect Panel	230V	460V
	3 Ph. 60 Hz	3 Ph. 60 Hz
	1-3 Zones	1-6 Zones
Single Output	4-6 Zones	7-12 Zones
Dual Output		

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

DCEZD-83

Optional Equipment

FLOOR SUPPORTS – DC83S Type floor supports are available with a wide range of adjustment. Specify top of chain elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

ACCUMULATION ZONES – 48 in., 54 in., and 66 in. intermediate sections with EZLogic® Accumulation. Contact factory for other lengths.

CONVEYING SPEED – Speeds other than 30 FPM will require gearmotor change (contact factory).

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

DCEZD-83

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

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Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

TA

Slider Bed Belt Conveyor

A very versatile conveyor, the model TA can be used in many types of material handling situations such as assembly line operations, sorting, packing, and inspection. Conveyor sets up quickly and easily to save on installation time.

- 10 Belt Widths
- Reversible (with Center Drive)
- Smooth, Slim Bed
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to Order Overall Length "A"	Bed Length "L"	Overall Length with Center Drive	Drive Pulley	Belt Width Bed Width	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	30"
					10"	12"	14"	16"	18"	20"	22"	24"	28"	30"	34"
6'	5'	6'	4" Dia.	Weights (lbs.)	239	252	262	272	282	305	315	343	366	374	389
11'	10'	11'			271	286	300	314	328	368	382	397	422	431	447
16'	15'	16'			324	343	362	380	398	456	475	494	528	540	562
21'	20'	21'			354	377	400	422	444	519	542	565	607	621	649
26'	25'	26'			406	434	461	488	514	607	635	662	713	730	764
31'	30'	31'			436	468	499	530	560	670	702	733	792	812	851
36'	35'	36'			488	525	560	596	630	758	795	830	898	921	966
41'	40'	41'			519	559	599	638	677	821	862	901	977	1002	1053
46'	45'	46'			570	616	660	704	747	909	955	998	1083	1112	1168
51'	50'	51'			605	655	704	753	801	982	1032	1081	1176	1208	1271
56'-11"	55'	56'	8" Dia.	Weights (lbs.)	652	712	795	819	871	1070	1125	1178	1282	1317	1386
61'-11"	60'	61'			688	746	804	861	918	1133	1192	1249	1351	1385	1453
66'-11"	65'	66'			734	803	865	927	988	1221	1285	1346	1457	1494	1568
71'-11"	70'	71'			772	839	905	971	1036	1287	1364	1420	1549	1589	1678
76'-11"	75'	76'			816	896	966	1037	1106	1375	1457	1517	1655	1701	1793
81'-11"	80'	81'			855	930	1005	1079	1153	1438	1514	1588	1734	1783	1880
86'-11"	85'	86'			898	987	1066	1145	1223	1526	1607	1685	1840	1892	1995
91'-11"	90'	91'			937	1021	1104	1187	1269	1589	1673	1756	1920	2139	2084
96'-11"	95'	96'			980	1078	1165	1253	1339	1677	1766	1853	2026	2084	2199
101'-11"	100'	101'			1020	1112	1204	1295	1386	1740	1833	1924	2105	2166	2286

- All standard widths to be offered in 1 ft. length increment.
- All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

TA

BELT – Ultimate 140 BBS–Nitrile.

BED – 4 in. deep x 12 ga. formed steel slider bed–powder-painted. Standard 5 ft. and 10 ft. long sections bolt together with splice plates.

END DRIVE – Located on discharge end of conveyor, chain guard on left hand side.

DRIVE PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 8 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned and fully lagged. See chart.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. for 4 in. pulley–2 1/2 in. dia. for 8 in. pulley. Pre-lubricated ball bearings. Guards included.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, ball bearings on drive and tail pulleys.

SPEED REDUCER – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1/2 HP, 208/230/460V/575, 3 Ph. 60 Hz. Totally Enclosed C-face.

BELT SPEED – Constant 65 FPM.

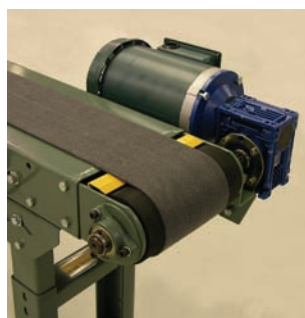
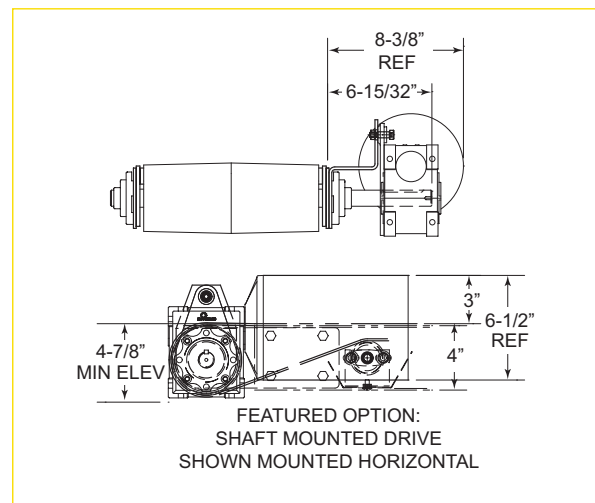
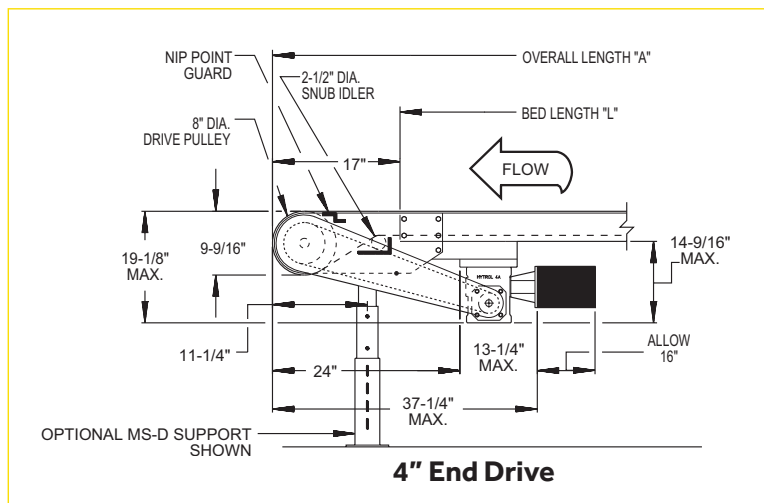
CAPACITY – Maximum load per linear foot of conveyor 75 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

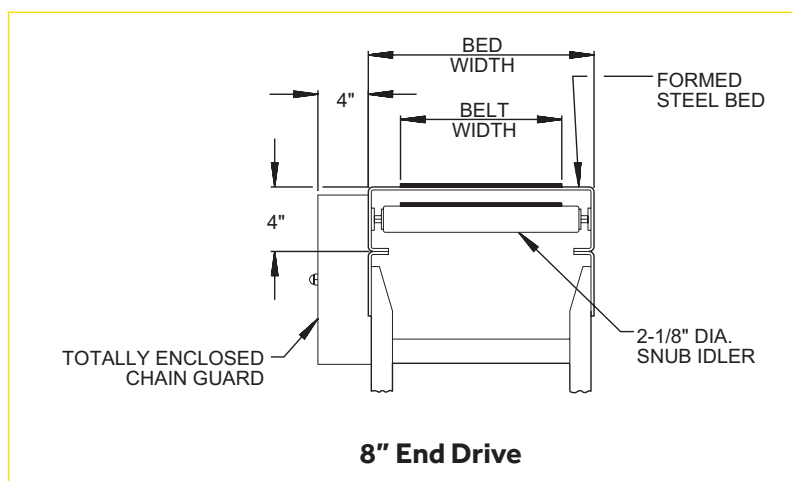
Load Capacity Chart @ 65 FPM								
HP	Belt Widths To	4" Dia. Drive Pulley					8" Dia. Drive Pulley	
		Lengths Up To						
		11'	21'	31'	41'	51'	77'	102'
		Distributed Load (lbs.)						
1/2	6"-16"	335	320	310	300	285	260	230
	18"-28"	320	300	285	270	255	210	170
1	6"-16"	650	635	625	615	605	625	595
	18"-30"	635	620	600	585	570	580	540

Load Capacity Chart 25° Incline @ 65 FPM w/ High-Grip Belt						
HP	Belt Widths To	Lengths Up To				
		11'	21'	31'	41'	51'
		Distributed Load (lbs.)				
1/2	6"-16"	155	145	135	125	110
	18"-28"	145	130	115	100	80
1	6"-16"	310	300	290	280	270
	18"-30"	305	285	270	255	240

TA

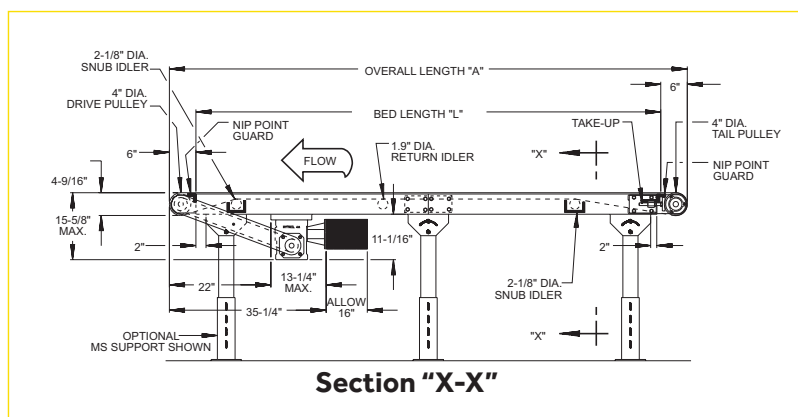


Conveyor shown with featured option - shaft-mounted end drive



Speed Chart For Shaft-mounted End Drive On TA With 4 In. dia. Drive Pulley

Speed FPM	Max HP
34	1/2
41	1/2
52	1/2
68	1
82	1
103	1
138	1
206	1
274	1
412	1



Optional Equipment

TA

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BELT* – White Polymate 100 RMP-COS (cover one side), Black Trackmate 120 Roughtop with PVC cover, Brown Polymate Roughtop w/Nitrile cover, Black Trackmate 533 COS-PVC, Tan Glidetop, Pure Gum Rubber Roughtop. Incline units: Black Trackmate 120 High-Grip Longitudinal Groove.

BELT SPEED* – Other constant and variable speeds. V-belt drive supplied under 17 FPM.

SHAFT-MOUNTED END DRIVE – Motor reducer unit mounted on extended drive pulley shaft. Can be mounted with motor horizontal for 4 7/8 in. minimum elevation. Mounting bracket and torque arm allows for multiple mounting positions. 4 in. drive only. See chart page 30 for speeds.

OVERHEAD END DRIVE – Motor-reducer unit mounted 9 1/2 in. above belt. Other clearances available, specify. Chain guard right hand side. Minimum elevation 6 in. with 4 in. drive, 10 in. with 8 in. drive.

SIDE MOUNTED END DRIVE – Motor-reducer unit mounted on left hand side of conveyor. Minimum elevation 7 in. with 4 in. drive, 10 in. with 8 in. drive.

CENTER DRIVE – Provides 16 in. of belt take-up. Minimum elevation 16 in. with 4 in. drive, 17 in. with 8 in. drive. Specify location. Minimum OAL without modification is 66 in. with 4 in. drive, 66 in. with 8 in. drive. Belt width is 6 in. less than bed width.

LOW ELEVATION SIDE MOUNTED CENTER DRIVE – Motor-reducer unit mounted to side of conveyor. Minimum elevation 13 1/2 in. with 4 in. or 8 in. drive. Belt width is 6 in. less than bed width.

STACKED END DRIVE – Minimum elevation 27 3/4 in. with v-belt drive, 33 3/4 in. with C-face drive.

V-BELT DRIVE – V-belt supplied between motor and reducer. Minimum overall drive width 14 in. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant Recommended for applications that do not permit regular lubrication.

UNDERSIDE TAKE-UP – Provides 16 in. of belt take-up. Extends down 13 1/8 in. from top of belt. Belt width is 6 in. less than bed width.

SIDE TABLES – Powder-painted 14 ga. formed steel

table, 10 in., 16 in., or 22 in. wide from side of bed. One or both sides.

GUARD RAILS – Universal adjustable universal channel, solid side guards, PC side guards with formed top. Fixed Channel overlapping, one direction (use with systems ends only). Fixed Channel non-overlapping, reversing (use with system ends only).

NOSEOVER* – Adjustable, single (0° to 15°), double (0° to 30°).

LOW POWERED FEEDER* – Chain type driven from tail pulley of inclined conveyor. Underside take-up required when end drive is used. MS-Type floor supports supplied as optional equipment. 8 in. dia. drive recommended on conveyor when feeder exceeds 44 1/2 in. OAL–50 1/2 in. OAL with system end.

GRAVITY BRACKETS – Adjustable bars with 1 in. dia. pop-out transfer roller to attach wheel or 1 3/8 in. roller conveyor. Available 12 in. to 28 in. bed widths only.

BUTT COUPLINGS – Provides connection to SB, RB, LR, ACC, ACZ, ABEZ, 190-NSP, 190-NSPEZ, 1.9 in. and 2.0 in. gravity conveyors. Includes 1 in. dia. pop-out roller. Center drive or underside take-up recommended.

SYSTEM END ROLLER – 12 in. long tail sections provide connection to SB, RB, LR, ACC, ACZ, ABEZ, 190-NSP, 190-NSPEZ, 1.9 in. and 2.0 in. gravity conveyors. Includes 1.9 in. dia. pop-out transfer roller. Belt width is 6 in. less than bed width. Center drive or underside take-up required. Not available on 10 in. bed.

PULLEYS – 6 in. tail with 1 3/16 in. dia. shaft at bearings, or 8 in. drive with 1 3/16 in. dia. shaft at bearings.

CASTERS – See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – One direction manual start switch, reverse drum switch, non-reversing and reversible magnetic starters, push button stations. AC variable frequency drive.

***Note:** Capacity affected with these options.

GAPPER-D

Two-Stage Gapping Belt Conveyor

The model Gapper-D is designed for feeding sawtooth merges, combiners, sorters, or other equipment where gaps must be pulled between cartons.

- 2-Stage
- 5 Belt Widths
- High-Grip Longitudinal Grooved Belt; Endless Splice
- Single Bed Design
- Automatic Belt Tracker
- Adjustable MS-Type Floor Supports Available

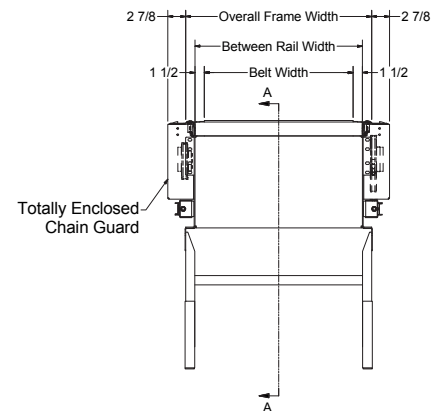
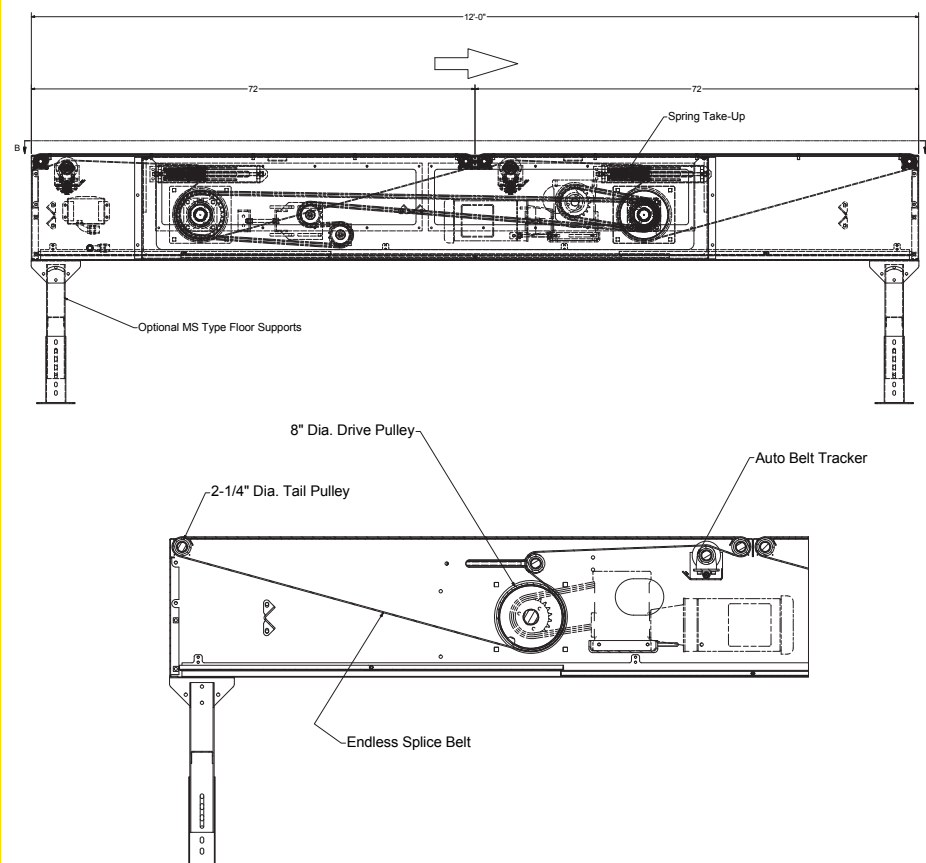


Conveyor shown with optional floor supports.

[SEE IT IN ACTION](#)

[TECHNICAL MANUAL](#)

Size to Order	Belt Width Between Rail Width Overall Frame Width	12"	18"	24"	30"	36"
		15"	21"	27"	33"	39"
Overall Length	Weights (lbs.)	18"	24"	30"	36"	42"
12'		761	1015	1269	1523	1777
Weight Per Foot (lbs.)		63	85	106	127	148



Standard Specifications GAPPER-D

BELT – High-Grip longitudinally grooved belt; NSL-11ESBV-U2 Endless Splice.

BED – 12 ga. galvanized slider pan mounted on a 17 in. x 12 ga. powder-painted formed steel channel frame.

SPRING TENSION TAKE-UP – 2 1/4 in. dia. take-up pulley; provides 16 in. of belt take-up.

DRIVE PULLEY – 8 in. dia. with 1 11/16 in. dia. shaft at bearings, flat-faced and lagged.

Note: Maximum operational speed will be limited to carton sizes being conveyed in order to prevent carton tumbling or sliding. Contact Factory for specific application limits.

BEARINGS – Sealed, pre-lubricated, ball bearings on drive. Precision bearings on tail shafts.

MOTOR – 208/230/460/575V, 3 PH., 60 HZ. Premium Energy Efficient C-face.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No 60 roller chain to drive pulley.

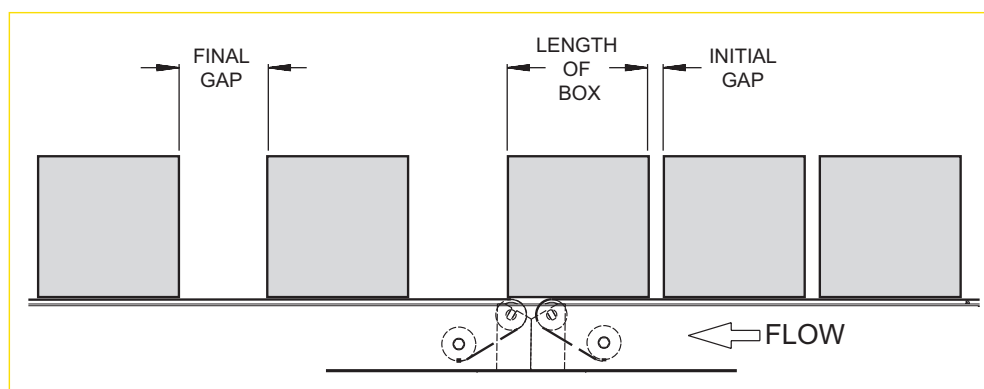
Note: As cartons pass from the infeed belt to the higher speed discharge belt, a gap is created between cartons according to the following formula:

$$\frac{\text{Length of Box} + \text{Final Gap}}{\text{Length of Box} + \text{Initial Gap}} = \text{Speed Gap Ratio (SGR)}$$

Gaps are then measured and speed altered during release of cartons to create desired final gap or pitch. This process is required at each transition where there is a speed change.

$$\text{SGR} = \frac{\text{Discharge Belt Speed}}{\text{Infeed Belt Speed}}$$

SGR
1.25
1.50
1.75
2.00
2.25
2.50



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

GUARD RAILS – Adjustable Universal Channel Guard Rail, overlapping fixed channel (one direction).

LENGTH – Optional 10 ft. long bed section with 60 in. long infeed and discharge segments.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

MOTOR – Single phase, brakemotor, other characteristics.

ELECTRICAL CONTROLS – One direction manual start switch, non-reversing starters, push button stations. AC variable frequency drive.

GAPPER-O

Three-Stage Gapping Belt Conveyor

The model Gap Optimizer is designed for feeding sawtooth merges, combiners, sorters, or other equipment where gaps must be optimized between cartons or for feeding scales where carton pitch must be controlled.

- 3-Stage
- Single Bed Design
- 5 Belt Widths
- Automatic Belt Tracker
- Spring Tension Take-up
- High-Grip Longitudinal Grooved Belt; Endless Splice
- Adjustable MS-Type Floor Supports Available

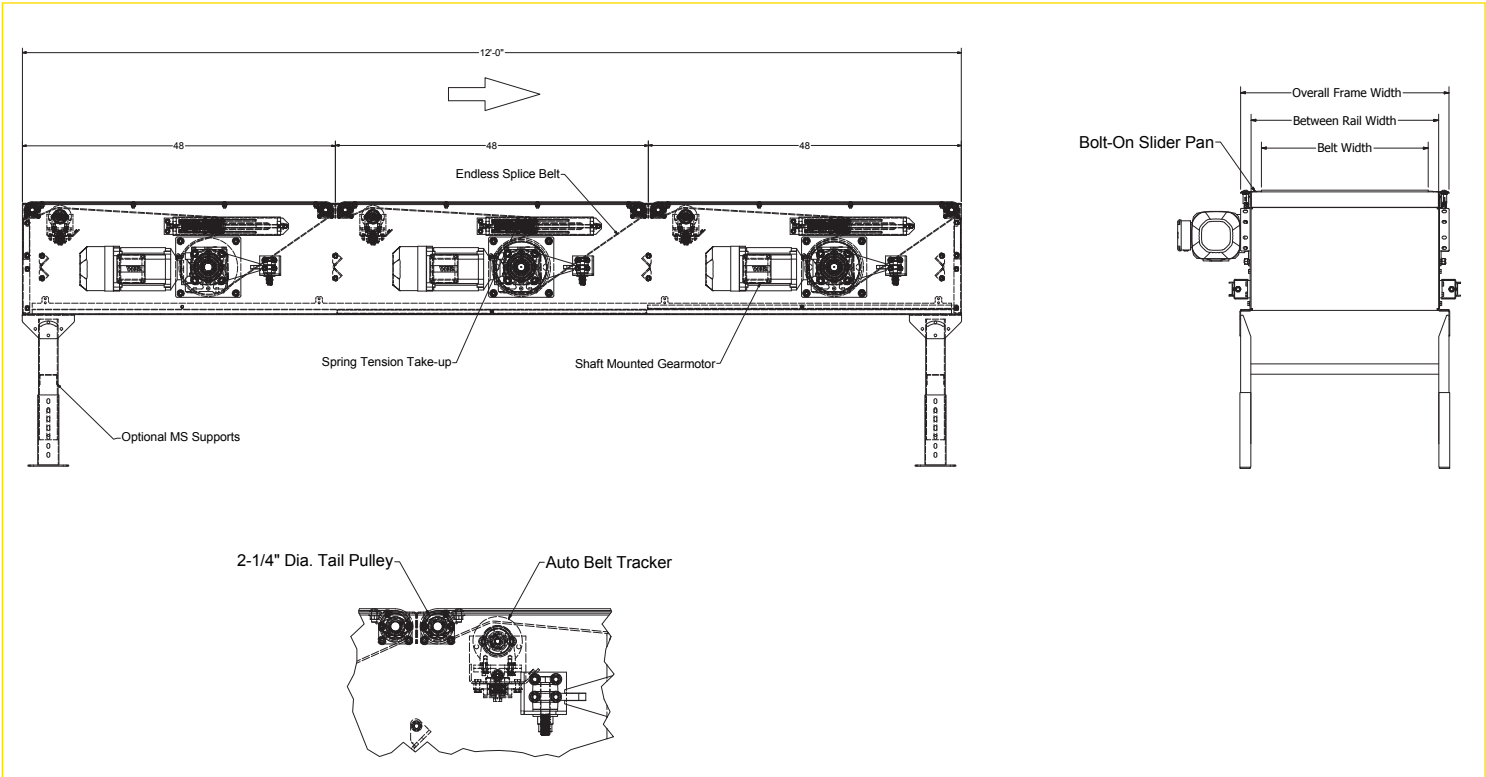


Conveyor shown with optional floor supports.

[SEE IT IN ACTION](#)

[TECHNICAL MANUAL](#)

Size to Order Overall Length	Belt Width	12"	18"	24"	30"	36"
	Between Rail Width	15"	21"	27"	33"	39"
	Overall Frame Width	18"	24"	30"	36"	42"
12'	Weights (lbs.)	1227	1636	2045	2454	2863
Weight Per Foot (lbs.)		102	136	170	240	239



Standard Specifications GAPPER-O

BELT – High-Grip longitudinally grooved belt; NSL-11ESBV-U2 Endless Splice.

BED – 12 ga. galvanized slider pan mounted on a 17 in. x 12 ga. powder-painted formed steel channel frame.

SPRING TENSION TAKE-UP – 2 1/4 in. dia. take-up pulley; provides 16 ft. of belt take-up.

DRIVE PULLEY – 8 in. dia. with 1 11/16 in. dia. shaft at bearings, flat-faced and lagged.

BEARINGS – Sealed, pre-lubricated, ball bearings on drive. Precision bearings on tail shafts.

MOTOR – 2 HP Eurodrive Gearmotor with encoder ES7C.

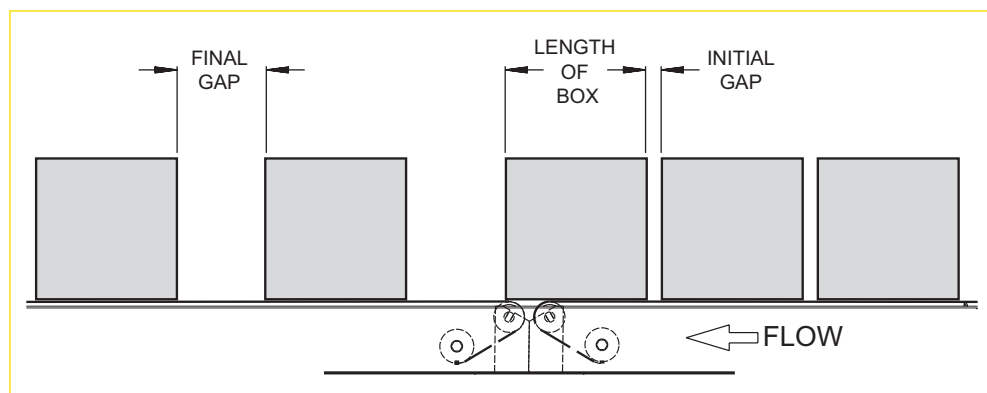
Note: As cartons pass from the infeed belt to the higher speed discharge belt, a gap is created between cartons according to the following formula:

FORMULA

$$\frac{\text{Length of Box} + \text{Final Gap}}{\text{Length of Box} + \text{Initial Gap}} = \text{Speed Gap Ratio (SGR)}$$

Gaps are then measured and speed altered during release of cartons to create desired final gap or pitch. This process is required at each transition where there is a speed change.

$$\text{SGR} = \frac{\text{Discharge Belt Speed}}{\text{Infeed Belt Speed}}$$



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

GUARD RAILS – Adjustable Universal Channel Guard Rail, overlapping fixed channel (one direction).

LENGTH – Optional 10 ft. long bed section available with 40 in. bed segments.

SB

Slider Bed Belt Conveyor

The model SB is a slider bed conveyor designed with channel frames and bolt in pans. Frame design makes it ideal for matching up with roller bed conveyors.

- 15 Belt Widths
- Center Drive
- Reversible
- System Ends
- Pop-Out Roller
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to Order Overall Length "A"	Bed Length "L"	Belth Width	10"	12"	14"	16"	18"	20"	22"	Size to Order Overall Length "A"	24"	28"	30"	34"	36"	42"	48"	54"
		Between Rail Width	13"	15"	17"	19"	21"	23"	25"		27"	31"	33"	37"	39"	45"	51"	57"
		Overall Frame Width	16"	18"	20"	22"	24"	26"	28"		30"	34"	36"	40"	42"	48"	54"	60"
12'	10'	Weights (lbs.)	561	593	625	657	689	721	753	12'	791	865	940	1014	1088	1162	1237	1312
17'	15'		660	696	732	768	804	840	876	17'	919	1002	1085	1167	1250	1333	1415	1497
22'	20'		760	800	840	880	920	960	1000	22'	1047	1138	1230	1321	1412	1503	1594	1682
27'	25'		859	903	947	991	1035	1079	1123	27'	1175	1275	1375	1474	1574	1673	1773	1867
32'	30'		959	1007	1054	1102	1150	1198	1246	32'	1304	1412	1520	1627	1735	1844	1952	2052
37'	35'		1058	1110	1162	1214	1266	1317	1369	37'	1432	1548	1665	1781	1897	2014	2130	2237
42'	40'		1158	1213	1269	1325	1381	1437	1492	42'	1560	1685	1810	1934	2059	2184	2309	2422
47'	45'		1257	1317	1377	1436	1496	1556	1616	47'	1688	1821	1955	2088	2221	2355	2488	2607
52'	50'		1357	1420	1484	1548	1612	1675	1739	52'	1816	1958	2100	2241	2383	2525	2667	2792
57'	55'		1456	1524	1592	1659	1727	1794	1862	57'	1944	2094	2245	2395	2545	2695	2845	2977
62'	60'		1556	1627	1699	1771	1842	1914	1985	62'	2072	2231	2390	2548	2707	2865	3024	3162
67'	65'		1655	1731	1806	1882	1957	2033	2109	67'	2200	2367	2535	2702	2869	3036	3203	3347
72'	70'		1755	1834	1914	1993	2073	2152	2232	72'	2328	2504	2680	2855	3031	3206	3382	3532
77'	75'		1854	1938	2021	2105	2188	2272	2355	77'	2456	2640	2825	3009	3193	3376	3560	3717
82'	80'		1954	2041	2129	2216	2303	2391	2478	82'	2585	2777	2970	3162	3354	3547	3739	3902
87'	85'		2053	2145	2236	2327	2419	2510	2601	87'	2713	2914	3115	3315	3516	3717	3918	4087
92'	90'		2153	2248	2343	2439	2534	2629	2725	92'	2841	3050	3260	3469	3678	3887	4097	4272
97'	95'		2252	2352	2451	2550	2649	2749	2848	97'	2969	3187	3405	3622	3840	4058	4275	4457
102'	100'		2352	2455	2558	2662	2765	2868	2971	102'	3097	3323	3550	3776	4002	4228	4454	4642

Note: All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

BELT – Ultimate 140 BBS–Nitrile.

BED – 12 ga. galvanized slider pan mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with splice plates.

CENTER DRIVE – Provides 16 in. of belt take-up. Minimum elevation is 17 3/4 in. Specify location. Minimum OAL without modification; 120 in. chain guard located on left hand side.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings. Guards included.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-up in center drive provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, ball bearings on drive and tail pulleys.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

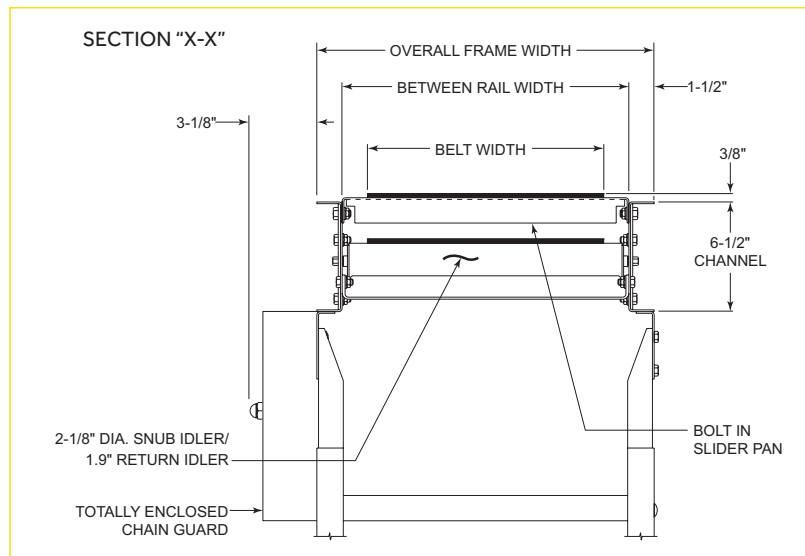
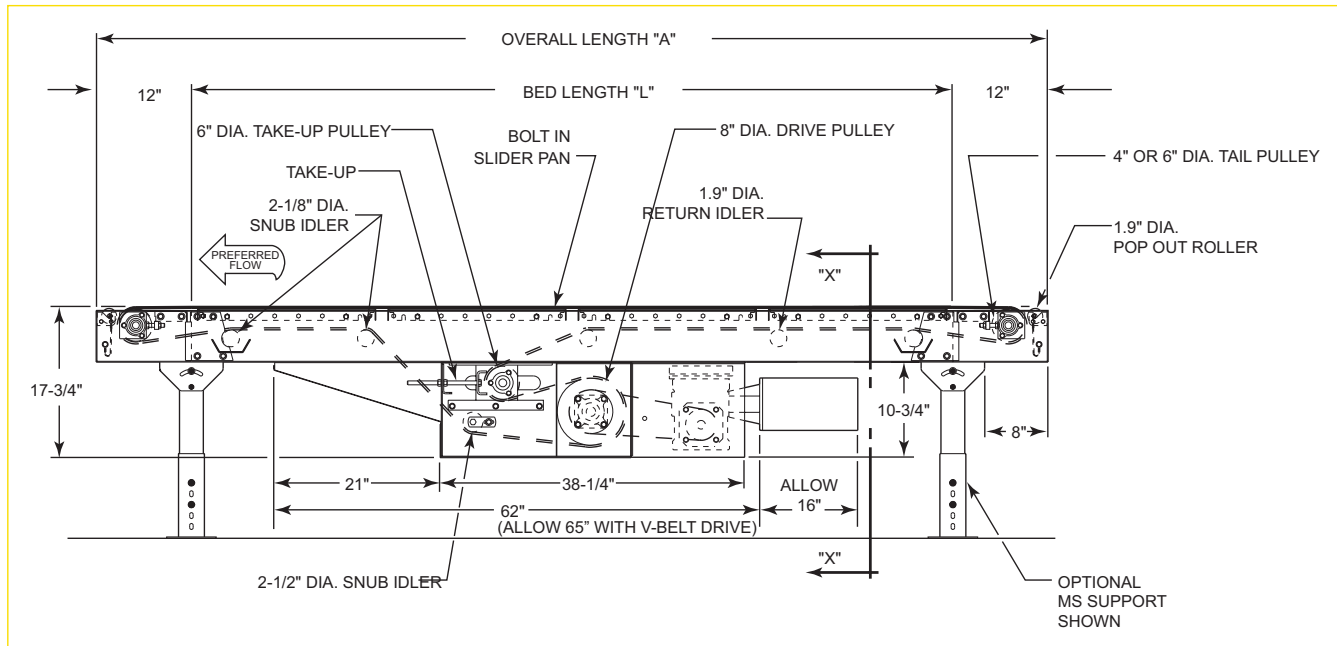
BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 100 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

8" Dia. Drive Pulley Horizontal Live Load Capacity @ 65 FPM			
Lengths Up to			
HP	Belt Widths To	52'	102'
Distributed Load (lbs.)			
1	14"	920	870
	24"	890	820
	36"	820	720
	48"	770	770
	54"	500	300
2	14"	1920	1870
	24"	1890	1820
	36"	1820	1730
	48"	1770	1650
	54"	1200	1050

SB



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BELT* – Black Trackmate 120 High-Grip Longitudinal Groove, White Polymate 100 RMP-COS (cover one side), Black Trackmate 533 COS-PVC, Tan Glidetop.

BELT SPEED* – Other constant and variable speeds. V-belt drive supplied on speeds under 17 FPM.

END DRIVE – 8 in. end drive mounted on end of unit. Requires underside take-up.

LOW ELEVATION SIDE MOUNTED CENTER DRIVE – Motor reducer unit mounted to side of conveyor. Minimum elevation 16 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer. Minimum overall drive width 14 in. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A and B angle. Fixed Channel overlapping, one direction. Fixed Channel non-overlapping, reversing. See Accessory section.

PULLEYS – 6 in. tail pulley with 1 3/16 in. dia. shaft at bearings in place of 4 in. when not furnished as standard.

CASTERS – See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – One direction manual start switch, reverse drum switch, non-reversing and reversible magnetic starters, push button stations. AC variable frequency drive.

* Note: Capacity affected with these options.

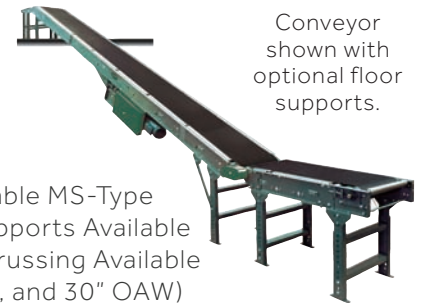
SBI

Incline Slider Bed Belt Conveyor

The model SBI is a floor-to-floor incline conveyor. It is equipped with an adjustable double nose-over at the discharge end to ensure a smooth transfer from the incline to horizontal plane. Inclines are easily adjusted up to 30 degrees. This conveyor can also be used as a booster conveyor in gravity flow systems.

- 12 Belt Widths
- Center Drive
- Reversible
- Brake Motor
- System Ends
- Double Nose-Over
- Pop-Out Roller
- Powered Feeder
- Ceiling Hangers Available

- Adjustable MS-Type Floor Supports Available
- Undertrussing Available (18", 24", and 30" OAW)



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to Order Overall Length "A" 4" Dia. Pulley	Bed Length "L"	"H" @ 25°		Belth Width	13"	15"	17"	19"	21"	23"	25"	Size to Order Overall Length "A" 6" Dia. Pulley	27"	31"	33"	37"	39"		
		"B" @ 25°	Infeed @ 30 1/2"	Between Rail Width	10"	12"	14"	16"	18"	20"	22"		24"	28"	30"	34"	36"	40"	42"
		Discharge @ 30 1/2"	Overall Frame Width	16"	18"	20"	22"	24"	26"	28"	30"		34"	36"	40"	42"			
13' 10"	10'	12' 8"	4' 11"	Weights (lbs.)	886	941	996	1051	1106	1161	1216	14'	1305	1457	1533	1685	1761		
15' 10"	12'	14' 7"	5' 8"		914	971	1028	1085	1142	1199	1256	16'	1347	1503	1581	1737	1815		
17' 10"	14'	16' 5"	6' 4"		942	1001	1060	1119	1178	1237	1296	18'	1389	1549	1629	1789	1869		
19' 10"	16'	18' 3"	7' 2"		970	1031	1092	1153	1214	1275	1336	20'	1431	1595	1677	1841	1923		
21' 10"	18'	20' 1"	8' 0"		998	1061	1124	1187	1250	1313	1376	22'	1473	1641	1725	1893	1977		
23' 10"	20'	21' 11"	8' 10"		1026	1091	1156	1221	1286	1351	1416	24'	1515	1687	1773	1945	2031		
25' 10"	22'	24' 8"	10' 0"		1054	1121	1188	1255	1322	1389	1456	22'	1557	1733	1821	1997	2085		
27' 10"	24'	25' 6"	10' 6"		1082	1151	1220	1289	1358	1427	1496	28'	1599	1779	1869	2049	2139		
29' 10"	26'	27' 4"	11' 5"		1110	1181	1252	1323	1394	1465	1536	30'	1641	1825	1917	2101	2193		
31' 10"	28'	29' 2"	12' 5"		1138	1211	1284	1357	1430	1503	1576	32'	1683	1871	1965	2153	2247		
33' 10"	30'	31' 0"	13' 1"		1166	1241	1316	1391	1466	1541	1616	34'	1725	1917	2013	2205	2301		
35' 10"	32'	33' 10"	14' 0"		1194	1271	1348	1425	1502	1579	1656	32'	1767	1963	2061	2257	2355		
37' 10"	34'	34' 8"	14' 7"		1222	1301	1380	1459	1538	1617	1696	38'	1809	2009	2109	2309	2409		
39' 10"	36'	36' 5"	15' 7"		1250	1331	1412	1493	1574	1655	1736	40'	1851	2055	2157	2361	2463		
41' 10"	38'	38' 2"	16' 6"		1278	1361	1444	1527	1610	1693	1776	42'	1893	2101	2205	2413	2517		
43' 10"	40'	40' 0"	17' 4"		1306	1391	1476	1561	1646	1731	1816	44'	1935	2147	2253	2465	2571		

Note: All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

SBI

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

BED – 12 ga. galvanized slider pan mounted in 6 1/2 in. x 12 ga. powder-painted, formed steel channel frame. Standard 4 ft., 6 ft., 8 ft., and 10 ft. long sections bolt together with splice plates.

DOUBLE NOSE-OVER – A 26 in. long horizontal and a 12 in. long nose-over section provides a two-step transition of product from incline to horizontal. Provides up to 30-degree incline adjustment.

LOW POWERED FEEDER – Chain type driven from tail pulley of inclined conveyor. Supports not included in base price.

CENTER DRIVE – Located on the incline section. Chain guard located on left hand side.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings; machine crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP – Take-ups in center drive provides 16 in. of belt take-up.

SNUB IDLER/NOSE-OVER ROLLERS – Adjustable 2 1/8 in. dia. or 2 1/2 in. dia. pre-lubricated ball bearings. Snub guards included.

RETURN IDLER – Adjustable 1.9 in. dia., pre-lubricated ball bearings.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive, tail and take-up pulley.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally Enclosed C-face SSB Brake Motor (6 ft./lb.).

BELT SPEED – Constant 65 FPM.

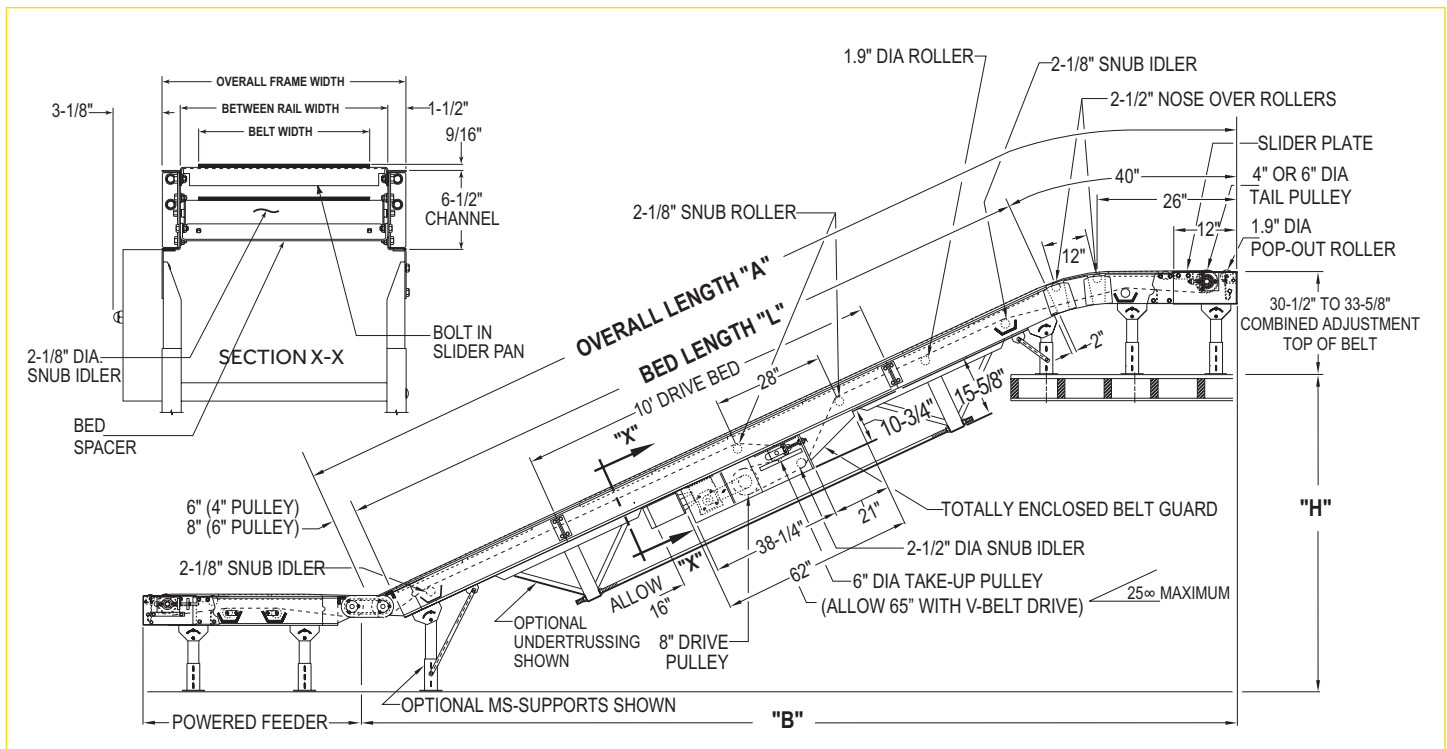
CAPACITY – Maximum load per linear foot of conveyor 100 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

BR	Belt Width	OAW	Feeder Length
13"	10"	16"	35 1/2"
15"	12"	18"	
17"	14"	20"	
19"	16"	22"	50 1/2"
21"	18"	24"	
23"	20"	26"	
25"	22"	28"	
27"	24"	30"	67 1/2"
31"	28"	34"	79 1/2"
33"	30"	36"	
37"	34"	40"	91 1/2"
39"	36"	42"	

Load Capacity Chart			
25° Incline @ 65 FPM W/High-Grip Belt			
HP	Belt Widths To	Lengths Up To	
		14'	44'
Distributed Load (lbs.)			
1	22"	390	375
	30"	380	355
	36"	375	340
2	22"	810	790
	30"	800	770
	36"	790	755

SBI



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-3 support.

BELT – Black Trackmate 120 Roughtop with PVC Cover, Brown Polymate Roughtop w/Nitrile cover, Pure Gum Rubber Roughtop.

BELT SPEED – Other constant and variable speeds v-belt drive supplied on speeds under 20 FPM (1 HP), 46 FPM (2 HP). Note: Capacity affected with speed change.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, overlapping fixed channel (one direction), non-overlapping fixed channel (bi-directional).

PULLEYS – 6 in. dia. tail pulley with 1 3/16 in. dia. shaft at bearings in place of 4 in. when not furnished as standard.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

UNDERTRUSSING – Available in place of ceiling hangers. Maximum bed length 40 ft. Maximum overall width 30 in.

MOTOR – Energy efficient, single phase, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing and reversible magnetic starters and push button stations. AC variable frequency drive.

TH

Trash Belt Conveyor

Designed to handle empty cardboard boxes and paper trash.

- 8 Belt Widths
- Center Drive
- Adjustable MS-Type Floor Supports Available
- Integral Side Guards
- Underside Bed Cover Full Length



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to Order Overall Length "A" 4" Dia. Pulley		Bed Length "L"	Weights (lbs.)								
			Belth Width								
			11 1/2"	17 1/2"	23 1/2"	29 1/2"	35 1/2"	41 1/2"	47 1/2"	53 1/2"	
			Between Rail Width	13"	19"	25"	31"	37"	43"	49"	55"
			Overall Frame Width	16"	22"	28"	34"	40"	46"	52"	58"
12'	10'	Weights (lbs.)		732	867	1002	1137	1272	1408	1542	1676
22'	20'			974	1152	1330	1508	1686	1865	2042	2219
32'	30'			1216	1437	1658	1879	2100	2322	2542	2762
42'	40'			1458	1722	1986	2250	2514	2779	3042	3305
52'	50'			1700	2007	2314	2621	2928	3236	3542	3848
62'	60'			1942	2292	2642	2992	3342	3693	4042	4391
72'	70'			2184	2577	2970	3363	3756	4150	4542	4934
82'	80'			2426	2862	3298	3734	4170	4607	5042	5477
92'	90'			2668	3147	3626	4105	4584	5064	5542	6020
102'	100'			2910	3432	3954	4476	4998	5521	6042	6563
112'	110'			3152	3717	4282	4847	5412	5978	6542	7106
122'	120'			3394	4002	4610	5218	5826	6435	7042	7649
132'	130'			3636	4287	4938	5589	6240	6892	7542	8192
142'	140'			3878	4572	5266	5960	6654	7349	8042	8755
152'	150'			4120	4857	5594	6331	7068	7806	8542	9278

Add to above weights for the following accessories:

Noseover with 2 pulley hitch	138	172	206	240	274	308	342	376
Other guard rails - pair - 6" high x 10' lg.	32	32	32	32	32	32	32	32
Per 10' Int. section with support and belt	242	285	328	371	414	457	500	543

Above weights include 6" high guards, MS-6 in. and 8 in. center drive. Accessories, crating, etc., are not included.

Standard Specifications

BELT – Horizontal units: Ultimate 140 BBS–Nitrile.

BED – 14 ga. formed steel slider bed bolted between two 7 1/2 in. deep x 12 ga. formed steel side channels with 6 in. high guards. Standard 5, 6, 7, 8, 9, and 10 ft. long sections.

CENTER DRIVE – Minimum elevation is 16 11/16 in. Can be placed on any section of conveyor length. Minimum OAL without modification 12 ft. 0 in. Chain guard located on left hand side.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned 13 in., 19 in., and 25 in. BR up to 150 ft. long. 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned all other applications.

SNUB IDLER – Adjustable 2 1/8 in. dia. with HD pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated bearings.

BEARINGS – Sealed, pre-lubricated, self-aligning, cast-iron ball bearings on drive and tail pulleys.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50, 60 or 80 roller chain to drive pulley depending on speed and length.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 10 lbs.

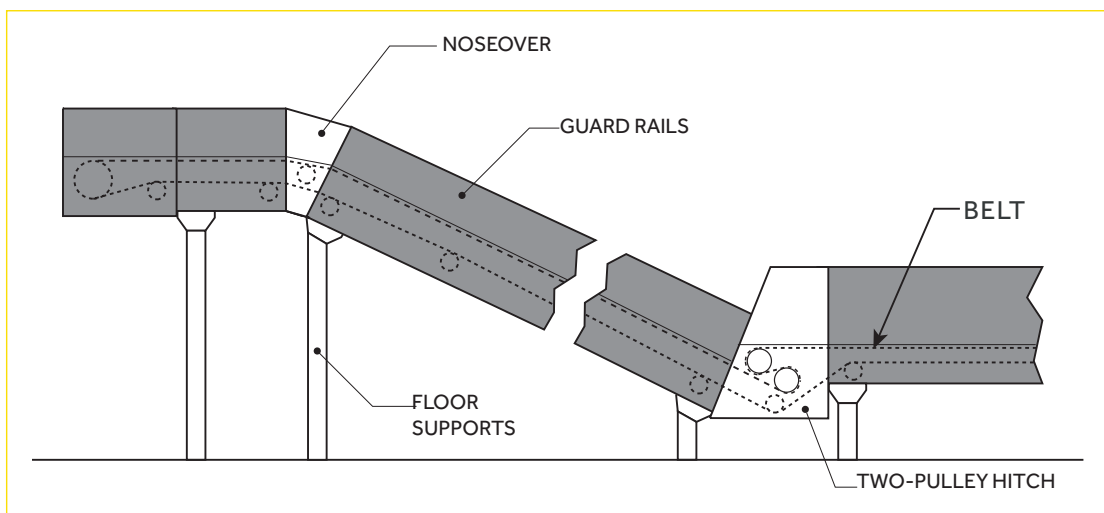
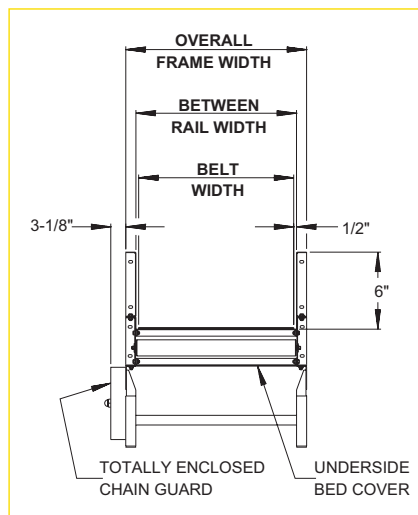
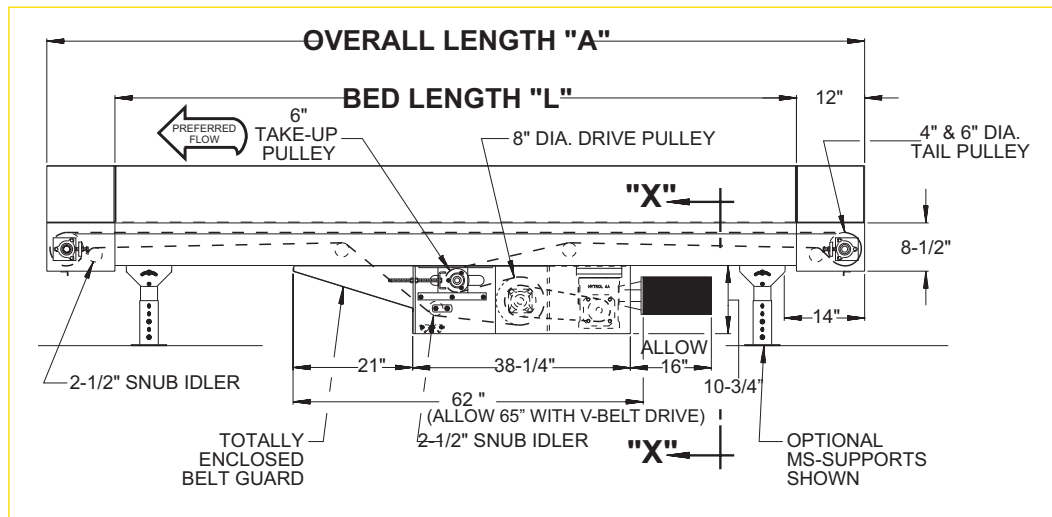
DUST PANS – Solid 16 ga. underside dust covers held in place by 1/4 turn screws for easy removal.

FLOOR SUPPORTS – Supplied as optional equipment.

Load Capacity Chart @ 65 FPM with Standard Belt					
HP	Overall Frame Width To	Total Load lbs. Overall Length			
		50'	75'	100'	150'
1	28"	550	470	395	240
	40"	460	345	230	-
	52"	370	215	-	-
	58"	360	200	-	-
2	28"	1275	1200	1125	970
	40"	1190	1075	960	730
	52"	1100	945	795	490
	58"	1000	900	700	400

Load Capacity Chart @ 65 FPM with High-Grip Belt									
HP	Overall Frame Width To	Total Load lbs. Overall Length							
		8 Ft. Lift Overall Length				12 Ft. Lift Overall Length			
		50'	75'	100'	150'	50'	75'	100'	150'
1	28"	380	350	310	190	330	320	290	180
	40"	310	250	170	-	270	230	150	-
	52"	240	140	-	-	210	130	-	-
	58"	200	-	-	-	-	-	-	-
2	28"	500	750	920	840	500	750	850	790
	40"	500	750	780	620	500	750	720	590
	52"	500	720	630	400	500	650	580	380
	58"	500	500	500	500	500	500	500	500

TH



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BELT – Inclined units: Black Trackmate 120 High-Grip Longitudinal Groove with PVC cover. Recommended but not required. Contact Factory for Application Information.

BELT SPEED – Others constant or variable.

END DRIVE – 8 in. side mounted end drive with underside takeup.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

NOSEOVER – 10, 12 1/2, and 15 degrees. Fixed single nose for transition of product from incline to horizontal.

TWO-PULLEY HITCH – For transition of product from horizontal to incline (10, 12 1/2, and 15 degrees).

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – One direction manual start switch, non-reversing starters, push button stations. AC variable frequency drive.

SIDE GUARDS – Available 12 in. to 24 in. high vertical. Flared guards available on 6 in. and 12 in. high only.

MANUAL UNDERSIDE TAKE-UP – Provides 16 in. of belt take-up up to 150 ft.

PNEUMATIC UNDERSIDE TAKE-UP – Provides 60 in. of belt take-up for conveyors over 151 ft.

TL

Heavy-Duty Belt Conveyor

The model TL with its rugged, heavy-duty construction is ideally used for long assembly line operations, inspections, testing, sorting, and packing. Can be floor supported or ceiling hung.

- 6 Belt Widths
- Reversible (with Center Drive)
- Rugged Construction
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to Order Overall Length "A" 6" Dia. Tail Pulley	Bed Length "L"	Overall Length with Center Drive	Belt Width	24"	30"	36"	42"	48"	52"
			Bed Width	30"	36"	42"	48"*	54"*	58"*
7' 1"	5'	6' 4"	Weights (lbs.)	375	N/A	N/A	N/A	N/A	N/A
12' 1"	10'	11' 4"		475	555	615	888	974	1060
17' 1"	15'	16' 4"		625	686	752	1084	1191	1298
22' 1"	20'	21' 4"		725	796	867	1280	1408	1536
27' 1"	25'	26' 4"		875	967	1065	1476	1625	1774
32' 1"	30'	31' 4"		975	1077	1180	1672	1842	2012
37' 1"	35'	36' 4"		1125	1248	1377	1868	2059	2250
42' 1"	40'	41' 4"		1225	1358	1492	2064	2276	2488
47' 1"	45'	46' 4"		1375	1529	1690	2260	2493	2726
52' 1"	50'	51' 4"		1475	1639	1805	2456	2710	2964
57' 1"	55'	56' 4"		1625	1810	2002	2652	2927	3202
62' 1"	60'	61' 4"		1725	1920	2117	2848	3144	3440
67' 1"	65'	66' 4"		1875	2091	2315	3044	3361	3678
72' 1"	70'	71' 4"		1975	2201	2430	3240	3578	3916
77' 1"	75'	76' 4"		2125	2372	2627	3436	3795	4154
82' 1"	80'	81' 4"		2225	2482	2742	3632	4012	4392
87' 1"	85'	86' 4"		2375	2653	2940	3828	4229	4630
92' 1"	90'	91' 4"		2479	2763	3055	4024	4446	4868
97' 1"	95'	96' 4"		2625	2934	3252	4220	4663	5106
102' 1"	100'	101' 4"		2725	3044	3367	4416	4880	5334

Note: All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
*5'0" bed, v-belt drive only

Standard Specifications

TL

BELT – Ultimate 140 BBS–Nitrile.

BED – 6 5/8 in. deep x 12 ga. formed steel slider bed-powder-painted. Reinforced with 3/4 in. pipe which forms sockets for guard rails. Standard 5 ft. and 10 ft. long sections bolt together with splice plates. 48 in. and 51 in. bed widths are available in 5 ft. lengths only.

END DRIVE – Located on discharge end of conveyor, chain guard on left hand side.

DRIVE PULLEY – 8 in. dia. with 1 3/16 in. dia. shaft at bearings or 8 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned and fully lagged. See chart.

TAIL PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. for tail end 2 1/2 in. dia for drive end. Pre-lubricated ball bearings. Guards included.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, ball bearings on drive and tail pulleys.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

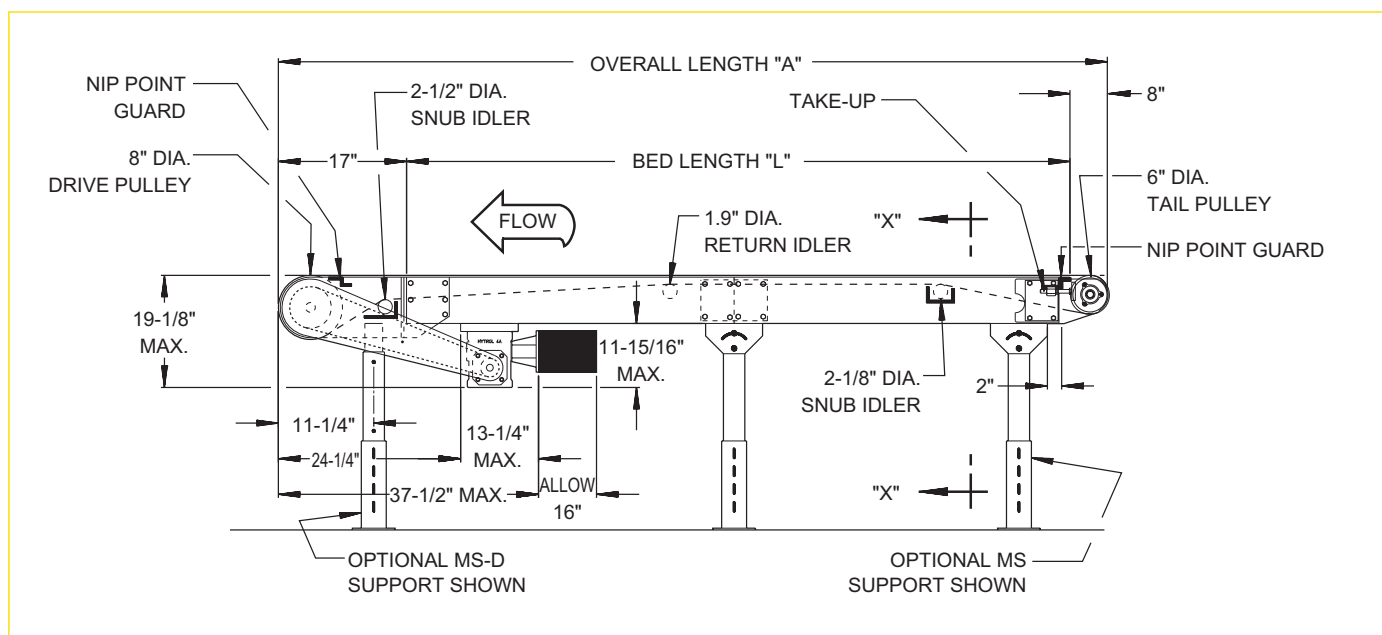
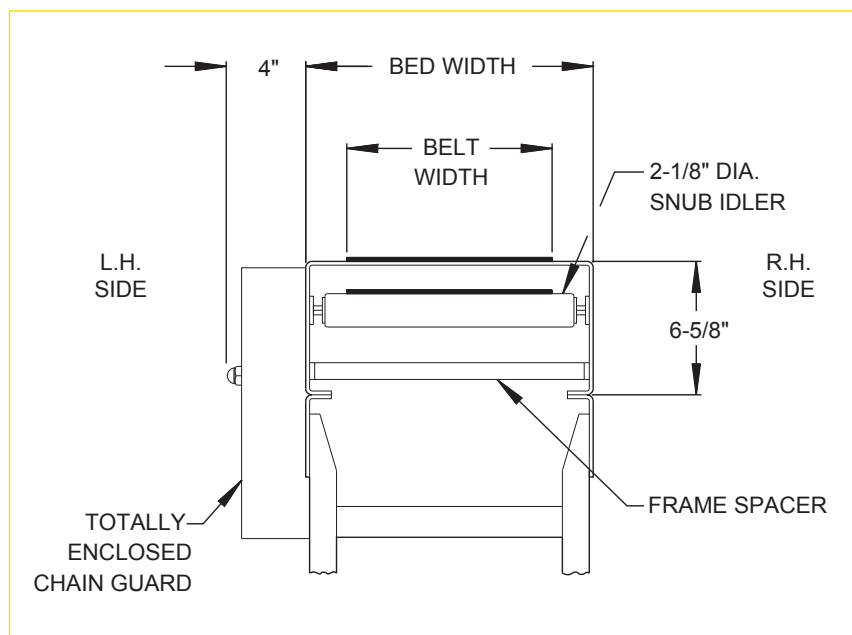
BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 100 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

8" Dia. Drive Pulley Horizontal Live Load Capacity @ 65 FPM			
HP	Belt Widths To	Lengths Up To	
		52'	102'
		Distributed Load (lbs.)	
1	24"-30"	530	350
	36"-42"	450	250
	48"-52"	360	100
2	24"-30"	1250	1100
	36"-42"	1200	950
	48"-52"	1100	850

TL



Optional Equipment

TL

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BELT* – White Polymate 100 RMP-COS (cover one side), Black Trackmate 120 Roughtop with PVC cover, Brown Polymate Roughtop w/Nitrile cover, Black Trackmate 533 COS-PVC, Tan Glidetop, Pure Gum Rubber Roughtop. Incline units: Black Trackmate 120 High Grip Longitudinal Groove.

BELT SPEED* – Other constant and variable speeds. V-belt drive supplied under 17 FPM.

SHAFT-MOUNTED END DRIVE – Motor reducer unit mounted on left hand side of conveyor. Can be mounted with motor horizontal for 4 7/8 in. minimum elevation. Mounting bracket and torque arm allows for multiple mounting positions. 4 in. drive only. See chart page 5 for speeds.

OVERHEAD END DRIVE – Motor-reducer unit mounted 9 1/2 in. above belt. Other clearances available, specify. Chain guard right hand side. Minimum elevation 6 in. with 4 in. drive, 10 in. with 8 in. drive.

SIDE MOUNTED END DRIVE – Motor-reducer unit mounted on left hand side of conveyor. Minimum elevation is 10 in.

CENTER DRIVE – Provides 16 in. of belt take-up. Minimum elevation 20 in. Specify Location. Minimum OAL 66 in.

LOW ELEVATION SIDE MOUNTED CENTER DRIVE – Motor-reducer unit mounted to side of conveyor. Minimum elevation is 16 1/2 in.

STACKED END DRIVE – Contact factory for minimum elevations.

V-BELT DRIVE – V-Belt supplied between motor and reducer. Minimum overall drive width 14 in. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant. Recommended for applications that do not permit regular lubrication.

*Note: Capacity affected with these options.

UNDERSIDE TAKE-UP – Provides 16 in. of belt take-up. Extends down 15 3/4 in. from top of belt.

NOSEOVER* – Adjustable, single (0° to 15°), double (0° to 30°).

GUARD RAILS – Adjustable universal channel guard rail, solid side guards, PC side guards with formed top. Fixed Channel overlapping, one direction (use with systems ends only). Fixed Channel non-overlapping, reversing (use with system ends only).

LOW POWERED FEEDER* – Chain type driven from tail pulley of inclined conveyor. Underside take-up required when end drive is used. MS-Type floor supports supplied as optional equipment. 8 in. dia. drive recommended on conveyor when feeder exceeds 44 1/2 in. OAL–50 1/2 in. OAL with system end.

GRAVITY BRACKETS – Adjustable bars with 1 in. dia. pop-out transfer roller to attach wheel or 1 3/8 in. roller conveyor. Available 12 in. to 28 in. bed widths only.

BUTT COUPLINGS – Provides connection to SB, RB, LR, ACC, ACZ, ABEZ, 190-NSP, 190-NSPEZ, 1.9 in. and 2.0 in. gravity conveyors. Includes 1.9 in. dia. pop-out transfer roller. Center drive or underside take-up required.

SYSTEM END ROLLER – 12 in. long tail sections provide connection to SB, RB, LR, ACC, ACZ, ABEZ, 190-NSP, 190-NSPEZ, 1.9 in. and 2.0 in. gravity conveyors. Includes 1.9 in. dia. pop-out transfer roller. Belt width is 6 in. less than bed width. Center drive or underside take-up required.

CASTERS – See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – One direction manual start switch, reverse drum switch, non-reversing and reversible magnetic starters, push button stations. AC variable frequency drive.

TR

Slider Bed Belt Conveyor

The model TR, with built-in guard rails, is ideal for overhead conveying applications. It easily conveys boxes, cartons, cases, bags, etc. as well as loose parts.

- 10 Belt Widths
- Reversible (with Center Drive)
- Troughed Bed
- Adjustable MS-Type Floor Supports Available



TECHNICAL MANUAL

Size to Order Overall Length "A" Bed Length "L" Overall Length with Center Drive Drive Pulley				Black Friction Surface Belt Widths									
				6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
				Between Side Guards									
				7"	9"	11"	13"	15"	17"	19"	21"	25"	31"
				Overall Bed Widths									
				8"	10"	12"	14"	16"	18"	20"	22"	26"	32"
				Conveyor Weights									
6'	5'	6'	4" Dia.	254	267	277	287	297	320	330	358	381	404
11'	10'	11'		301	316	330	344	358	398	412	427	452	477
16'	15'	16'		369	388	407	425	443	501	520	539	573	607
21'	20'	21'		422	445	468	490	512	535	558	581	627	696
26'	25'	26'		491	519	546	573	599	627	655	683	739	823
31'	30'	31'		538	570	601	632	662	694	726	758	822	918
36'	35'	36'		535	621	656	694	737	773	810	846	919	1029
41'	40'	41'		655	695	735	759	813	853	894	935	1017	1140
46'	45'	46'		702	747	760	836	892	932	978	1023	1114	1249
51'	50'	51'	775	825	874	923	971	1022	1072	1122	1222	1372	
56' 4"	55'	56'	8" Dia.	822	876	929	985	1046	1101	1156	1210	1319	1481
61' 4"	60'	61'		892	950	1008	1065	1122	1181	1240	1299	1417	1594
66' 4"	65'	66'		939	1001	1063	1127	1197	1260	1324	1387	1514	1703
71' 4"	70'	71'		1013	1081	1148	1215	1281	1351	1419	1487	1623	1827
76' 4"	75'	76'		1060	1132	1203	1277	1356	1430	1503	1575	1720	1936
81' 4"	80'	81'		1130	1206	1282	1357	1432	1521	1587	1664	1818	2049
86' 4"	85'	86'		1146	1257	1337	1419	1507	1589	1671	1752	1915	2158
91' 4"	90'	91'		1177	1331	1415	1499	1582	1669	1754	1839	2039	2324
96' 4"	95'	96'		1293	1382	1470	1561	1657	1748	1838	1927	2136	2433
101' 4"	100'	101'	1363	1456	1549	1641	1733	1828	1922	2016	2204	2486	

Note: All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

BELT – Ultimate 140 BBS–Nitrile.

BED – 4 in. deep x 12 ga. formed steel slider bed with 2 1/2 in. deep guards, powder-painted. Standard 5 ft. and 10 ft. long sections bolt together with splice plates.

END DRIVE – Located on discharge end of conveyor, chain guard on left hand side.

DRIVE PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 8 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned and fully lagged. See chart.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings. Guards included.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, ball bearings on drive and tail pulleys.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

BELT SPEED – Constant 65 FPM.

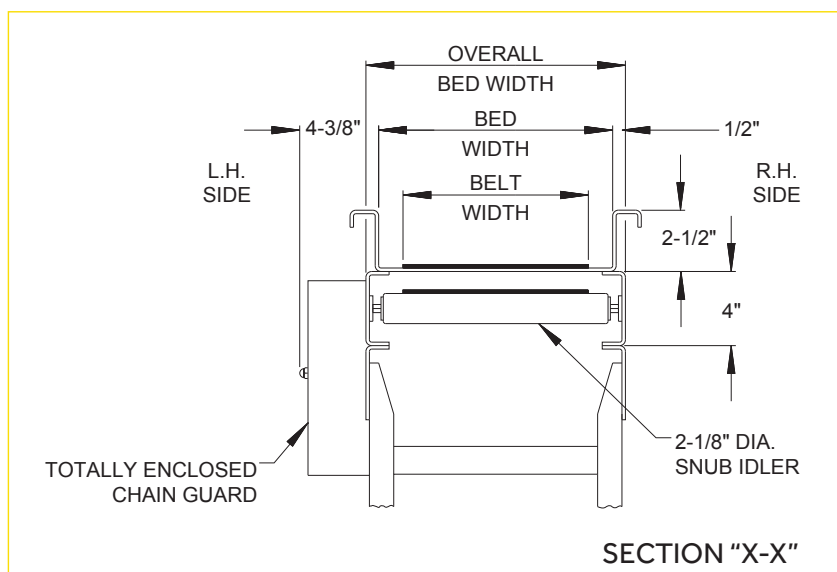
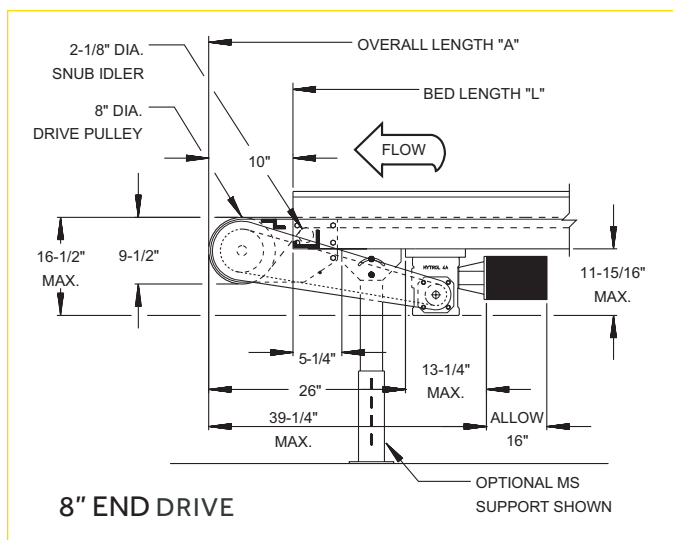
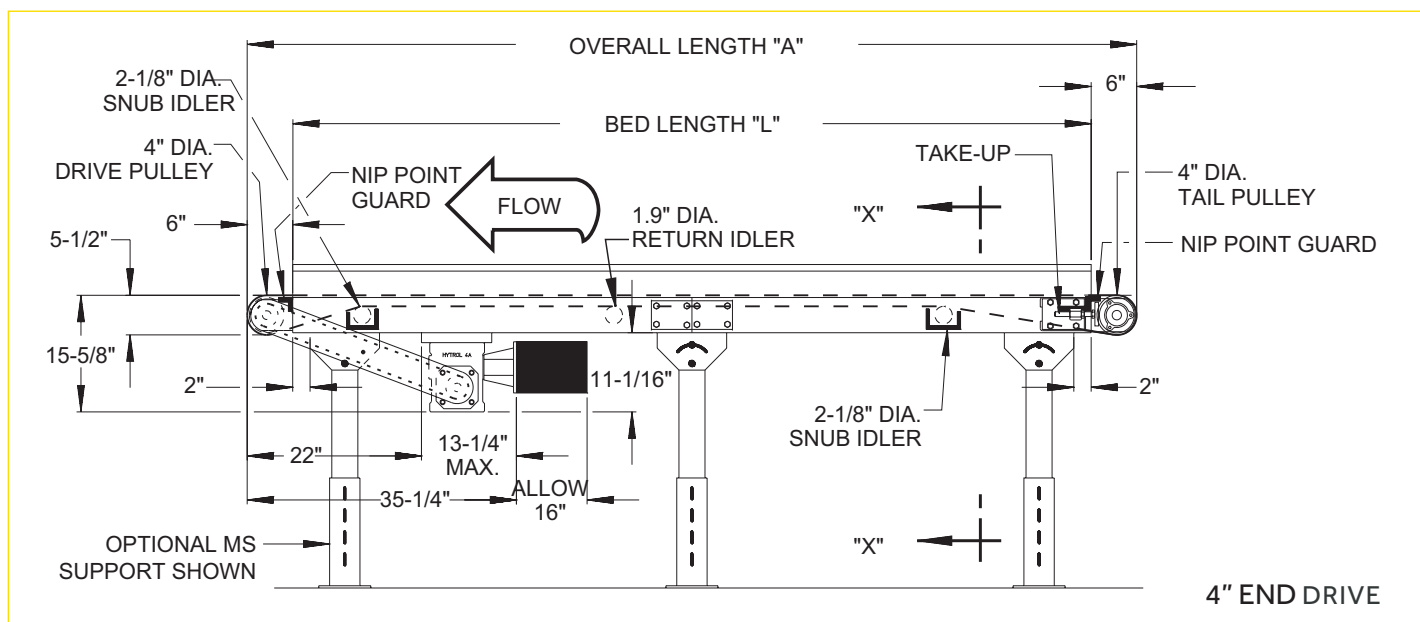
CAPACITY – Maximum load per linear foot of conveyor 75 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

Load Capacity Chart @ 65 FPM W/ Standard Belt								
HP	Belt Widths To	Lengths Up To						
		4" dia. Drive Pulley					8" dia. Drive Pulley	
		11'	21'	31'	41'	51'	77'	102'
		Distributed Load (lbs.)						
1/2	16"	335	320	310	300	285	260	230
	24"	320	300	285	270	255	210	170
	30"	300	275	255	235	215	165	115
1	16"	650	635	625	615	605	625	595
	24"	635	620	600	585	570	580	540
	30"	620	595	575	550	530	535	480

Load Capacity Chart 25° Inclined @ 65 FPM W/ High-Grip Belt						
HP	Belt Widths To	Lengths Up To				
		4" dia. Drive Pulley				
		11'	21'	31'	41'	51'
		Distributed Load (lbs.)				
1/2	16"	155	145	135	125	110
	24"	145	130	115	100	80
	30"	135	115	95	75	55
1	16"	310	300	290	280	270
	24"	305	285	270	255	240
	30"	290	270	250	230	210

TR



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BELT* – White Polymate 100 RMP-COS (cover one side), Black Trackmate 120 High-Grip Longitudinal Groove with PVC cover, Brown Polymate Roughtop w/Nitrile cover, Black Trackmate 533 COS-PVC, Tan Glidetop, Brown Nitrile Roughtop.

BELT SPEED* – Other constant and variable speeds. V-belt drive supplied under 17 FPM.

HIGHER SIDES – 4 in., 6 in., 9 in., and 12 in. high vertical sides (12 in. maximum).

OVERHEAD END DRIVE – Motor reducer unit mounted 9 1/2 in. above belt. Other clearances available, specify. Chain guard RH side. Minimum elevation 6 in. with 4 in. drive, 10 in. with 8 in. drive.

SIDE MOUNTED END DRIVE – Motor reducer unit mounted to LH side of conveyor. Minimum elevation 7 in. with 4 in. drive, 10 in. with 8 in. drive.

CENTER DRIVE – Provides 16 in. of belt take-up. Minimum elevation 16 in. with 4 in. drive, 17 in. with 8 in. drive. Specify location. Minimum OAL without modification-63 in. with 4 in. drive, 66 in. with 8 in. drive.

LOW ELEVATION SIDE MOUNTED CENTER DRIVE – Motor-reducer unit mounted to side of conveyor. Minimum elevation 13 1/2 in. with 4 in. or 8 in. drive.

STACKED END DRIVE – Minimum elevation 27 3/4 in. with v-belt drive, 33 3/4 in. with C-face drive.

Shaft-mounted END DRIVE – Contact Factory

V-BELT DRIVE – V-belt supplied between motor and reducer. Minimum overall drive width 14 in. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

UNDERSIDE TAKE-UP – Provides 16 in. of belt take-up. Extends down 13 1/4 in. from top of belt.

NOSEOVER* – Adjustable, single (0 to 15 degrees), double (0 to 30 degree).

LOW POWERED FEEDER* – Chain type driven from tail pulley of inclined conveyor. Underside take-up required when end drive is used. MS-Type floor supports supplied as optional equipment. 8 in. dia. drive recommended on conveyor when feeder exceeds 44 1/2 in. OAL.

GRAVITY BRACKETS – Adjustable bars with 1 in. dia. pop-out transfer roller to attach wheel or 1 3/8 in. roller conveyor. Available 11 in. to 25 in. bed widths only.

BUTT COUPLINGS – Provides connection to SB, RB, LR, ACC, ACZ, ABEZ, 190-NSP, 190-NSPEZ, 1.9 in. and 2.0 in. gravity conveyors. Includes 1 in. dia. pop-out roller. Center drive or underside take-up recommended.

PULLEYS – 6 in. tail with 1 3/16 in. dia. shaft at bearings or 8 in. drive with 1 3/16 in. dia. shaft at bearings.

CASTERS – See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – One direction manual start switch, reverse drum switch, non-reversing and reversible magnetic starters, push button stations. AC variable frequency drive.

*Note: Capacity affected with these options.

C

Cleated Incline Belt Conveyor

The model C handles bags, boxes, cartons and parts. It may be set at any angle from horizontal to 45 degrees for various uses, including floor-to-floor conveying and the transportation of materials from building to truck or box car.

TECHNICAL MANUAL

- 4 Belt Widths
- Reversible
- Cleated Highgrip Belt
- Gravity Conveyor Brackets
- Pop-Out Roller
- Undertrussed Bed
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

Size To Order Overall Length "A"	Bed Length "L"	"H" @ 40° Infeed @ 30" Discharge @ 30"	"B" @ 40°	14" Belt 20" Bed		18" Belt 24" Bed		24" Belt 30" Bed		30" Belt 36" Bed	
				Motor HP	Weight (lbs.)	Motor HP	Weight (lbs.)	Motor HP	Weight (lbs.)	Motor HP	Weight (lbs.)
7' 5"	6'	—	—	3/4	385	3/4	585	1 1/2	770	1 1/2	955
9' 5"	8'	—	—	3/4	415	3/4	640	1 1/2	845	1 1/2	1050
11' 5"	10'	—	—	3/4	435	1 1/2	670	1 1/2	880	1 1/2	1145
13' 5"	12'	8' 6"	11' 0"	3/4	450	1 1/2	695	1 1/2	910	1 1/2	1240
15' 5"	14'	9' 9"	12' 6"	3/4	500	1 1/2	750	1 1/2	985	1 1/2	1335
17' 5"	16'	11' 0"	13' 0"	3/4	545	1 1/2	805	1 1/2	1060	1 1/2	1430
19' 5"	18'	12' 3"	14' 7"	3/4	585	1 1/2	860	1 1/2	1135	1 1/2	1525
21' 5"	20'	13' 6"	16' 1"	1 1/2	615	1 1/2	915	1 1/2	1210	1 1/2	1620
23' 5"	22'	14' 9"	17' 7"	1 1/2	655	1 1/2	970	1 1/2	1285	1 1/2	1715
25' 5"	24'	16' 0"	19' 2"	1 1/2	700	1 1/2	1025	1 1/2	1360	1 1/2	1810
27' 5"	26'	17' 3"	20' 8"	1 1/2	730	1 1/2	1080	1 1/2	1430	1 1/2	1905
29' 5"	28'	18' 6"	22' 2"	1 1/2	755	1 1/2	1135	1 1/2	1505	1 1/2	2000
31' 5"	30'	19' 6"	23' 9"	1 1/2	790	1 1/2	1190	1 1/2	1580	1 1/2	2095
33' 5"	32'	21' 0"	25' 3"	1 1/2	825	1 1/2	1245	1 1/2	1650	1 1/2	2190
35' 5"	34'	22' 3"	26' 10"	1 1/2	860	1 1/2	1310	1 1/2	1720	1 1/2	2285
37' 5"	36'	23' 6"	28' 4"	1 1/2	895	1 1/2	1375	1 1/2	1790	1 1/2	2380
39' 5"	38'	24' 9"	29' 10"	1 1/2	930	1 1/2	1430	1 1/2	1860	1 1/2	2475
41' 5"	40'	26' 0"	31' 5"	1 1/2	965	1 1/2	1495	1 1/2	1930	1 1/2	2570
43' 5"	42'	27' 3"	32' 11"	1 1/2	1000	1 1/2	1560	1 1/2	2000	1 1/2	2665
45' 5"	44'	26' 6"	34' 5"	1 1/2	1035	1 1/2	1625	1 1/2	2070	1 1/2	2760

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Guard Rails – Adjustment Chart				
Belt Width	Bed Width	"S" Cleat Spacing	"G"	"W"
14"	20"	6"	17 1/2" to 26 1/2"	22 1/2" to 31 1/2"
18"	24"	10"	21 1/2" to 30 1/2"	26 1/2" to 35 1/2"
24"	30"	10"	27 1/2" to 36 1/2"	32 1/2" to 41 1/2"
30"	36"	14"	33 1/2" to 42 1/2"	38 1/2" to 47 1/2"

Standard Specifications

C

END DRIVE – Located on discharge end of conveyor.

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

CLEATS – Two 1 1/2 in. dia. x 1 in. high hardwood cleats, fastened to belt by 5/16 in. elevator bolts spaced every 60 in. Can be supplied less cleats. Specify.

BED – 6 5/8 in. deep x 12 ga. powder-painted, formed steel slider bed. Reinforced with 3/4 in. pipe which forms sockets for guard rails. Standard 6 ft., 8 ft., and 10 ft. long sections bolt together with splice plates.

UNDERTRUSSED BED – Undertrussing provided on beds from 20 ft. through 40 ft. long. Others supported by either MS type floor supports or ceiling hangers. Unsupported bed joints are reinforced by joint support angles.

INCLINE – Adjustable from horizontal to 45 degrees.

DRIVE PULLEY – 14 in. dia. with 1 in. dia. removable shaft for 20 in. wide bed; 1 1/4 in. dia. removable shaft for 24 and 30 in. wide beds. Crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearing, machine crowned.

SNUB IDLER – Adjustable 2 1/2 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 4 in. dia. spooled idler to provide clearance for cleats. Pre-lubricated ball bearings.

TAKE-UP – Take-ups at tail pulley. Provides 4 in. of belt take-up.

GRAVITY BRACKETS – Adjustable bars with 1 in. dia. pop-out transfer roller to attach wheel or 1 3/8 in. dia. roller conveyor.

BEARINGS – Sealed, pre-lubricated, self-aligning, ball bearings at tail pulley. Re-lubricate roller bearings on drive pulley.

MOTOR – Energy efficient motor with brake. See chart.

BELT SPEED – Constant 65 FPM.

CAPACITY – See Load Capacity Chart.

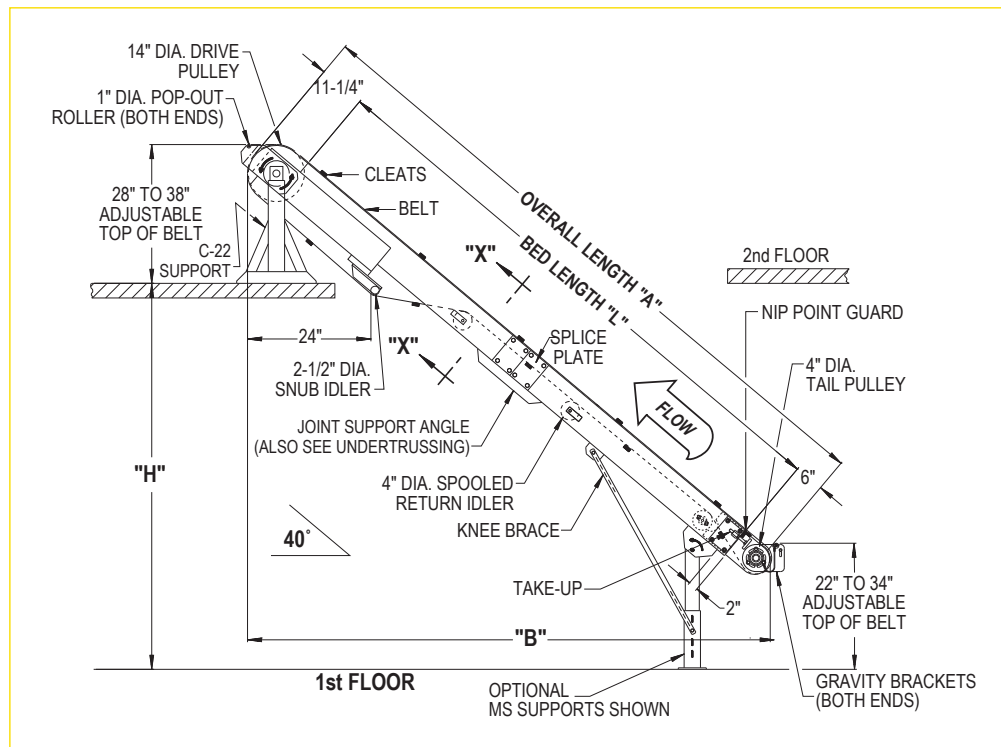
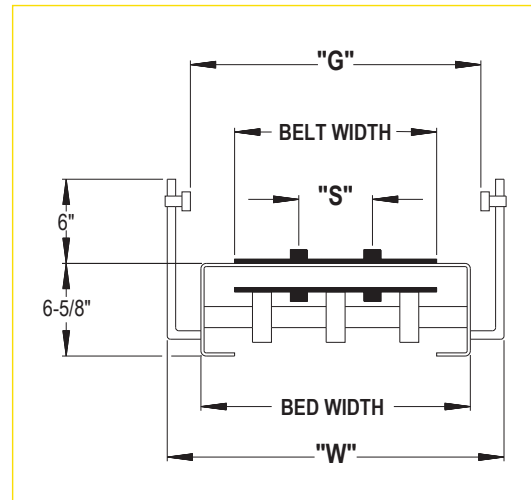
FLOOR SUPPORTS – Supplied as optional equipment.



Shown with optional lower powered feeder and supports.

Live Load Capacity-40° Incline @ 65 FPM				
HP	Belt Widths To	Lengths Up To		
		20'	30'	46'
Distributed Load (lbs.)				
3/4	14"	250	240	230
	18"	245	235	220
	24"	240	225	205
	30"	235	220	190
1 1/2	14"	520	515	500
	18"	515	505	490
	24"	510	495	475
	30"	505	490	460

C



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-3 support.

BELT – Black Polymate 120 Roughtop with PVC Cover, Brown Polymate Roughtop w/Nitrile cover.

BELT SPEED – Other constant speeds available, contact factory. Note: Capacity affected with speed change.

GUARD RAILS – Adjustable Universal Channel Guard Rail.

LOW POWERED FEEDER – Chain type driven from pulley of inclined conveyor. Note: Conveyor tail pulley is used for belt take-up. When belt tension is adjusted, feeder will have to be moved along with the take-up. Note: Capacity affected with this option.

PULLEYS – 6 in. dia. tail pulley with 1 3/16 in. dia. shaft at bearing.

FLOOR SUPPORTS – Infeed end (MS type) heights other than standard available, specify elevation. Discharge end (C-22) higher than standard to 48 in., specify elevation.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

REMOTE SWITCH CONTROL – Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on left side, looking up with drive at top. Specify if required on other side.

MOTOR – 1 1/2 HP maximum.

CONVEYING SPEED – Speeds other than 65 FPM will require gear box change (contact factory).

ELECTRICAL CONTROLS – One direction manual start switch, reverse drum switch, non-reversing and reversible magnetic starters, push button stations. AC variable frequency drive.

RB

Belt-Over Roller Conveyor

The model RB is designed to move heavier loads. Roller bed design reduces belt friction and provides greater capacity. Applications include: assembly, inspection, and packing operations.

- 15 Belt Widths
- Reversible
- Moves Heavier Loads
- Center Drive
- System Ends
- Pop-out Roller
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to Order Overall Length "A" 4" Dia. Tail Pulley	Bed Length "L"	Bet- ween Rail Width	13"	15"	17"	19"	21"	23"	25"	Size to Order OAL "A" 6" Dia. Pulley	27"	31"	33"	37"	39"	45"	51"	54"	
		Belt Width	10"	12"	14"	16"	18"	20"	22"		24"	28"	30"	34"	36"	40"	42"	48"	57"
		Overall Frame Width	16"	18"	20"	22"	24"	26"	28"		30"	34"	36"	40"	42"	48"	54"	60"	
12'	10'	Weights (lbs.)	561	593	625	657	689	721	753	12'	791	865	940	1014	1088	1162	1237	1312	
17'	15'		660	696	732	768	804	840	876	17'	919	1002	1085	1167	1250	1333	1415	1497	
22'	20'		760	800	840	880	920	960	1000	22'	1047	1138	1230	1321	1412	1503	1594	1682	
27'	25'		859	903	947	991	1035	1079	1123	27'	1175	1275	1375	1474	1574	1673	1773	1867	
32'	30'		959	1007	1054	1102	1150	1198	1246	32'	1304	1412	1520	1627	1735	1844	1952	2052	
37'	35'		1058	1110	1162	1214	1266	1317	1369	37'	1432	1548	1665	1781	1897	2014	2130	2237	
42'	40'		1158	1213	1269	1325	1381	1437	1492	42'	1560	1685	1810	1934	2059	2184	2309	2422	
47'	45'		1257	1317	1377	1436	1496	1556	1616	47'	1688	1821	1955	2088	2221	2355	2488	2607	
52'	50'		1357	1420	1484	1548	1612	1675	1739	52'	1816	1958	2100	2241	2383	2525	2667	2792	
57'	55'		1456	1524	1592	1659	1727	1794	1862	57'	1944	2094	2245	2395	2545	2695	2845	2977	
62'	60'		1556	1627	1699	1771	1842	1914	1985	62'	2072	2231	2390	2548	2707	2865	3024	3162	
67'	65'		1655	1731	1806	1882	1957	2033	2109	67'	2200	2367	2535	2702	2869	3036	3203	3347	
72'	70'		1755	1834	1914	1993	2073	2152	2232	72'	2328	2504	2680	2855	3031	3206	3382	3532	
77'	75'		1854	1938	2021	2105	2188	2272	2355	77'	2456	2640	2825	3009	3193	3376	3560	3717	
82'	80'		1954	2041	2129	2216	2303	2391	2478	82'	2585	2777	2970	3162	3354	3547	3739	3902	
87'	85'		2053	2145	2236	2327	2419	2510	2601	87'	2713	2914	3115	3315	3516	3717	3918	4087	
92'	90'		2153	2248	2343	2439	2534	2629	2725	92'	2841	3050	3260	3469	3678	3887	4097	4272	
97'	95'		2252	2352	2451	2550	2649	2749	2848	97'	2969	3187	3405	3622	3840	4058	4275	4457	
102'	100'		2352	2455	2558	2662	2765	2868	2971	102'	3097	3323	3550	3776	4002	4228	4454	4642	

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

BELT – Ultimate 140 BBS–Nitrile.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 6 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with splice plates.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section, 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

CENTER DRIVE – Minimum elevation is 17 3/4 in. Can be placed on any section of conveyor length. Minimum OAL without modification is 120 in. Chain guard located on left hand side.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings. Guards included.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups in center drive provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, ball bearings on drive and tail pulleys. Pre-lubricated ball bearings in tread rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

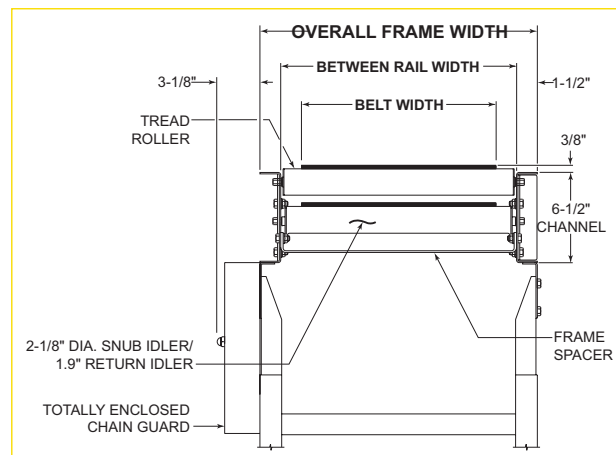
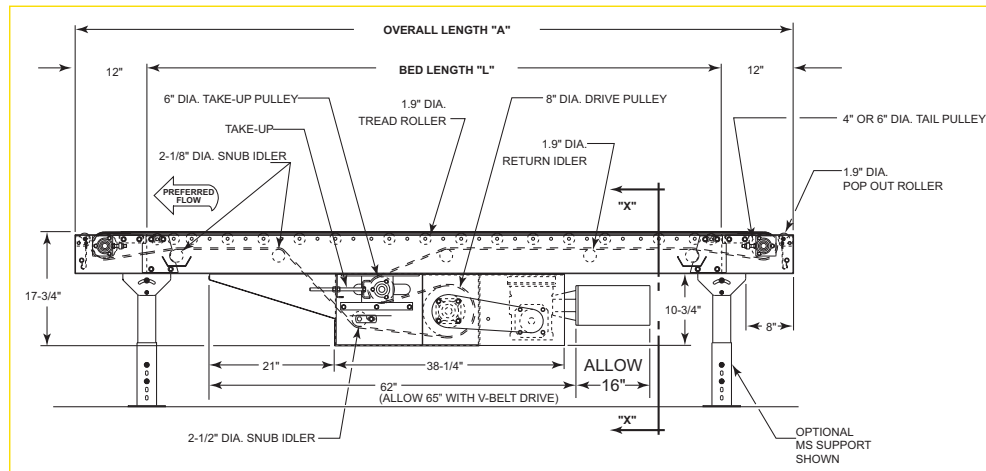
BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 225 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

Live Load Capacity-40° Incline @ 65 FPM			
HP	Belt Widths To	Lengths Up To	
		52'	102'
Distributed Load (lbs.)			
1/2	14"	2490	2150
	24"	2280	1800
	36"	1860	1170
	48"	1520	620
	54"	1300	350
1	14"	5500	5160
	24"	5290	4810
	36"	4870	4180
	48"	4530	3630
	54"	4000	3200
2	14"	11520	11170
	24"	11320	10830
	36"	10890	10200
	48"	10550	9650
	54"	10000	9200

RB



SECTION "X-X"

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BELT* – Black Trackmate 120 Highgrip Longitudinal Groove, White Polymate 100 RMP-COS (cover one side), Black Trackmate 533 COS-PVC, Tan Glidetop.

BELT SPEED* – Other constant and variable speeds. V-belt drive supplied on speeds under 17 FPM.

END DRIVE – 8 in. end drive mounted on end of unit. Requires underside take-up.

LOW ELEVATION SIDE MOUNTED CENTER DRIVE – Motor reducer unit mounted to side of conveyor. Minimum 16 in.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

UNDERSIDE TAKE-UP – Provides 16 in. of belt take-up. Extends down 15 7/8 in. from top of belt.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A and B angle. Fixed Channel overlapping, one direction. Fixed Channel nonoverlapping, reversing. See Accessory section.

ROLLER CENTERS* – Tread rollers spaced on 3 in., 9 in., or 12 in. centers.

PULLEYS – 6 in. dia. tail with 1 3/16 in. dia. shaft at bearings in place of 4 in. when not furnished as standard.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brake motor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starter, and push-button stations. AC variable frequency drive.

* Note: Capacity affected with these options.

RBI

Belt-Over Roller Incline Conveyor

The model RBI is a floor-to-floor incline conveyor. It is equipped with an adjustable double nose-over at the discharge end to ensure a smooth transfer from the incline to horizontal plane. Inclines are easily adjusted up to 30 degrees. This conveyor can also be used as a booster conveyor in gravity flow systems.

- 12 Belt Widths
- Center Drive
- Reversible
- Brake Motor
- System Ends
- Double Nose-over
- Pop-Out Roller
- Powered Feeder

- Ceiling Hangers Available
- Adjustable MS-Type Floor Supports Available
- Undertrussing Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

		"H" @ 25°		Belth Width															
Size to Order Overall Length "A" 4" Dia. Pulley	Bed Length "L"	"B" @ 25°	Infeed @ 30 1/2"	Between Rail Width	13"	15"	17"	19"	21"	23"	25"	Size to Order OAL "A" 6" Dia. Pulley		27"	31"	33"	37"	39"	
			Discharge @ 30 1/2"	Overall Frame Width	16"	18"	20"	22"	24"	26"	28"				30"	34"	36"	40"	42"
13' 10"	10'	12' 8"	4' 11"	Weights (lbs.)	886	941	996	1051	1106	1161	1216	14'	1305	1457	1533	1685	1761		
15' 10"	12'	14' 7"	5' 8"		914	971	1028	1085	1142	1199	1256	16'	1347	1503	1581	1737	1815		
17' 10"	14'	16' 5"	6' 4"		942	1001	1060	1119	1178	1237	1296	18'	1389	1549	1629	1789	1869		
19' 10"	16'	18' 3"	7' 2"		970	1031	1092	1153	1214	1275	1336	20'	1431	1595	1677	1841	1923		
21' 10"	18'	20' 1"	8' 0"		998	1061	1124	1187	1250	1313	1376	22'	1473	1641	1725	1893	1977		
23' 10"	20'	21' 11"	8' 10"		1026	1091	1156	1221	1286	1351	1416	24'	1515	1687	1773	1945	2031		
25' 10"	22'	24' 8"	10' 0"		1054	1121	1188	1255	1322	1389	1456	22'	1557	1733	1821	1997	2085		
27' 10"	24'	25' 6"	10' 6"		1082	1151	1220	1289	1358	1427	1496	28'	1599	1779	1869	2049	2139		
29' 10"	26'	27' 4"	11' 5"		1110	1181	1252	1323	1394	1465	1536	30'	1641	1825	1917	2101	2193		
31' 10"	28'	29' 2"	12' 5"		1138	1211	1284	1357	1430	1503	1576	32'	1683	1871	1965	2153	2247		
33' 10"	30'	31' 0"	13' 1"		1166	1241	1316	1391	1466	1541	1616	34'	1725	1917	2013	2205	2301		
35' 10"	32'	33' 10"	14' 0"		1194	1271	1348	1425	1502	1579	1656	32'	1767	1963	2061	2257	2355		
37' 10"	34'	34' 8"	14' 7"		1222	1301	1380	1459	1538	1617	1696	38'	1809	2009	2109	2309	2409		
39' 10"	36'	36' 5"	15' 7"		1250	1331	1412	1493	1574	1655	1736	40'	1851	2055	2157	2361	2463		
41' 10"	38'	38' 2"	16' 6"		1278	1361	1444	1527	1610	1693	1776	42'	1893	2101	2205	2413	2517		
43' 10"	40'	40' 0"	17' 4"		1306	1391	1476	1561	1646	1731	1816	44'	1935	2147	2253	2465	2571		

Note: All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Standard Specifications

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 6 in. Mounted in 6 1/2 in. x 12 ga. powder-painted, formed steel channel frame. Standard 4 ft., 6 ft., 8 ft., and 10 ft. long sections bolt together with splice plates.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section, 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

DOUBLE NOSE-OVER – A 26 in. long horizontal and a 12 in. long nose-over section provides a two-step transition of product from incline to horizontal. Provides up to 30 degree incline adjustment.

LOW POWERED FEEDER – Chain type driven from tail pulley of inclined conveyor. Supports not included in base price.

CENTER DRIVE – Located on the incline section. Chain guard located on left hand side.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings or 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP PULLEY – 4 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP – Take-ups in center drive provide 16 in. of belt take-up.

SNUB IDLER/NOSE-OVER ROLLERS – Adjustable 2 1/8 in. dia. or 2 1/2 in. dia. pre-lubricated ball bearings. Snub guards included.

RETURN IDLER – Adjustable 1.9 in. dia., pre-lubricated ball bearings.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive, tail, and take-up pulley.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face SSB Brake Motor (6 ft./lb.).

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 225 lbs. NOT TO EXCEED capacity in charts.

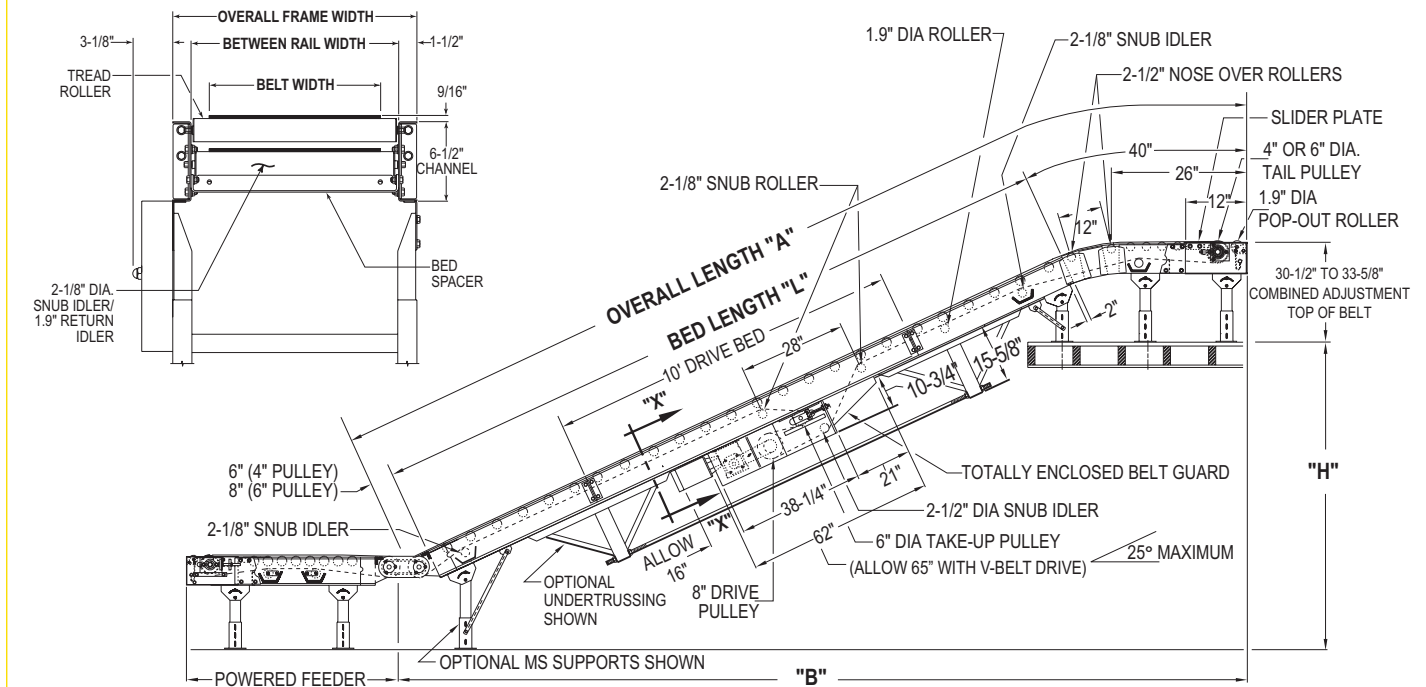
FLOOR SUPPORTS – Supplied as optional equipment.

BR	Belt Width	OAW	Feeder Length
13"	10"	16"	35 1/2"
15"	12"	18"	
17"	14"	20"	
19"	16"	22"	50 1/2"
21"	18"	24"	
23"	20"	26"	
25"	22"	28"	67 1/2"
27"	24"	30"	
31"	28"	34"	
33"	30"	36"	79 1/2"
37"	34"	40"	
39"	36"	42"	

Load Capacity Chart			
25° Incline @ 65 FPM W/High-Grip BELT			
HP	Belt Widths To	Lengths Up To	
		14'	44'
Distributed Load (lbs.)			
1	22"	605	585
	30"	595	565
	36"	585	545
2	22"	1245	1225
	30"	1235	1205
	36"	1225	1185

RBI

SECTION X-X



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-3 support.

BELT – Black Trackmate 120 Roughtop with PVC Cover, Brown Polymate Roughtop w/Nitrile cover, Pure Gum Rubber Roughtop.

BELT SPEED – Other constant and variable speeds v-belt drive supplied on speeds under 20 FPM (1 HP)–46 FPM (2 HP). Note: Capacity affected with speed change.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, overlapping fixed channel (one direction), non-overlapping fixed channel (bi-directional).

ROLLER CENTERS – Tread rollers spaced on 3 in., 9 in., or 12 in. centers.

PULLEYS – 6 in. dia. tail pulley with 1 3/16 in. dia. shaft at bearings in place of 4 in. when not furnished as standard.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

UNDERTRUSSING – Available in place of ceiling hangers. Maximum bed length 40 ft. Maximum overall width 30 in.

MOTOR – Energy efficient, single phase, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing and reversible magnetic starters and push button stations. AC variable frequency drive.

CRB

Belt-Over Roller Conveyor

The model CRB is ideally used in scrap handling and recycling operations. The roller bed with deep troughed construction can carry culled or broken glass, cans, wood chips, aluminum, steel and plastic stampings. The CRB is widely used in recycling operations as an "Environmental Conveyor."

- 7 Bed Widths
- Side Mounted End Drive for Low Elevations
- Self-Cleaning Tail Pulley
- Troughed Guard Rails
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size to order Overall Length "A"	Bed Length "L"	Between Rail Width	9"	11"	13"	15"	17"	21"	27"
		Belt Width	12"	14"	16"	18"	20"	24"	30"
		Overall Frame Width	16"	18"	20"	22"	24"	28"	34"
		"W"	17 1/2"	19 1/2"	21 1/2"	23 1/2"	25 1/2"	29 1/2"	35 1/2"
		"B"	28 1/2"	30 1/2"	32 1/2"	34 1/2"	36 1/2"	40 1/2"	46 1/2"
7'	5'	Weights (lbs.) Based on 6" Roller Centers	410	425	440	460	480	520	570
12'	10'		525	550	570	605	635	685	765
17'	15'		675	705	735	780	825	885	990
22'	20'		790	830	865	920	975	1050	1180
27'	25'		945	990	1035	1105	1170	1260	1415
32'	30'		1055	1105	1155	1235	1315	1420	1600
42'	40'		1320	1385	1445	1550	1655	1785	2020
52'	50'		1585	1665	1740	1870	1995	2150	2440
62'	60'		1845	1940	2030	2185	2335	2520	2880
72'	70'		2110	2215	2320	2495	2670	2885	3280
82'	80'		2375	2495	2615	2815	3015	3255	3705
92'	90'		2645	2680	2715	3040	3365	3635	4135
102'	100'		2905	3050	3195	3445	3690	3985	4540

For 12" Centers Deduct Weights Listed Below

Roller Centers 12"	5' Long Bed Sections								10' Long Bed Sections							
	BR Width	9"	11"	13"	15"	17"	21"	27"	9"	11"	13"	15"	17"	21"	27"	
	Weight Deduction	10	12	14	16	17	21	26	20	24	28	32	34	42	52	

Standard Specifications

BELT – Black Trackmate 533 COS. Clipper lacing.

BED – Roller bed with 2 in. dia. x 12 ga. unplated tread rollers spaced every 6 in., or 12 in. mounted in 10 ga. painted formed steel channel frame with 12 ga. painted side guards extending 8 1/2 in. above belt. Sections bolt together with splice plates.

END DRIVE – Located on discharge end of conveyor, chain guard on left hand side.

BELT SCRAPER – Mounted in bed section to clean underside of return belt.

DRIVE PULLEY – 8 in. dia. with 1 3/16 in. dia. shaft at bearings–machine crowned and fully lagged.

TAIL PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings–self-cleaning, crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. Pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. Pre-lubricated ball bearings.

TAKE-UP – Screw take-ups at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, cast-iron ball bearings on drive and tail pulley. Sealed, pre-lubricated ball bearings in tread rollers.

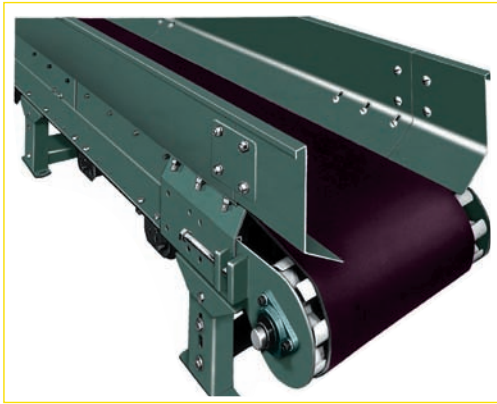
SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 25 lbs. NOT TO EXCEED capacity in chart.

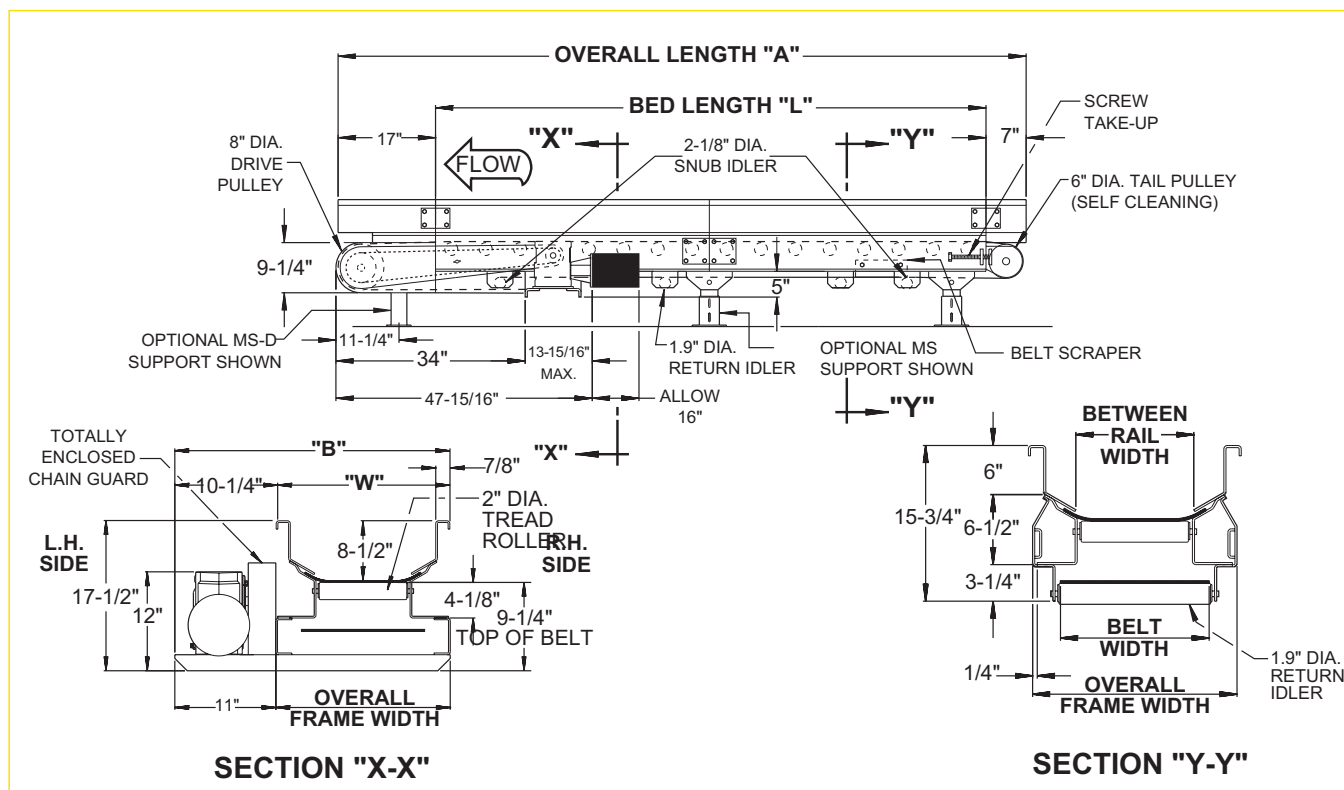
FLOOR SUPPORTS – Supplied as optional equipment.



Detail view of self-cleaning tail pulley

Load Capacity Chart Horizontal Conveyor Roller Bed @ 65 FPM		
HP	Total Load (lbs.)	
	Up To 52'	Up To 102'
1	400	200
2	850	700

CRB



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support. Note: Drive end support non-adjustable up to 16 in. elevation.

BELT SPEED – Other constant and variable speeds. V-belt drive supplied on speeds under 17 FPM. Note: Capacity affected with speed changes.

CENTER DRIVE – Provides 16 in. of belt take-up. Minimum elevation 20 in. Specify location. Minimum OAL 66 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

END CAP – A formed steel end cap is bolted to inside of conveyor at tail end to keep material from falling off end of conveyor (not available with 7 in. extended guard rail).

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Single phase, brake motor; other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

25-RBM

Belt-Over Roller Conveyor

The model 25-RBM is designed for merge applications. Roller bed design reduces belt friction and provides greater capacity.

- 12 Belt Widths
- Reversible
- Moves Heavier Loads
- Center Drive
- System Ends
- Pop-Out Roller
- Adjustable MHS Type Floor Supports Available



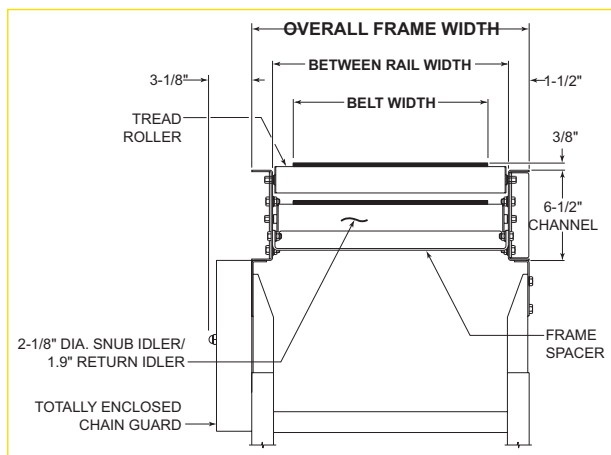
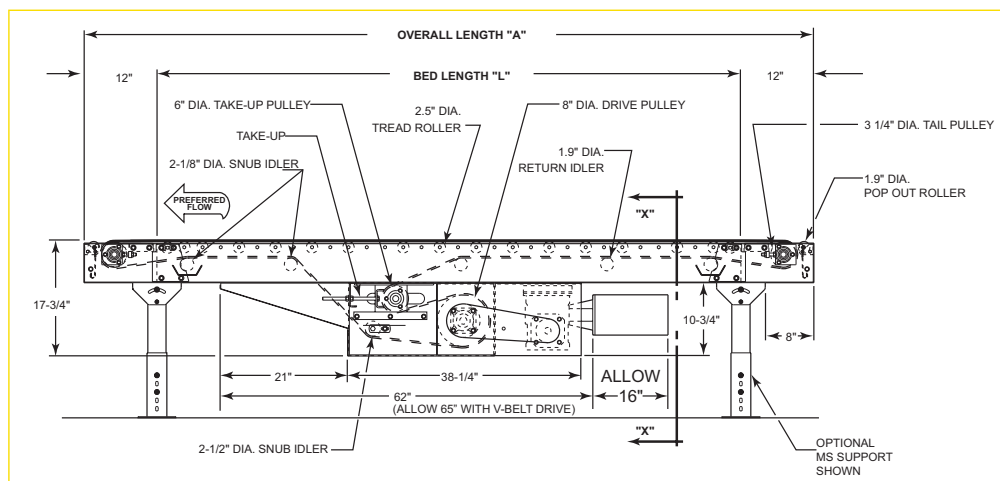
Conveyor shown with optional floor supports.

	OAW	22	24	26	28	30	34	36	40	42	48	54	60
OAL 12'	3" R/C	791	837	884	930	977	1070	1117	1210	1257	1396	1536	1677
	6" R/C	791	837	884	930	977	1070	1117	1210	1257	1396	1536	1677

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

8" Dia. Drive Pulley Horizontal Live Load Capacity @ 65 FPM			
HP	Belt Widths To	Lengths Up To	
		52'	102'
		Distributed Load (lbs.)	
1	18"	5500	5160
	24"	5290	4810
	36"	4870	4180
	48"	4530	3630
	54"	4000	3200
2	18"	11520	11170
	24"	11320	10830
	36"	10890	10200
	48"	10550	9650
	54"	10000	9200

25-RBM



25-RBM

Standard Specifications

BELT – Green 2-ply PVC cover with clipper lacing.

BED – Roller bed with 2.5 in. dia. roller x 11 ga. unplated tube spaced every 3 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with splice plates.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure tracking. One supplied in first 50 ft. of bed section lengths and one per 50 ft. of bed section length thereafter. Supplied in approximate center of lengths.

CENTER DRIVE – Minimum elevation is 17 3/4 in. Can be placed on any section of conveyor length. Minimum OAL without modification 120 in.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

TAIL PULLEY – 3 1/4 in. dia. with 1 in. dia. shaft at bearings.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings. Guards included.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups in center drive provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulleys. Pre-lubricated ball bearings in tread rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 225 lbs. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

25-RBM

Optional Equipment

FLOOR SUPPORTS – MHS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

BELT* – Black ultimate 140 BBS, White Polymate 100 RMP-COS (cover one side), Black Trackmate 533 COS-PVC, Tan Glidetop.

BELT SPEED* – Other constant and variable speeds. V-belt drive supplied on speeds under 17 FPM.

SHAFT-MOUNTED CENTER DRIVE

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A and B angle. Fixed Channel overlapping, one direction. Fixed Channel nonoverlapping, reversing. See Accessory section.

ROLLER CENTERS* – Tread rollers spaced on 6 in. centers.

PULLEYS – 6 in. dia. tail with 1 3/16 in. dia. shaft at bearings in place of 3 1/4 in. when not furnished as standard.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brake motors, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starter, and push-button stations. AC variable frequency drive.

* Capacity affected with these options.

SBC

Slider Bed Curve Conveyor

The model SBC provides a positive flow of products by means of a belt, driven by tapered pulleys. Conveyor is versatile and can transport a wide variety of products. Available in 45-, 60-, and 90-degree turns.

- 9 Belt Widths
- Endless Splice Belt
- Quick Belt Change
- Full Length Window

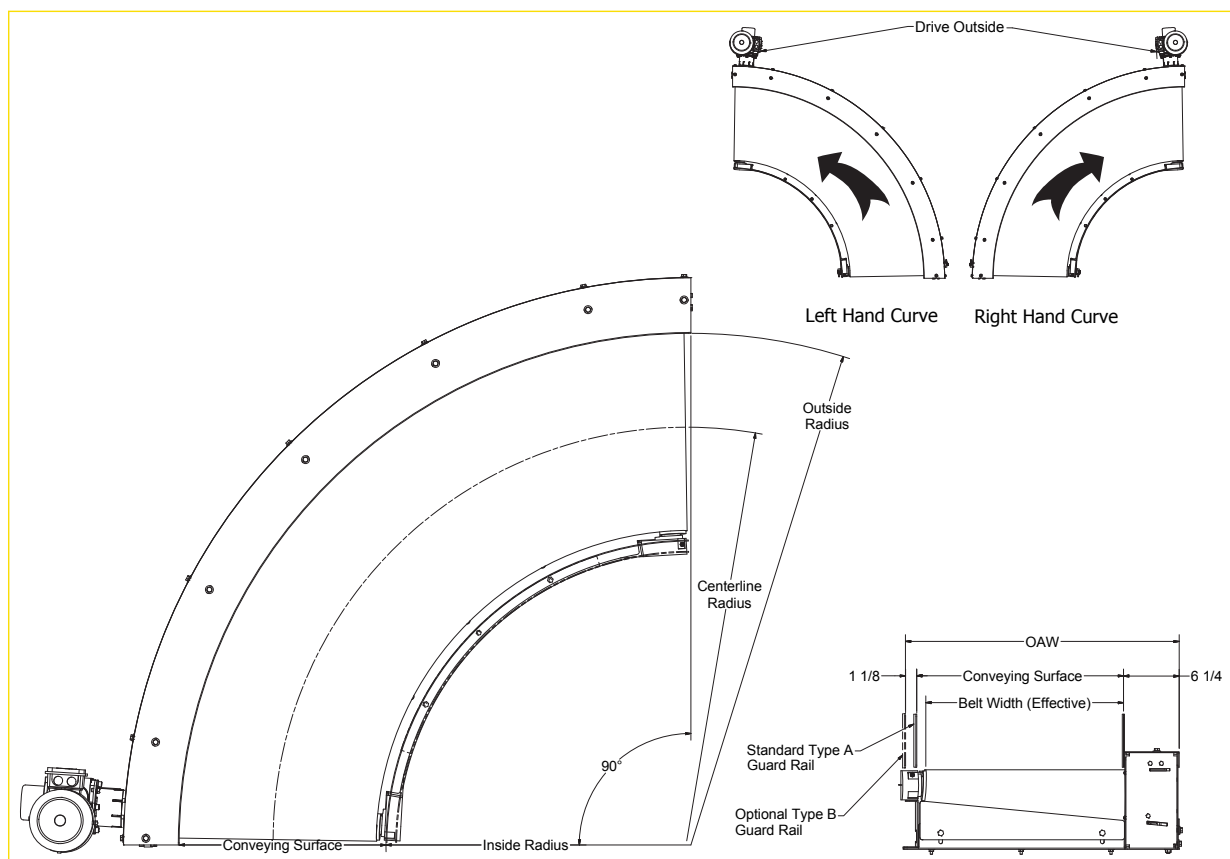


Conveyor shown with optional floor supports.

TECHNICAL MANUAL

OAW Frame	Conveying Surface Width	Belt Width		Radius			Weight (lbs.)		
		Actual	Effective	Inside	Centerline	Outside	45°	60°	90°
28 3/8"	21"	22 1/8"	20"	36"	46 1/2"		311	364	552
30 3/8"	23"	24 1/8"	22"	34"	45 1/2"	57"	317	371	561
32 3/8"	25"	26 1/8"	24"	32"	44 1/2"		323	379	570
34 3/8"	27"	28 1/8"	26"	54"	67 1/2"		446	510	687
36 3/8"	29"	30 1/8"	28"	52"	66 1/2"		453	519	699
38 3/8"	31"	32 1/8"	30"	50"	65 1/2"	81"	460	529	711
40 3/8"	33"	34 1/8"	32"	48"	64 1/2"		467	538	723
42 3/8"	35"	36 1/8"	34"	46"	63 1/2"		474	548	735
44 3/8"	37"	38 1/8"	36"	44"	62 1/2"		481	557	747

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Standard Specifications

BELT – Endless splice PUR belt with guide profile.

BED – 8 7/8 in. top of belt inside, outside guard 10 3/4 in, 12 ga. stainless steel slider bed.

SHAFT-MOUNTED DRIVE – Nord right angle helical bevel gearmotor, discharge outside radius.

PULLEYS – Tapered pulleys with 1 7/16 in. diameter shaft at bearings. Infeed pulley is adjustable to control belt tension.

FLOOR SUPPORTS – MS type supports are available in a wide range of adjustments, holes in feet for lagging to floor knee braces recommended above MS-6 supports.

BEARINGS – Sealed, self-aligning ball bearings.

ELECTRICAL CONTROLS – AC variable frequency drive and Disconnect Switch.

BELT SPEED – 45 fpm to 235 FPM.

CAPACITY – Maximum load per linear foot (measured at center line of conveying surface) 40 lbs.

GUARD RAILS – 2 in. outside only.

MOTOR – 1 HP shaft-mounted right angle gearmotor 208/230/460/575V, 3Ph. 60Hz (specify voltage).

Optional Equipment

BELT – Types and styles other than standard are available (contact factory).

GUARD RAILS – 3 1/2 in. to 12 in. tall available for all sizes.

ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations.

CUSTOM COLORS – Available (contact factory). Paint chip must be provided.

MOTOR – Other HP available; 3 HP max.

BELT SPEED – Up to 600 FPM available with optional HP motors.

POLY-TIER SUPPORTS – 36 in. to 120 in. heights in 6 in. increments. Knee braces supplied. Note: Clearance must be allowed for belt removal.

CEILING HANGER – 5/8 in. diameter x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available. Note: Clearance must be allowed for belt removal.

TW

Wire Belt Conveyor

The model TW with wire belt can carry hot or cold parts from ovens or freezers. Can be used in drying operations.

- 3 Belt Widths
- Wire Mesh Belt
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

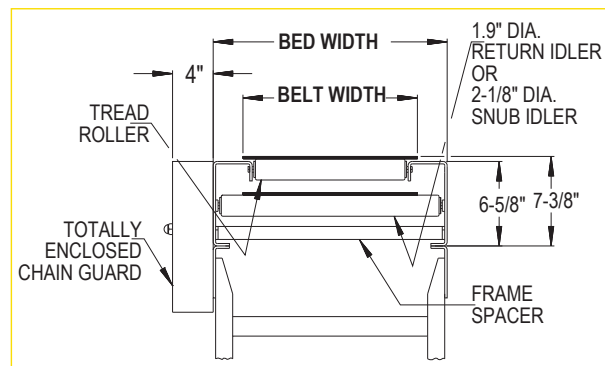
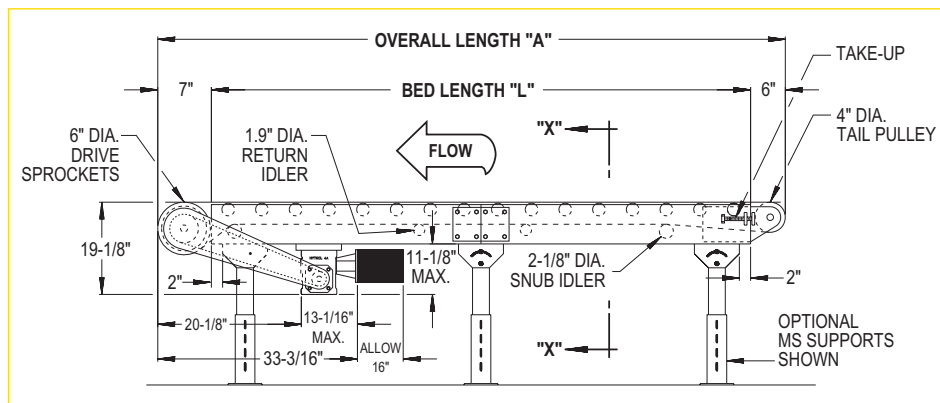
TECHNICAL MANUAL

Size To Order Overall Length "A"	Bed Length "L"	Belt Width	12"	18"	24"
		Bed Width	16"	22"	28"
6' 1"	5'	Weights (lbs.)	299	322	365
11' 1"	10'		368	415	465
16' 1"	15'		461	525	593
21' 1"	20'		530	608	693
26' 1"	25'		623	718	821
31' 1"	30'		692	801	921
41' 1"	40'		854	994	1149
51' 1"	50'		1023	1197	1391
61' 1"	60'		1185	1390	1609
71' 1"	70'		1355	1594	1862
81' 1"	80'		1517	1787	2090
91' 1"	90'		1697	1979	2319
101' 1"	100'		1841	2172	2547

Load Capacity Chart @ 65 FPM

HP	Bed Widths—16" to 28"	
	Total Load (lbs.)	
	Up To 50'	Up To 100'
1/2	850	350
1	1950	1500

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Standard Specifications

BELT – 1/2 in. x 1 in. flat galvanized wire mesh belt. Maximum product temperature 350°F.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 6 in. Mounted in 6 5/8 in. x 12 ga. powder-painted formed steel channel frame bolted together with splice plates.

END DRIVE – Located on discharge end of conveyor, chain guard on left hand side.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure tracking. One supplied in first 50 ft. of bed section lengths and one per 50 ft. of bed section length thereafter. Supplied in approximate center of lengths.

DRIVE SPROCKET – 6 in. pitch dia. multiple cast iron sprockets with 1 3/16 in. dia. shaft 6 in. centers.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings. Sprocket at each end.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail shafts. Pre-lubricated ball bearings in tread rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive sprocket.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 75 lbs. NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BED – Slider bar in place of roller bed.

BELT – Other widths than standard, galvanized low carbon steel, bright high carbon steel or stainless steel. 1 in. or 1/2 in. x 1/2 in. mesh available. Maximum product temperature 750°F with high carbon steel belt.

BELT SPEED – Other constant and variable speeds. V-belt drive supplied on speeds under 15 FPM and with variable speeds. Note: Capacity affected with speed change.

V-BELT DRIVE – V-belt supplied between motor and reducer.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 1 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

SL

Steel Belt Slat Conveyor

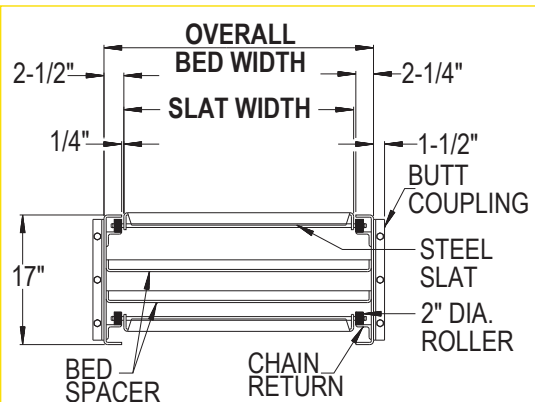
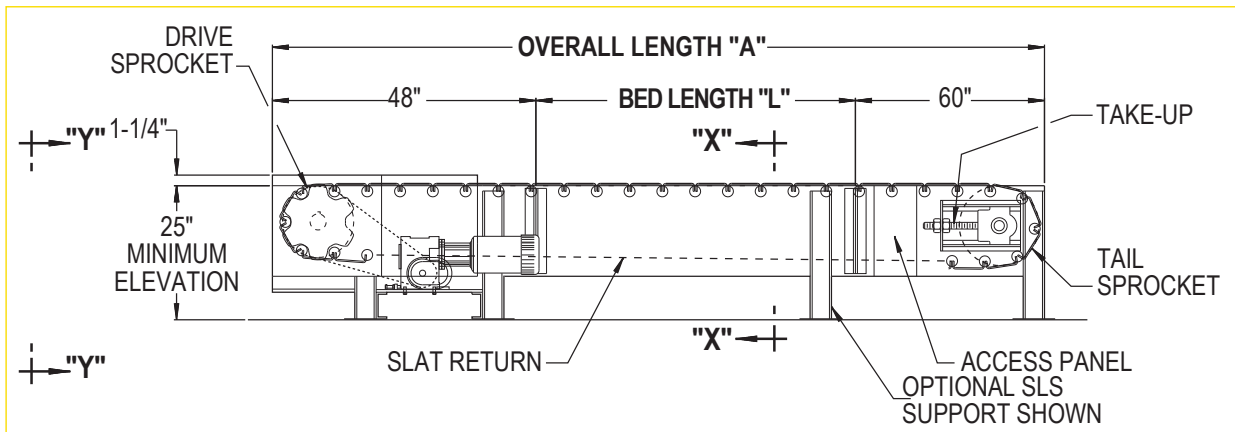
The model SL Steel Belt Slat conveyor provides lasting, dependable performance. Can be used to convey hot, oily parts or items through heat drying processes. Can also be used for assembly line and production operations.

- 5 Bed Widths
- Energy Efficient Motor with AC Variable Speed Controller
- Rugged-All Steel Construction
- Modular Construction
- Roller Chain Reduces Friction
- Adjustable SLS-Type Floor Supports Available

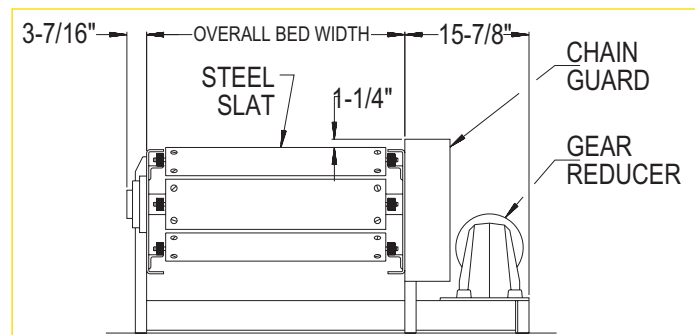


Size To Order	Bed Length	Belt Width	28"	31"	37"	43"	49"
Overall Length "A"	"L"	Bed Width	33"	36"	42"	48"	54"
9'	—	Weights (lbs.)	1692	1773	1936	2099	2262
14'	5'		2184	2291	2506	2721	2936
19'	10'		2677	2809	3076	3343	3610
24'	15'		3169	3327	3646	3965	4284
29'	20'		3662	3845	4216	4587	4958
39'	30'		4647	4881	5357	5831	6306
49'	40'		5632	5917	6497	7075	7654
59'	50'		6617	6954	7638	8319	9003
69'	60'		7602	7990	8778	9563	10351
79'	70'		8587	9026	9918	10807	11669

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



SECTION X-X



SECTION Y-Y

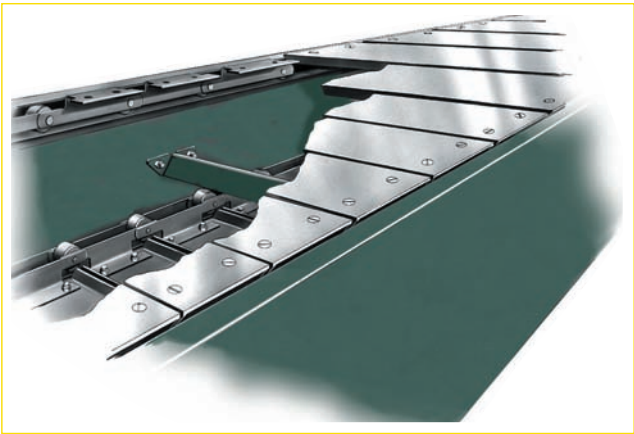


Standard Specifications

- END DRIVE** – Located at discharge end of conveyor. Chain guard located on left hand side.
- SLATS** – Formed steel slat, 5 3/4 in. x 1 1/2 in. x 7 ga. channel.
- CHAIN** – 6 in. pitch bushed roller steel chain with 2 in. dia. high capacity roller bearing.
- BED** – 17 in. deep x 10 ga. formed steel channel powder-painted. Standard 5 ft. and 10 ft. long sections bolt together with butt couplings.
- DRIVE SPROCKET** – 12 in. pitch dia. with 2 15/16 in. dia. shaft.
- TAKE-UP** – Take-ups provided at tail sprockets. Provides 15 1/2 in. of chain take-up.

- BEARINGS** – Sealed, pre-lubricated, self-aligning ball bearings at drive and tail sprockets.
- SPEED REDUCTION** – Heavy-duty sealed worm gear C-face speed reducer. No. 100 roller chain to drive sprocket.
- MOTOR** – 2 HP, 230/460V, 3 Ph. 60 Hz. Energy Efficient C-face and AC variable speed controller with soft start capability and motor overload protection.
- CONVEYING SPEED** – Constant 30 FPM.
- CAPACITY** – Maximum load per linear foot of conveyor 1400 lbs. NOT TO EXCEED capacity in chart.
- FLOOR SUPPORTS** – Supplied as optional equipment.

Load Capacity Chart @ 30 FPM						
HP	Slat Width 28" to 37"			Slat Width 43" and 49"		
	Total Load (lbs.)			Total Load (lbs.)		
	Up To 24'	Up To 49'	Up To 79'	Up To 24'	Up To 49'	Up To 79'
2	2400	850	–	2000	–	–
3	6000	4400	2900	5600	3600	1700



Detail shows inside view of roller chain which carries steel slats. Chain rides on steel angle mounted to conveyor side of channel.

Optional Equipment

- FLOOR SUPPORTS** – SLS and SLSD Type fixed floor supports are available. Specify top of slat elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.
- SLATS** – Wood, contact factory.
- MECHANICAL SHEAR PIN HUBS** – Required if MD65 Controller is not used.
- ELECTRONIC SHEAR PIN** – Required if MD65 Controller is not used.
- CONVEYING SPEED** – Other constant and variable speeds available. Note: Capacity affected with speed change. Contact factory.
- MOTOR** – 3 HP maximum.
- ELECTRICAL CONTROLS** – Push-button stations.

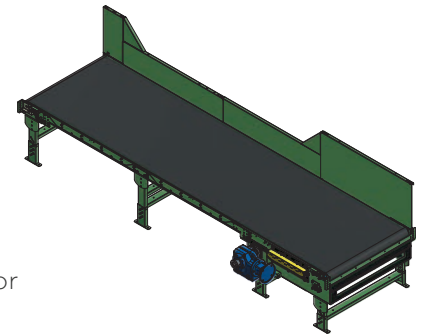
HSS

Parcel Belt Conveyor

Designed for the parcel handling industry, for singulated flow applications.

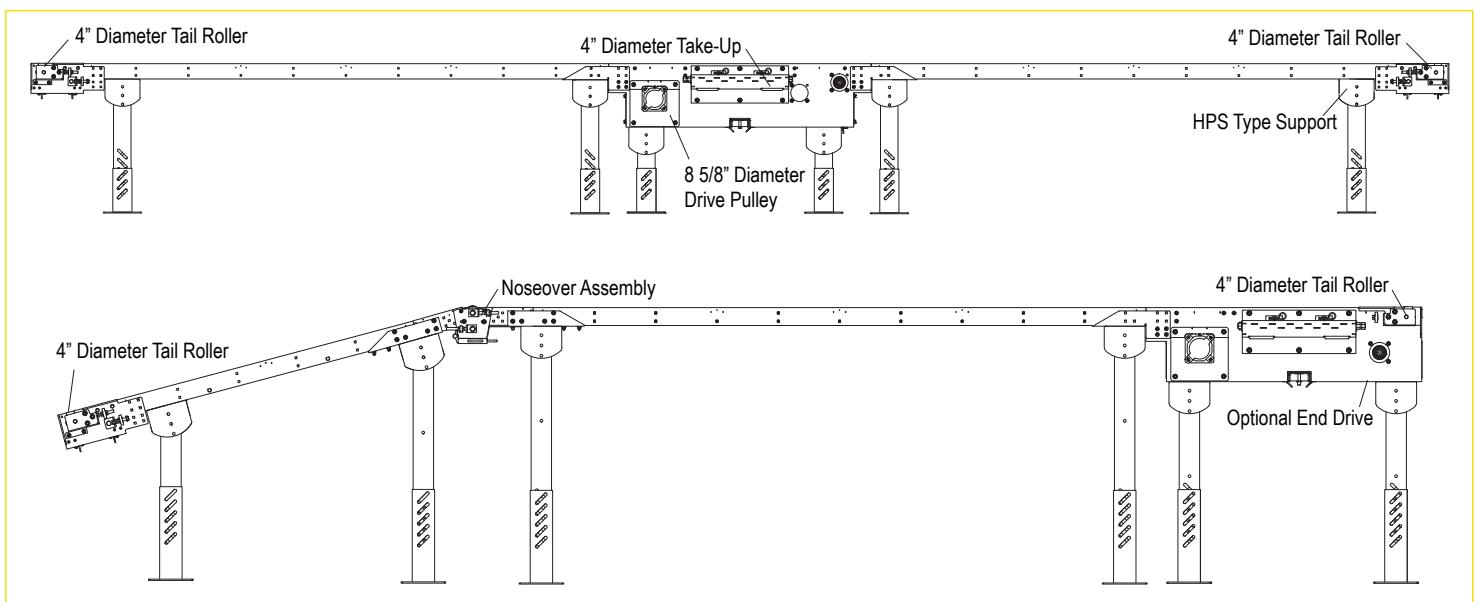
TECHNICAL MANUAL

- 8 5/8 in. Drive Pulley
- Bolted Construction
- 4 in. Tail Roller
- 3 to 15 HP Available
- 19 in. Take-Up Length
- 110 ft. Maximum Overall Conveyor Length
- 250 to 600 FPM
- Spherical Roller Bearings



	Bed Width		
	37"	43"	49"
Drive (Center)	1258	1677	1667
Drive (End)	1258	1677	1667
Intermediate Bed (10')	285	315	345
Tail Assembly	166.5	193.5	220.5
Nose-Over Assembly	158	182	158

Notes: Above weights included 12 in. high side guard.
Accessories, crating, etc. are not included in above weights.
Customer specified guarding available per order.



Standard Specifications

BELT – Belting available per customer specification.

BED – 3 1/2 in. deep 10 ga. or 12 ga. formed steel slider bed.

CENTER DRIVE – Minimum elevation 14 1/2 in.

DRIVE PULLEY – 8 5/8 in. diameter lagged pulley with through shaft design.

TAKE-UP ROLLER – 4 in. diameter ROL-07S.

SNUB IDLER – 2 3/4 in. diameter ROL-02.

TAIL PULLEY – 4 in. diameter ROL-07S.

DRIVE BEARINGS – Sealed, pre-lubricated, self-aligning, cast-iron spherical ball bearing.

MOTOR – Available from 3 to 15 HP.

BELT SPEED – Available from 250 to 600 FPM.

CAPACITY – 35 lbs. per linear foot. Do not exceed capacity in chart below.

HP Selection Chart

Speed (FPM)	Length					
		15'	25'	50'	75'	110'
	250	2	3	3	5	5
	300	2	3	3	5	7.5
	350	2	5	5	5	7.5
	450	3	3	5	7.5	10
	540	3	3	5	7.5	15

Note: HP calculations based on 6000 PPH. For higher rate, contact factory.

Optional Equipment

FLOOR SUPPORTS – Available with a wide range of adjustment. Specify top of belt elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee bracing not included.

BELT – Option per customer specifics.

UNDERSIDE BED COVERS – Hinged expanded metal per customer specifics.

NOSEOVER – Single noseover for transition from angled to horizontal position.

TAIL ROLLER – 4 in. diameter ROL-07SX (Spherical Roller Bearings).

BED – Available in 6 5/8 in. deep (12 ga.).

CABLE RAIL ASSEMBLY – For mounting cable.

MOTOR – 2, 3, 5, 7 1/2, 10, and 15 HP available.

SIDE GUARDS/PAN – Available in 2 in. to 36 in. high (2 in. increments).

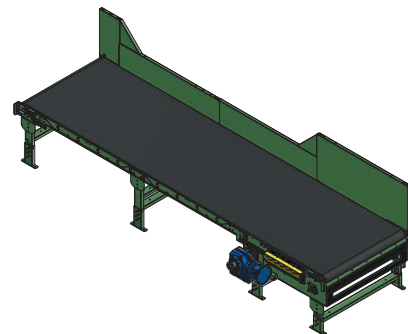
SLAVE TAKE-UP – Available in all widths, for scanning applications.

HSS-HD

Parcel Belt Conveyor

Designed for the parcel handling industry for semibulk applications.

- 8 5/8 in. Drive Pulley
- Bolted Construction
- 4 in. Solid Shaft Pulley
- 3 to 20 HP available
- 13 in. Take-Up Length
- 150 ft. Maximum Overall Conveyor Length
- 50 to 600 FPM
- Spherical Roller Bearings



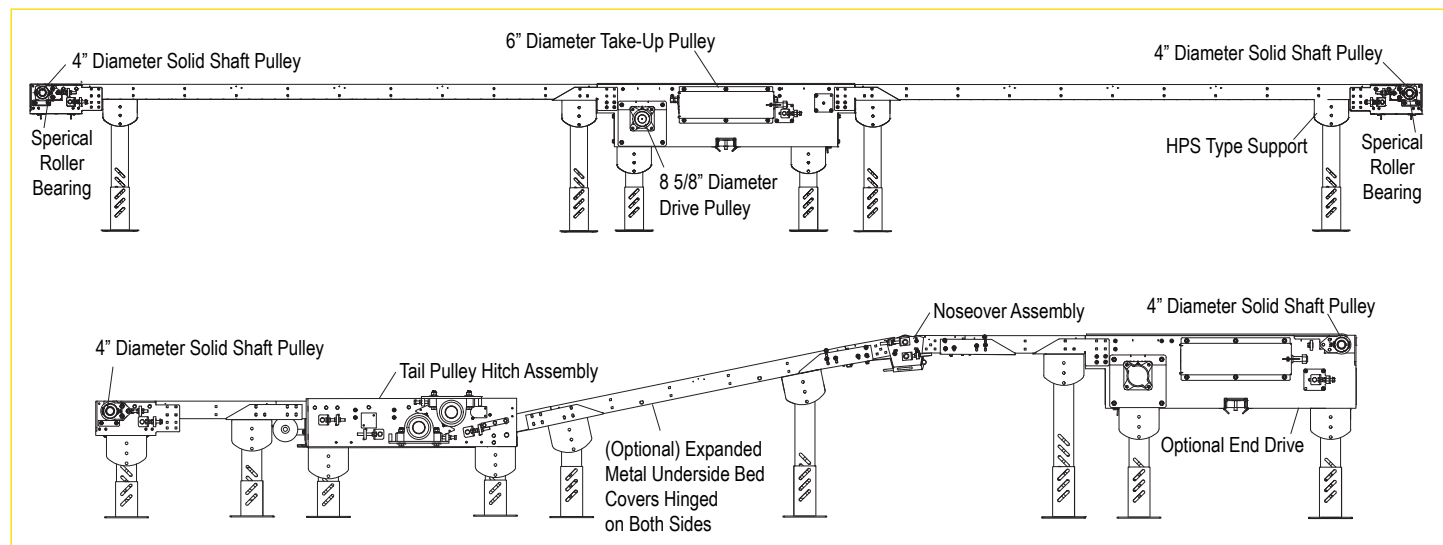
	Bed Width			
	37"	43"	49"	61.5"
Drive (Center)	1258	1677	1667	2091
Drive (End)	1258	1677	1667	2091
Intermediate Bed (10')	285	315	345	408
Tail Assembly	166.5	193.5	220.5	276.75
Nose-over Assembly	158	182	158	256

Notes:

Above weights included 12 in. high side guard.

Accessories, crating, etc. are not included in above weights.

Customer specified guarding available per order.



HSS-HD

Standard Specifications

BELT – Belting available per customer specification.

BED – 3 1/2 in. deep 10 ga. or 12 ga. formed steel slider bed.

CENTER DRIVE – Minimum elevation 14 1/2 in.

DRIVE PULLEY – 8 5/8 in. diameter lagged pulley with through shaft design.

TAKE-UP PULLEY – 6 in. diameter.

SNUB IDLER – 3 1/2 in. diameter ROL-04.

TAIL PULLEY – 4 in. diameter solid shaft.

DRIVE BEARINGS – Sealed, pre-lubricated, self-aligning, cast-iron spherical roller bearing.

MOTOR – Available from 3 to 20 HP.

BELT SPEED – Available from 80 to 600 FPM.

CAPACITY – 50 lbs. per linear foot. Do not exceed capacity in chart below.

HP Selection Chart

Speed (FPM)	Length							
		15'	25'	50'	75'	100'	125'	150'
	55	3	3	5	5	7.5	10	10
	75	3	3	5	5	7.5	10	10
	100	3	3	5	7.5	7.5	10	15
	125	3	3	5	7.5	10	10	15
	150	3	3	5	7.5	10	15	15
	250	3	3	7.5	10	15	15	20
	350	3	5	7.5	10	15	20	20
	450	3	5	10	15	20	20	NA
540	3	5	10	15	20	NA	NA	

Note: HP calculations based on 6000 PPH. For higher rate, contact factory.

Optional Equipment

FLOOR SUPPORTS – Available with a wide range of adjustment. Specify top of belt elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee bracing not included.

BELT – Option per customer specifics.

UNDERSIDE BED COVERS – Hinged expanded metal per customer specifics.

NOSEOVER – Single noseover for transition from angled to horizontal position.

BED – Available in 6 5/8 in. deep (12 ga.).

CABLE RAIL ASSEMBLY – For mounting cable

MOTOR – 3, 5, 7 1/2, 10, 15, and 20 HP available.

SIDE GUARDS/PAN – Available in 2 in. to 36 in. high (2 in. increments).

HITCH ASSEMBLY – 2 degrees to 20 degrees (1-degree increments).

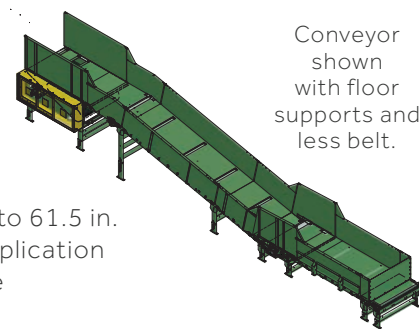
BPC

Parcel Belt Conveyor

Designed for Parcel Bulk handling applications.

TECHNICAL MANUAL

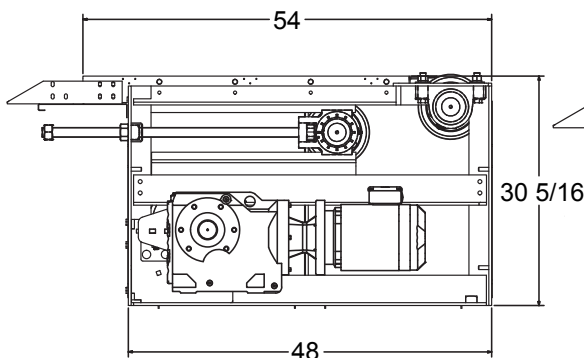
- End and Center Drive Options
- Heavy-Duty Bolted Construction
- Spherical Roller Bearings
- Available in Bed Widths from 19 in. to 61.5 in.
- Speeds up to 550 FPM based on application
- Adjustable Floor Supports Available



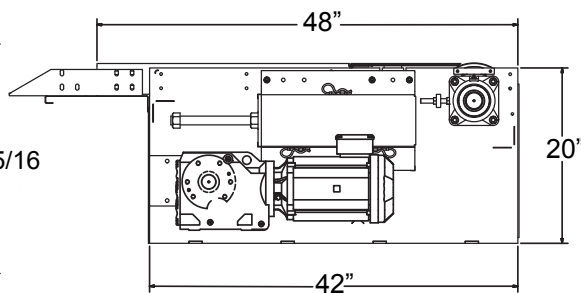
Conveyor shown with floor supports and less belt.

Standard Drives

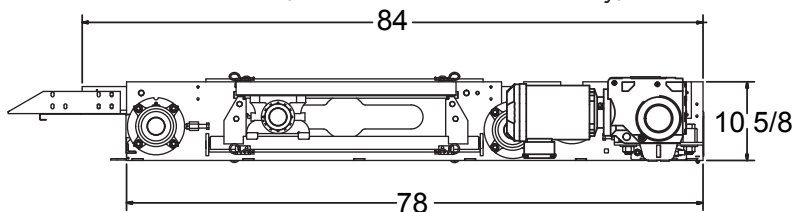
DRI-12 (16" Diameter Drive Pulley)



DRI-34 (8 5/8" Diameter Drive Pulley)



DRI-43 (8 5/8" Diameter Drive Pulley)



Other Drives Available:

DRI-02	DRI-32	DRI-36
DRI-102	DRI-34C	DRI-37
DRI-12C	LFC	DRI-44

Standard Specifications

BELT – Provided per customer specs.

BED – 7, 10, or 12 ga. formed steel bed.

BEARINGS – Sealed, pre-lubricated, self-aligning cast-iron spherical roller or ball bearings.

MOTOR – Available from 3 to 15 HP.

DRIVE OPTION – Available shaft-mounted or timing belt drives.

BELT SPEED – Available from 80 to 550 FPM.

DRIVE CAPACITY – Up to 100 lbs. per linear foot (based on drive selection).

GUARDING – Customer specifications available per order.

Component Weights	Unit Width			
	37"	43"	49"	61.5"
DRI-12 Shaft-Mounted	2141	2488	2835	3558
DRI-112 Timing Belt	2601	3023	3445	4323
DRI-43 Shaft-Mounted	1623	1887	2150	2698
DRI-34 Shaft-Mounted	1338	1555	1772	2224
DRI-134 Timing Belt	1538	1755	1972	2424
DRI-196 Timing Belt	1661	1930	2200	2761
Intermediate Bed (12 ga)	246	279	312	380
Intermediate Bed (10 ga)	317	360	403	491
Intermediate Bed (7 ga)	388	441	494	602
TAI-10 (110)	335	379	423	514
TAI-02 (102)	423	470	516	624
Hitch Assembly	1050	1220	1390	1745
Nose-over Assembly	264	307	350	439

Notes:

Weights include 12 in. high side guard

Accessories, supports, crating, etc are not included in above weights

Does not include weight of gearmotor

Available carry and return rollers not included in above weights

Optional Equipment

UNDERSIDE BED COVERS – Hinged expanded metal.

SINGLE NOSEOVER – Angles from 0 to 20 degrees (NOS-01).

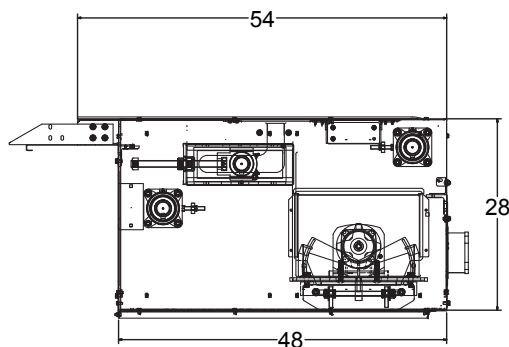
HITCH – For transition from horizontal to incline only.

CABLE RAIL ASSEMBLY – For mounting customer supplied cable.

SIDE GUARDS – Available in 2 in. to 36 in. high (2 in. increments, overlapping or non-overlapping).

T-4 SLIDES – Available per application.

DRI-134 (8 5/8" Diameter Drive Pulley)



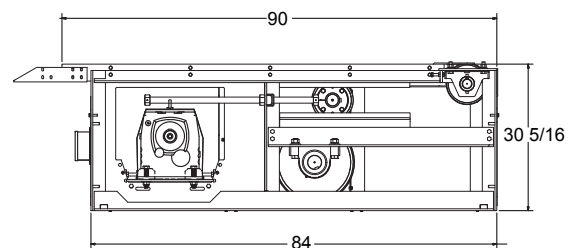
Other Drives Available:

DRI-112C DRI-134C

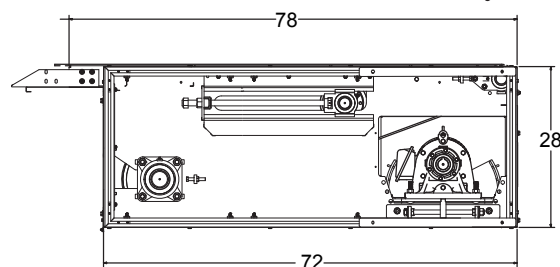
DRI-132 DRI-196C

DRI-132C

DRI-112 (16" Diameter Drive Pulley)



DRI-196 (12" Diameter Drive Pulley)



ALT1000

Plastic Chain Conveyor

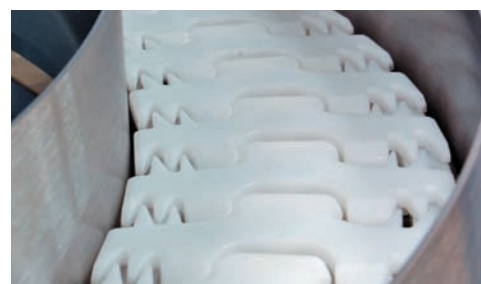
The ALT1000 is a plastic chain belt conveyor with anodized aluminum beam frame designed to carry light weight products. The components can be combined in many different ways; therefore the system can grow as production increases.

- 4 Belt Widths - White Acetal
- Anodized Aluminum Beam Frames
- Module Design
- 1/2 HP, 230/460/575V Shaft-Mounted Gearmotor
- Tubular Guide Rails Included
- Floor supports not included



LEARN MORE

Series	140	220	620	830
Section Length				
Overall Beam Width	141 mm	224 mm	64 mm	86 mm
Beam Height	65 mm	62.5 mm	65 mm	65 mm
Weights (lbs.)				
3.1 m (10.17 ft.)	84 lbs.	93 lbs.	104 lbs.	125 lbs.
Per Meter (1 m = 3.28 ft.)				
Weights (lbs.)	27.1 lbs.	30.1 lbs.	33.6 lbs.	40.3 lbs.



Standard fingerchain belt shown.

Note: Idler and Drive Lengths included in overall length. Idler is 500 mm and Drive is 500 mm.

Horizontal Bends					
Series	Angle	Radius			
		300 mm	400 mm	500 mm	600 mm
140 141 mm wide	15	6.4 lbs.	7.3 lbs.	7.5 lbs.	8.4 lbs.
	30	7.5 lbs.	9.3 lbs.	10.4 lbs.	14.8 lbs.
	45	9.5 lbs.	11.5 lbs.	13.1 lbs.	18.3 lbs.
	90	14.8 lbs.	18.3 lbs.	21.9 lbs.	29.3 lbs.
220 224 mm wide	15		12.6 lbs.		11.5 lbs.
	30		16.3 lbs.		19 lbs.
	45	N/A	20.1 lbs.	N/A	23.2 lbs.
	90		32.2 lbs.		37.2 lbs.
Series	Angle	Radius			
		191	289	389	589
620 64 mm wide	15	5.2 lbs.	5.7 lbs.	6 lbs.	6.4 lbs.
	30	6 lbs.	7.1 lbs.	7.8 lbs.	9.7 lbs.
	45	6.8 lbs.	8.4 lbs.	9.7 lbs.	11 lbs.
	90	9.7 lbs.	12.6 lbs.	15.3 lbs.	21.2 lbs.
Series	Angle	Radius			
		150	200	300	500
830 86 mm wide	15	4.9 lbs.	5.1 lbs.	5.6 lbs.	6.4 lbs.
	30	5.5 lbs.	6 lbs.	7.1 lbs.	8.8 lbs.
	45	6.2 lbs.	7.1 lbs.	8.4 lbs.	11.3 lbs.
	90	8.4 lbs.	10 lbs.	12.9 lbs.	18.6 lbs.

Note: Weight includes (2) 80 mm tangents and belt on top and bottom. Floor supports, drive, and idler are not included in weight.

ALT1000

Standard Specifications

BELT – White Acetal finger chain available in 4 widths.

FRAME – Anodized Aluminum Beam Frame available in 4 widths.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulley. Re-lubrication required.

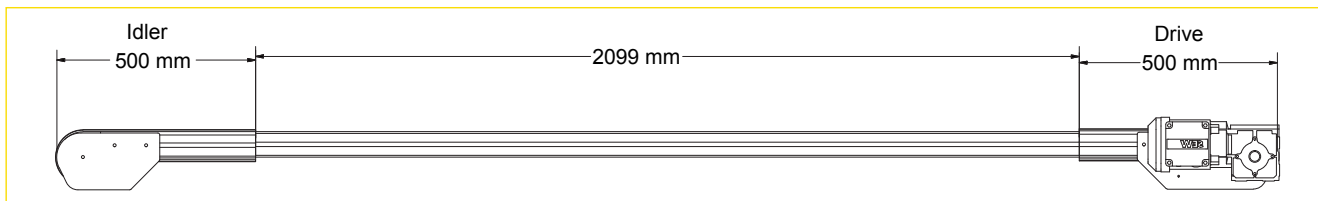
GUARD RAILS – Aluminum Round with brackets.

GEARMOTOR – 1/2 HP, 230/460/575V, shaft-mounted Drive.

BELT SPEED – 68 ft. per min constant speed (17.68 meters per min).

CAPACITY – 12 lbs. per foot at 68 ft. per minute with clean environmental conditions.

FLOOR SUPPORTS – Supplied as optional equipment. See chart below for available elevations.



Optional Equipment

ROLLER TRANSFER – Available on all series.

BELT – Friction Chain Available in 4 widths.

GEARMOTOR – Other HP available, 3/4 HP maximum.

GUARD RAILS – Flat Face UHMW and Slide Rail.

ELECTRICAL CONTROLS – AC variable frequency drives available.

BENDS AND CURVES – See chart for options and contact factory for wheel bend application.

PROSORT SS

Right-Angle Sweep Sorter

The model ProSort SS is a right-angle sortation solution to sort standard poly bags, blister packs, and small packages weighing up to 8 lbs. It has been designed to interface with the ALT1000, but can be incorporated with other models. The aftersort module can be used with the sorter to divert products on single or dual levels towards the left or right.

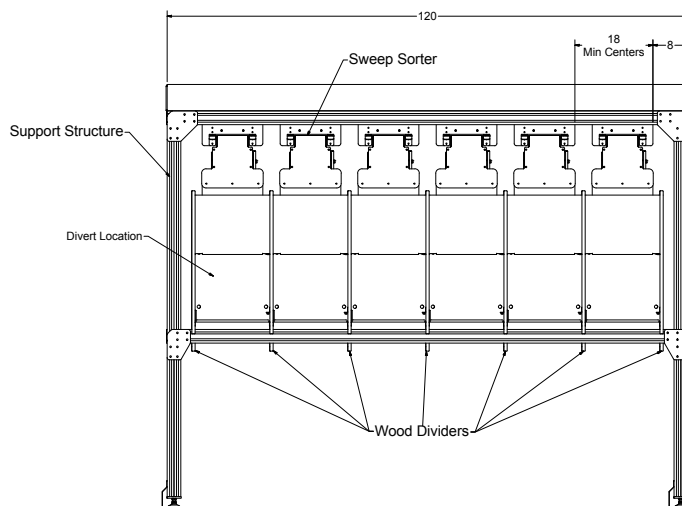
- Dual Direction Divert
- Servo-Motor Driven Divert
- Single or Dual-Tiered Chutes
- ProLogix Controls
- Modular Divert Banks



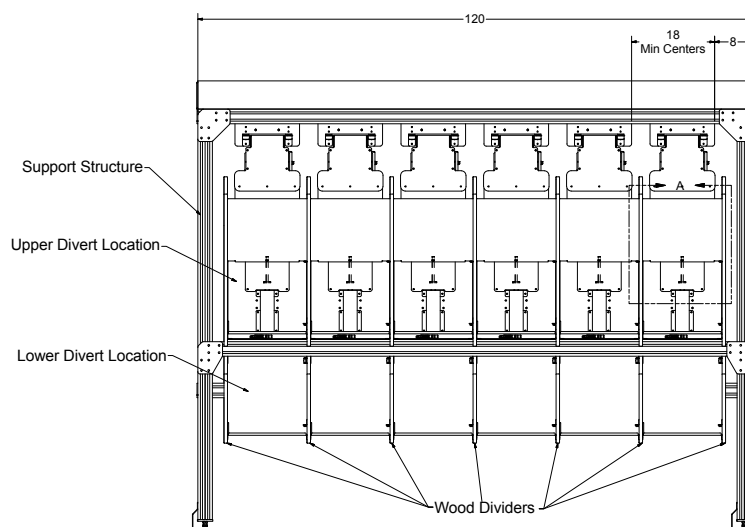
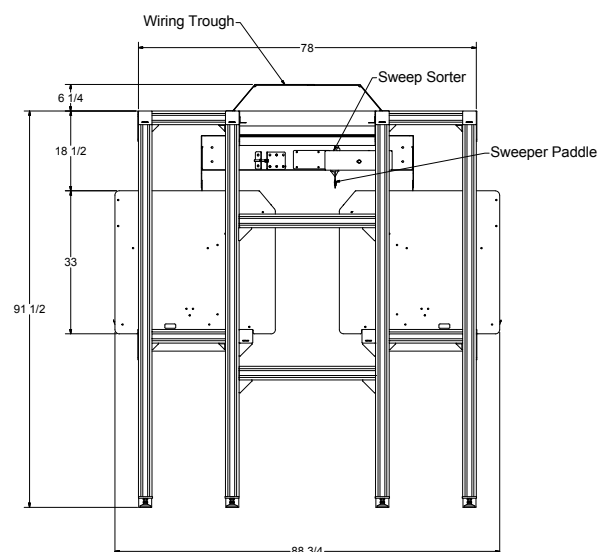
LEARN MORE

Divert Locations	1	2	3	4	5	6
Single Level/Single-Sided	419	728	1038	1347	1657	1966
Single Level/Double-Sided	478	846	1215	1583	1952	2320
Dual Level/Single-Sided	487	864	1242	1619	1997	2374
Dual Level/Double-Sided	614	1118	1623	2127	2632	3136

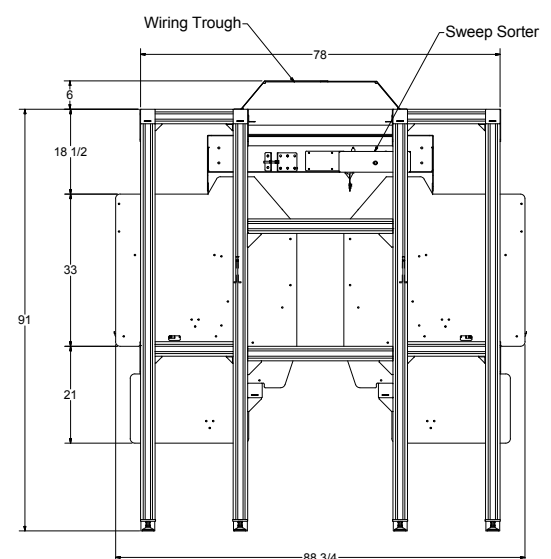
Note: Weight includes sweeper, mounting structure, and aftersort. Accessories, crating, etc., are not included.



Single Level Aftersort - Double-Sided
(Single-Sided available)

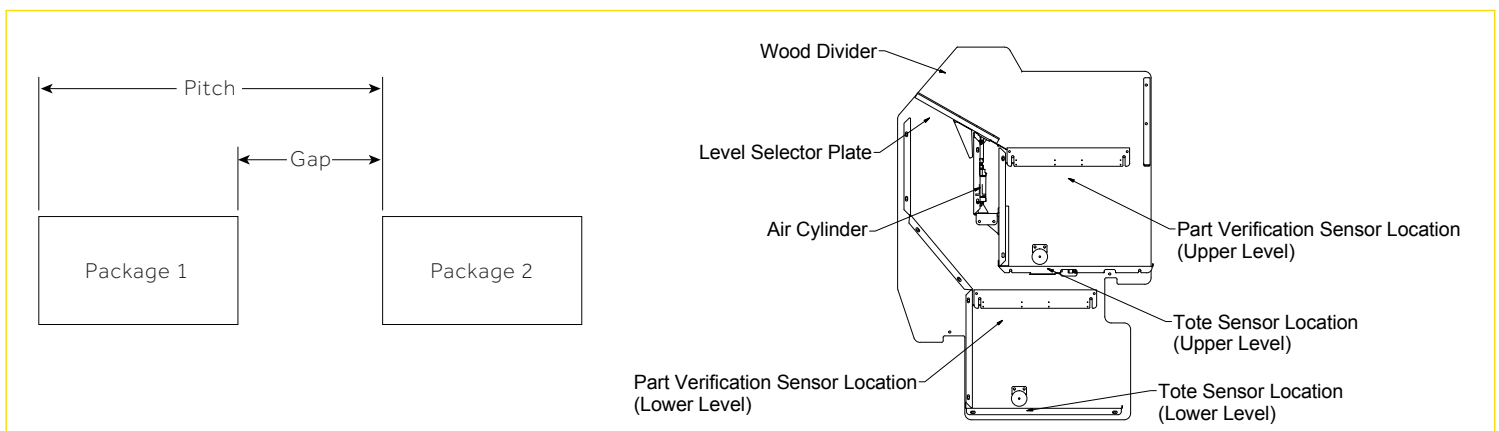
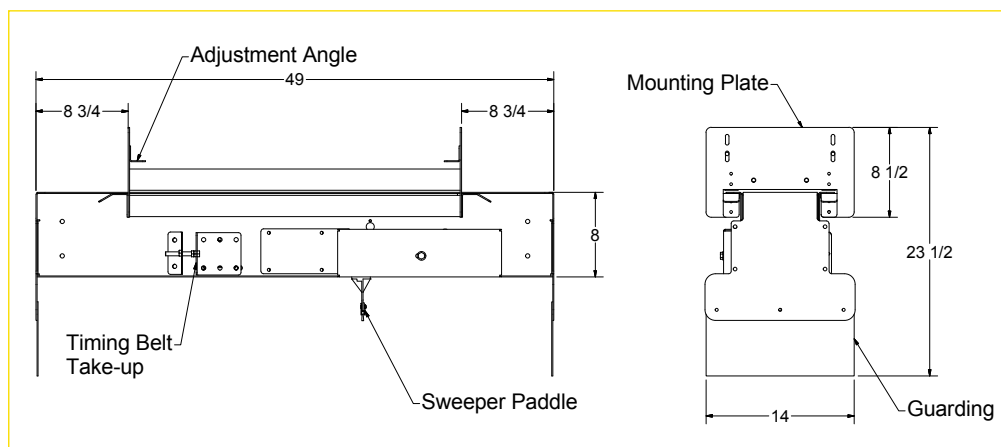


Dual Level Aftersort - Double-Sided
(Single-Sided available)



PROSORT SS

Gap Calculations - Single/ Dual Non-Concurrent			Gap Calculations - Dual Concurrent		
Speed (FPM)	Rate (PPM)	Pitch (in.)	Speed (FPM)	Rate (PPM)	Pitch (in.)
60	85.00	9.00	60	24.00	30.00
70	85.00	10.00	70	24.00	35.00
80	85.00	12.00	80	24.00	40.00
90	85.00	13.00	90	24.00	45.00
100	85.00	14.00	100	24.00	50.00
110	85.00	16.00	110	24.00	55.00
120	85.00	17.00	120	24.00	60.00
130	85.00	19.00	130	24.00	65.00
140	85.00	20.00	140	24.00	70.00
150	85.00	21.00	150	24.00	75.00
160	85.00	23.00	160	24.00	80.00
170	85.00	24.00	170	24.00	85.00
180	85.00	26.00	180	24.00	90.00
190	85.00	27.00	190	24.00	95.00
200	85.00	28.00	200	24.00	100.00



PROSORT SS

Standard Specifications Sweep Sorter

RATE – Single Level/Dual Level Non-Concurrent – 85 PPM, Dual Level Concurrent – 24 PPM.

CAPACITY – Maximum unit package weight 8 lbs.

PACKAGE SIZE – Minimum length: 4 in.; Minimum width: 4 in.; Minimum height: 1/2 in. Maximum length: 12 in.; Maximum width: 12 in.; Maximum height: 4 in.

BELT – 100ATM10 timing belt.

SERVO MOTOR – 48 VDC, absolute positioning.

TIMING BELT PULLEY – AT10 machined aluminum.

PROSORT SS

Standard Specifications; After Sort

AIR CYLINDER – 1 1/2 in. bore, 2 in. stroke, double acting.

AIR REQUIREMENTS – Working pressure 60 PSI.

AIR VALVE – 4-way single solenoid, 24VDC.

PART VERIFICATION SENSOR – Diffuse, 8 beams, 24VDC, LED.

TOTE SENSOR – Retroreflective, 24VDC, LED.

Optional Equipment

DUAL TIER CHUTE DESIGN – Provides the addition of divert lanes saving space and installation cost.

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Consult factory for details.

PSB

Plastic Belt Conveyor

The model PSB with modular plastic belting uses a positive drive system to eliminate belt slippage and mistracking.

- 16 Belt Widths
- Polypropylene 2 in. Pitch Plastic Belt
- Adjustable MS-Type Floor Supports Available



Size to Order Overall Length	Belt Width	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"
	Between Rail Width	9"	11"	13"	15"	17"	19"	21"	23"	25"	27"	29"	31"	33"	35"	37"	39"
	Overall Frame Width	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"
	Weights	328	248	368	388	408	428	448	468	488	508	528	548	568	588	608	628
Weights Per Foot		18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48

Load Capacity Chart @ 65 FPM

16" TO 28" Overall Width

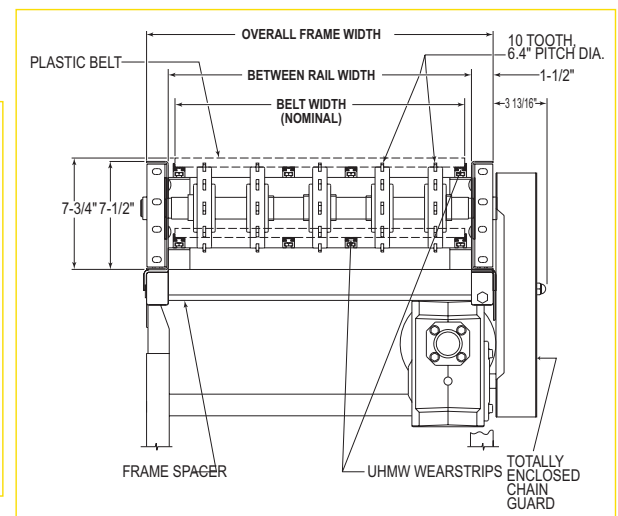
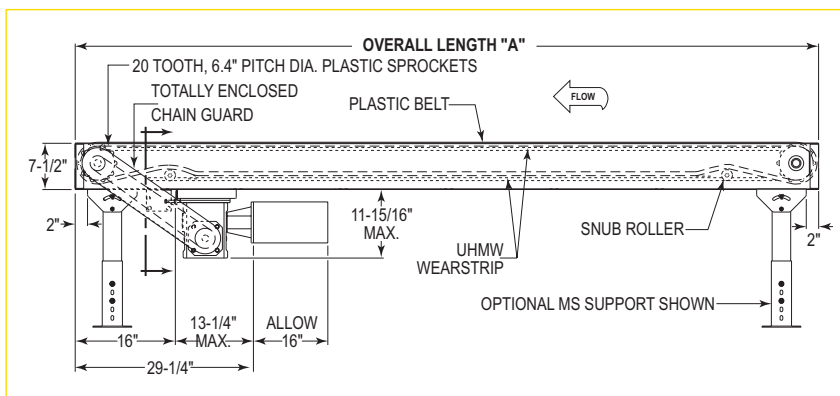
HP Total Load (lbs.)

Up To 50'

1/2 750

1 1750

2 3750



Standard Specifications

END DRIVE – Located on discharge end of conveyor. Chain guard located on left hand side.

BELT – Polypropylene 2 in. pitch flush grid, nominal 1 in. less than BR.

BED – UHMW on aluminum slider bars, mounted to frame spacers. Mounted in 7 1/2 in. x 12 ga. powder-painted, formed steel channel frame bolted together with butt couplings.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure tracking. One supplied in first 50 ft. of bed section lengths and one per 50 ft. of bed section length thereafter. Supplied in approximate center of lengths.

DRIVE AND TAIL SPROCKETS – 10 tooth 6.4 in. pitch dia. molded plastic sprockets on 1 1/2 in. sq. shaft, 1 3/16 in. dia. shaft at bearings.

SNUB ROLLERS – Located at drive and tail ends.

RETURN BARS – UHMW on aluminum.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail shafts.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive sprocket.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 200 lbs. NOT TO EXCEED capacity in chart.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BED – Stainless steel in lieu of powder-painted HRS (excluding aluminum support bars).

BELT – Other belts available, contact factory.

BELT SPEED – Other constant and variable speeds. V-belt drive supplied on speeds under 15 FPM and with variable speeds. Note: Capacity affected with speed change.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

NOSEOVER AND NOSEUNDER – Can be incorporated to provide continuous belt travel from horizontal to incline or decline.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – One direction magnetic starters and push-button stations. AC Variable Frequency Drive.

PSBC

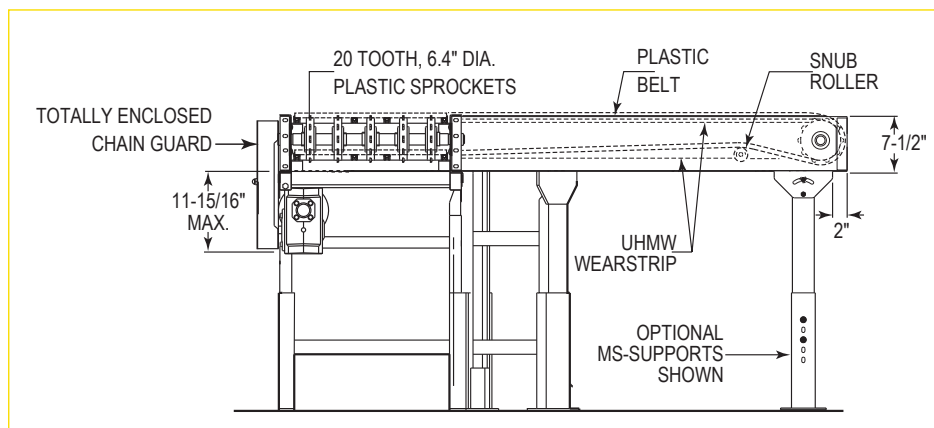
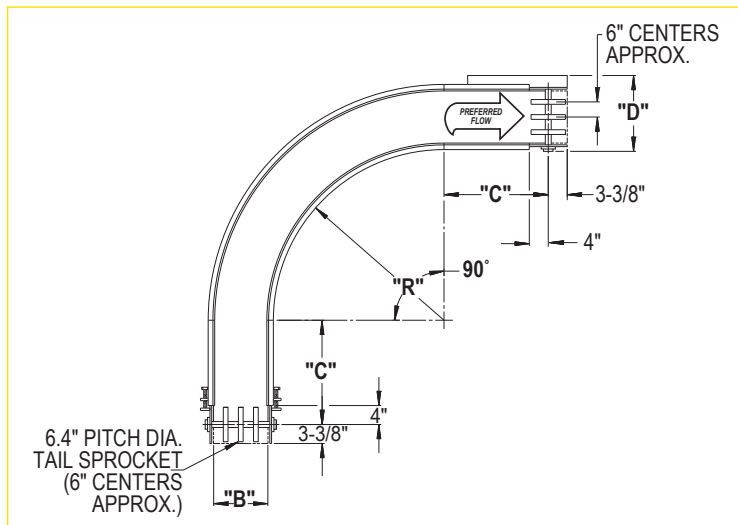
Plastic Belt Curve Conveyor

The model PSBC with modular plastic belting uses a positive drive system to eliminate belt slippage and mistracking.

- 3 Belt Widths
- Polypropylene 1 in. Pitch Plastic Belt
- Adjustable MS-Type Floor Supports Available

Curve Angle	Belt Width	12"	18"	24"	Belt Width	Bed Width	"B" Actual Conveying Surface	"C"	"D"	"R"
	Between Rail Width	13"	19"	25"						
	Overall Frame Width	16"	22"	28"						
30°	Weights (lbs.)	279	317	354	12"	16"	11"	18"	16"	27"
45°		366	424	479	18"	22"	17"	27"	22"	40"
60°		465	543	616	24"	28"	23"	36"	28"	53"
90°		551	649	740						

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Standard Specifications

END DRIVE – Located on discharge end of conveyor. Chain guard located on left hand side.

BELT – Polypropylene 1 in. pitch Flush Grid Radius Belt, nominal 1 in. less than BR.

BED – UHMW on aluminum slider bars, mounted to frame spacers. Mounted in 7 1/2 in. x 12 ga. powder-painted, formed steel channel frame bolted together with butt couplings.

DRIVE AND TAIL SPROCKETS – 20 tooth 6.4 in. pitch dia. molded plastic sprockets on 1 1/2 in. sq. shaft, 1 3/16 in. dia. shaft at bearings.

SNUB ROLLERS – Located at drive and tail ends.

RETURN BARS – UHMW on aluminum.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail shafts.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive sprocket.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – 300 lbs. distributed live load.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BED – Stainless steel in lieu of powder-painted HRS (excluding aluminum support bars).

BELT – Other belts available, contact factory.

BELT SPEED – Other constant and variable speeds. V-belt drive supplied on speeds under 15 FPM and with variable speeds. Note: Capacity affected with speed change.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

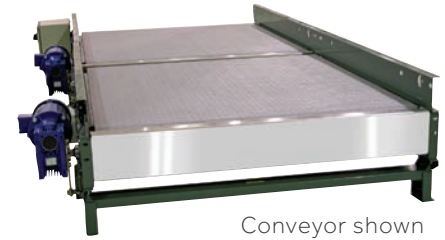
ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

PLEZD

Heavy-Duty Plastic Belt Conveyor

The model PLEZD is a plastic belt conveyor designed to handle footed pallets, slip sheets, and unitized loads— items normally non-conveyable on roller conveyor. The PLEZD provides zero-pressure accumulation, reducing the possibility of product damage.

- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System (Retro-Reflective)
- Heavy-Duty Plastic Belt
- Shaft-Mounted Drives
- Adjustable HS-Type Floor Supports Available



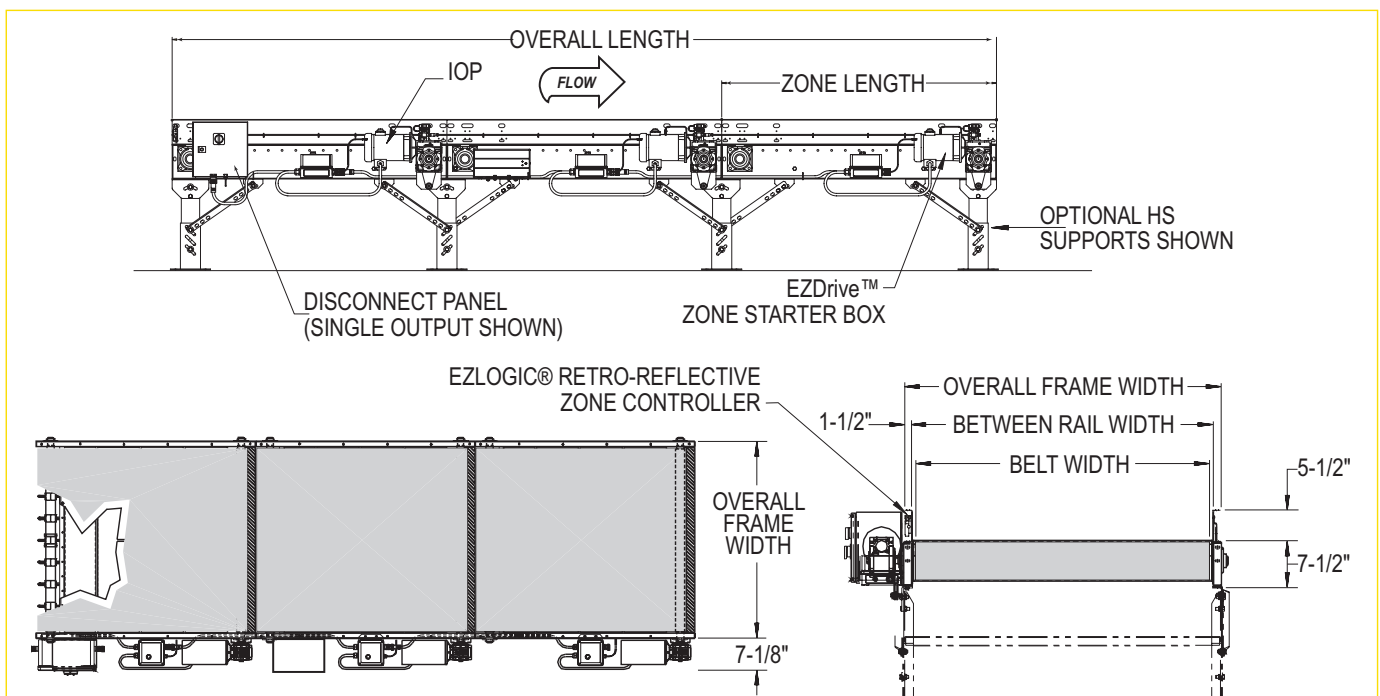
Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Belt Width Between Rail Width Overall Frame Width Weights Per Zone (lbs.)	30.1"	33.4"	36.8"	40.2"	43.5"	46.8"	50.2"	60.2"	73.6"
	31"	35"	37"	41"	45"	47"	51"	61"	75"
	34"	38"	40"	44"	48"	50"	54"	64"	78"
	525	575	600	640	690	715	760	880	1025

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Weights in chart are for one 60" zone.

Load Per Zone	Gear Box Size 63				Gear Box Size 90			
	500 lbs.	1000 lbs.	1500 lbs.	2000 lbs.	500 lbs.	1000 lbs.	1500 lbs.	2000 lbs.
Motor HP	1/2 HP	3/4 HP	1 HP	1 1/2 HP	1/2 HP	3/4 HP	1 HP	1 1/2 HP
Disconnect Panel Type	230 V	460 V	230 V	460 V	230 V	460 V	230 V	460 V
Single Output	1-5 Zones	1-10 Zones	1-3 Zones	1-6 Zones	1-2 Zones	1-5 Zones	1-2 Zones	1-4 Zones
Dual Output	6-10 Zones	11-20 Zones	4-6 Zones	7-12 Zones	3-5 Zones	6-10 Zones	3-4 Zones	5-8 Zones



PLEZD

Standard Specifications

BELT – 1in. pitch polypropylene plastic belt.

BED – 1/4 in. UHMW over steel bed channels mounted in 7 1/2 in. x 7 ga. powder-painted formed steel channels.

EZDRIVE® SYSTEM – Shaft mounted gearmotor located at discharge of each zone. 1/2 HP, 3 PH, 60 Hz. Totally enclosed; fan cooled. 230 or 460 V (specify voltage). Includes EZDrive® Disconnect Panel. Power is distributed zone-to-zone through pluggable cordsets. Power is connected from the starter box to the motor via SO type cord. Please contact factory if local code requires other than the standard power distribution techniques described.

ACCUMULATION ZONES – 30 in. to 120 in. on 6 in. increments.

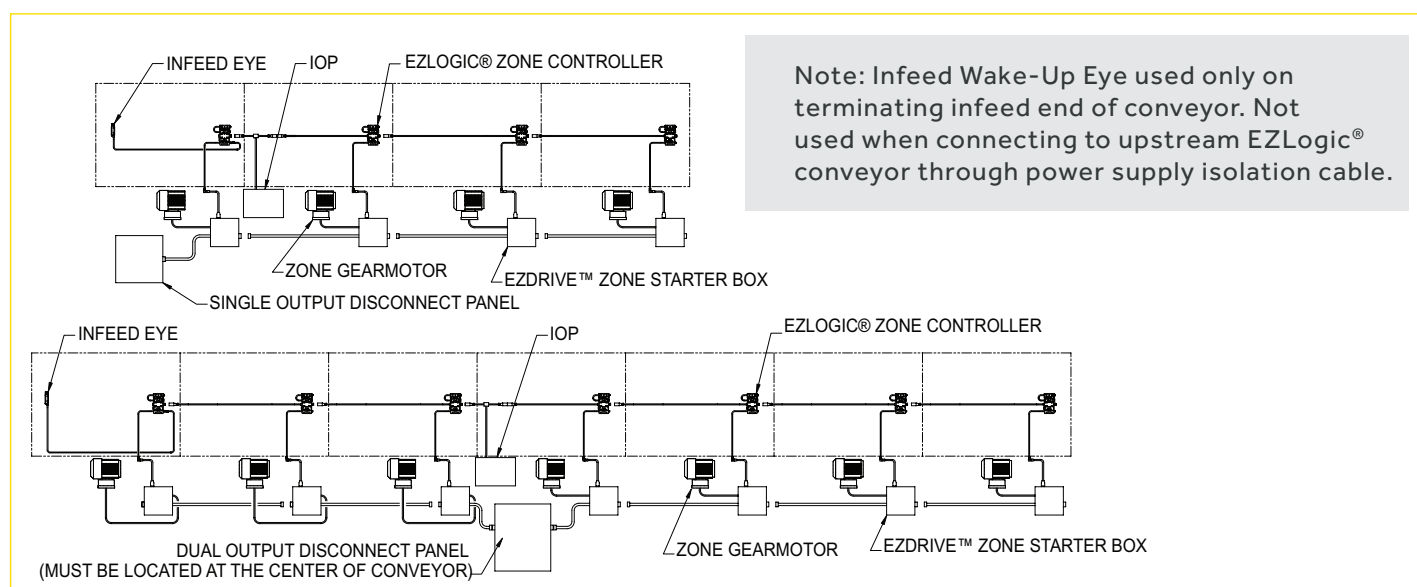
EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Should be located near disconnect panel. See chart for maximum quantity of zones. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Constant 34 FPM.

CAPACITY – See Chart.

FLOOR SUPPORTS – Supplied as optional equipment.



Optional Equipment

FLOOR SUPPORTS – HS Type floor supports are available with a wide range of adjustment. Specify top of belt elevation. One support required at every bed joint and ends of conveyor (for standard lengths and capacity). Holes in feet for lagging to floor. Knee braces recommended above HS-6 support.

CONVEYING SPEED – Other constant and variable speeds available, contact factory.

GEARMOTOR – 3/4 HP, 1 HP, and 1 1/2 HP available.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

A

Aluminum Portable Narrow Belt Conveyor

The model A, with its high-grip belt, easily moves boxes, cases, and cartons up inclines. Its narrow width allows it to be used in a stairway for floor-to-floor conveying. It can be propped on a shelf for stacking or order picking. The model A can be stored on its end in a minimum amount of space.

- Aluminum Bed
- High-Grip Belt
- Electrical Controls
- Reversible

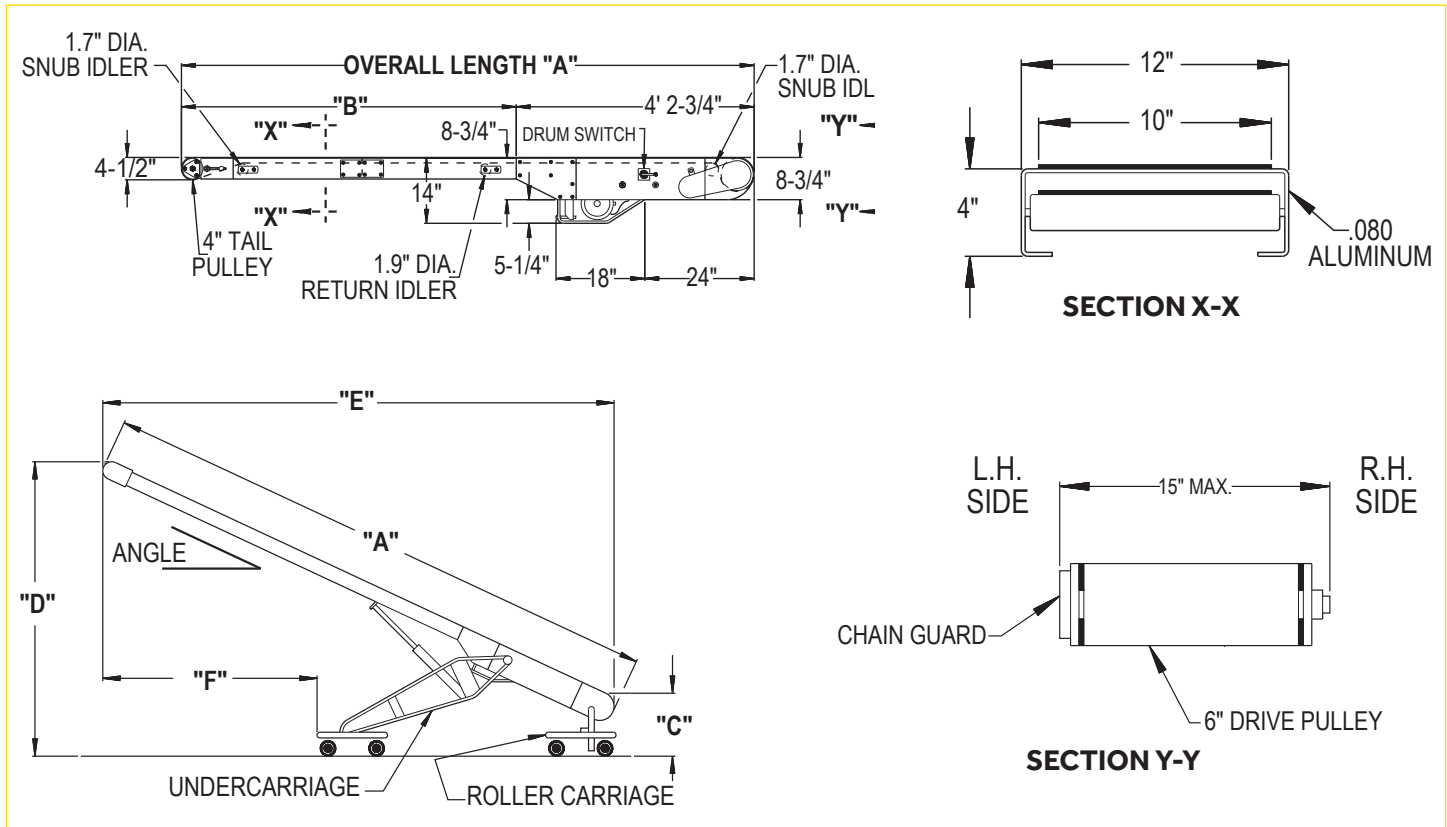


TECHNICAL MANUAL

Adjustment Chart for 8' to 16' Long Units								
Overall Length "A"	Angle of Incline	C = 19"			Angle of Incline	C = 34"		
		With Roller Carriage "D"	"E"	"F"		With Roller Carriage "D"	"E"	"F"
8'	8°	2' 7"	7' 10"	0' 3"	0°	2' 10"	8' 0"	0' 8"
	25°	4' 7"	7' 2"	0' 0"	25°	5' 11"	7' 2"	0' 8"
	30°	5' 7"	6' 10"	0' 2"	30°	6' 4"	6' 10"	0' 7"
	45°	6' 7"	5' 9"	0' 10"	43°	7' 8"	5' 10"	0' 3"
10'	8°	2' 10"	9' 10"	2' 3"	0°	2' 10"	10' 0"	2' 8"
	25°	5' 5"	9' 0"	1' 9"	25°	6' 8"	8' 11"	2' 6"
	30°	6' 1"	8' 7"	1' 6"	30°	7' 4"	8' 7"	2' 3"
	45°	7' 11"	7' 1"	0' 7"	43°	9' 0"	7' 4"	1' 9"
12'	8°	3' 2"	11' 10"	4' 3"	0°	2' 10"	12' 0"	4' 8"
	25°	6' 3"	10' 9"	3' 7"	25°	7' 7"	10' 9"	4' 3"
	30°	7' 1"	10' 3"	3' 3"	30°	8' 5"	10' 4"	4' 0"
	45°	9' 4"	8' 6"	2' 0"	43°	10' 4"	8' 10"	3' 2"
14'	8°	3' 5"	13' 11"	6' 3"	0°	2' 10"	14' 0"	6' 8"
	25°	7' 1"	12' 7"	5' 5"	25°	8' 5"	12' 7"	6' 1"
	30°	8' 1"	12' 1"	5' 0"	30°	9' 5"	12' 0"	5' 9"
	45°	10' 9"	10' 0"	3' 5"	43°	11' 9"	10' 3"	4' 8"
16'	8°	3' 8"	15' 11"	8' 2"	0°	2' 10"	16' 1"	8' 8"
	25°	8' 0"	14' 4"	7' 2"	25°	9' 3"	14' 4"	7' 2"
	30°	9' 1"	13' 9"	6' 8"	30°	10' 5"	13' 8"	7' 4"
	45°	12' 2"	11' 3"	4' 9"	43°	13' 1"	11' 8"	6' 1"

Size to Order Overall Length "A"	"B"	Weights (lbs.)
6'	1' 9 1/4"	145
8'	3' 9 1/4"	155
10'	5' 9 1/4"	165
12'	7' 9 1/4"	175
14'	9' 9 1/4"	195
16'	11' 9 1/4"	205
18'	13' 9 1/4"	215
20'	15' 9 1/4"	225

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Remote Switch Control Rod



Permanent Floor Stands



Lower or Upper Gravity Feeder



Stand with Rubber Wheels and Locks

A

Standard Specifications

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

BED – 12 in. wide x .080 aluminum, 6061-T6 heat treated, reinforced.

DRIVE PULLEY – 6 in. dia. with 3/4 in. dia. shaft at bearings. Machine crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 1.7 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups provided at tail pulley. Provides 3 1/2 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated ball bearings on drive and tail pulleys.

SPEED REDUCTION – 4-step jackshaft v-belt and No. 40 roller chain.

MOTOR – 1/2 HP, 15/230V, 1 Ph. 60 Hz. Totally enclosed. Wired for 115 volt.

ELECTRICAL CONTROLS – Reversing drum switch with power cord and plug mounted on side shown on drawing. Specify if other side desired.

BELT SPEED – Constant 83 FPM.

CAPACITY – 200 lbs. total distributed load, 120 lbs. unit load at 83 FPM.

Optional Equipment

CLEATED BELT – Two 1 1/2 in. dia. x 1/2 in. high cleats, fastened to belt by 5/16 in. elevator bolts spaced every 60 in. Requires gear reducer drive and spooled idlers.

BELT SPEED – Other constant and variable speeds. Requires gear reducer drive. Note: Capacity affected with speed change.

RUBBER WHEELS – Two 6 in. dia. x 2 in. wide with 5/8 in. dia. shaft.

STAND WITH RUBBER WHEELS – 6 in. dia. x 2 in. wide wheels (with locks) mounted on adjustable tubular stand, 17 in. to 36 in. top of belt.

UNDERCARRIAGE – 25 in. wide tubular steel frame with hydraulic adjustment mounted on support with 4 in. dia. steel swivel casters. See drawing and adjustment chart. Not available on 16 ft., 18 ft. and 20 ft. units.

ROLLER CARRIAGE – 25 in. wide tubular steel support with 4 in. dia. steel swivel casters. See drawing and adjustment chart. Not available on 16 ft., 18 ft., and 20 ft. units.

FLOOR SUPPORTS – Adjustable steel channel with knee braces. MSAT on tail RSAD on drive.

GRAVITY CONVEYOR BRACKET – 1/2 in. dia. rod for connecting wheel or roller conveyor.

LOWER GRAVITY FEEDER – 2 ft. long x 12 in. wide (1 1/2 SW-12-24) includes adjustable tubular support and gravity conveyor bracket.

UPPER GRAVITY FEEDER – 2 ft. long x 12 in. wide (3SW-12-16) includes adjustable tubular support and gravity conveyor bracket.

LOW POWERED FEEDER – Chain type driven from drive pulley. 2 ft. 6 in. long belt feeder section includes adjustable tubular support and gravity conveyor bracket.

GUARD RAILS – Channel type, adjustable vertically and horizontally.

STAIRWAY WALL BRACKETS – Hinged brackets bolt to bed section and wall. Adjustable leg to rest on floor or step. Hook to hold conveyor close to wall when not in use.

TROUGHING ATTACHMENT – Flat steel supports under belt form trough for handling loose material. Hopper available.

STAINLESS STEEL BED COVER – 18 ga. stainless steel skin (for ice house application).

SELF-CLEANING DRIVE AND TAIL PULLEYS – Crowned and ribbed to prevent clogging under belt.

GEAR REDUCER DRIVE – Sealed worm gear speed reducer driven by motor with v-belt. Drive is bolted to bottom of bed. Standard motor support and guard not available. Affects mounting of other options. Consult factory.

REMOTE SWITCH CONTROL – Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on side shown on drawing. Specify if required on other side.

MOTOR – 1/2 HP maximum.

R

Aluminum Portable Folding Belt Conveyor

The model R, besides being extremely convenient (it can be folded in half), is also extremely versatile. Its conveying uses include: truck, loft or freight car, floor-to-floor, stairway, as well as its use as a portable booster with a wheel or roller conveyor. It is also suitable for bag handling, bag and carton stacking, and moving cartons, cases, and boxes.

- Folding Aluminum Bed
- High-Grip Belt
- Electrical Controls
- Reversible



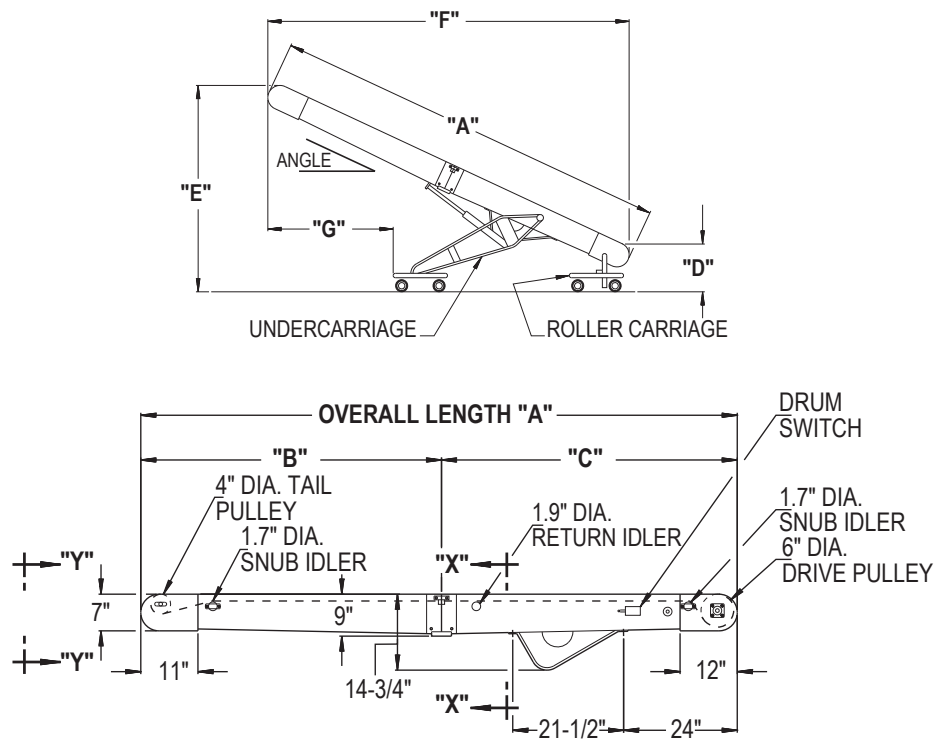
TECHNICAL MANUAL

Adjustment Chart for 10' to 21' Long Units

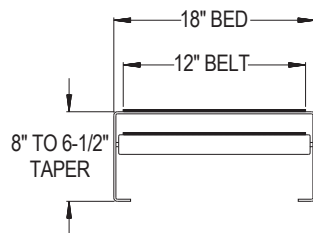
Size to Order	Angle of Incline	D = 7"			Size to Order	Angle of Incline	D = 18"			Size to Order	Angle of Incline	D = 31"		
		Less Roller Carriage "E"	"F"	"G"			With Roller Carriage "E"	"F"	"G"			With Roller Carriage "E"	"F"	"G"
10'	11°	2' 5"	9' 10"	1' 8"	10'	3°	2' 0"	10' 0"	1' 10"	10'	0°	2' 7"	10' 1"	2' 1"
	25°	4' 6"	9' 1"	1' 2"		25°	5' 6"	9' 2"	1' 5"		25°	6' 6"	9' 1"	2' 0"
	30°	5' 3"	8' 9"	0' 11"		30°	6' 3"	8' 7"	1' 3"		27°	6' 11"	8' 11"	2' 0"
	43°	7' 0"	7' 6"	0' 1"		36°	7' 1"	8' 2"	1' 0"		—	—	—	—
11 1/2'	11°	2' 9"	11' 5"	3' 3"	11 1/2'	3°	2' 1"	11' 7"	3' 5"	11 1/2'	0°	2' 7"	11' 7"	3' 9"
	25°	5' 3"	10' 7"	2' 7"		25°	6' 3"	10' 7"	2' 10"		25°	7' 3"	10' 7"	3' 6"
	30°	6' 1"	10' 2"	2' 4"		30°	7' 1"	10' 2"	2' 8"		27°	7' 8"	10' 5"	3' 5"
	43°	8' 1"	8' 8"	1' 4"		36°	8' 1"	9' 6"	2' 4"		—	—	—	—
13'	11°	3' 0"	12' 11"	2' 10"	13'	3°	2' 2"	13' 0"	3' 0"	13'	0°	2' 7"	13' 1"	3' 3"
	25°	5' 10"	11' 11"	2' 5"		25°	6' 11"	12' 0"	2' 11"		25°	7' 11"	11' 11"	4' 0"
	30°	6' 10"	11' 5"	2' 3"		30°	7' 10"	11' 5"	2' 10"		27°	8' 4"	11' 9"	4' 0"
	43°	9' 2"	9' 9"	1' 8"		36°	9' 0"	10' 9"	2' 10"		—	—	—	—
15'	11°	3' 5"	14' 10"	4' 10"	15'	3°	2' 3"	15' 0"	5' 0"	15'	0°	2' 7"	15' 1"	5' 3"
	25°	6' 9"	13' 9"	4' 2"		25°	7' 9"	13' 9"	4' 8"		25°	8' 9"	13' 9"	5' 9"
	30°	7' 10"	13' 2"	3' 11"		30°	8' 10"	13' 2"	4' 7"		27°	9' 3"	13' 6"	5' 9"
	43°	10' 6"	11' 3"	3' 2"		36°	10' 2"	12' 4"	4' 5"		—	—	—	—
17'	10°	3' 6"	16' 10"	5' 9"	17'	3°	2' 5"	17' 0"	6' 0"	17'	0°	2' 7"	17' 1"	6' 3"
	25°	7' 6"	15' 6"	5' 3"		25°	8' 7"	15' 6"	5' 11"		25°	9' 7"	15' 6"	7' 5"
	30°	8' 10"	14' 10"	5' 1"		30°	9' 10"	14' 10"	5' 10"		—	—	—	—
	38°	10' 9"	13' 7"	4' 9"		36°	11' 3"	13' 11"	5' 8"		—	—	—	—
19'	10°	3' 9"	18' 10"	7' 9"	19'	3°	2' 6"	19' 0"	8' 0"	19'	0°	2' 7"	19' 1"	8' 3"
	25°	8' 5"	17' 3"	7' 1"		25°	9' 5"	17' 4"	7' 9"		23°	9' 11"	17' 7"	9' 0"
	30°	9' 10"	16' 7"	6' 10"		30°	10' 10"	16' 7"	7' 8"		—	—	—	—
	38°	12' 0"	15' 2"	6' 3"		—	—	—	—		—	—	—	—
21'	8°	3' 6"	20' 11"	9' 0"	21'	2°	2' 3"	21' 0"	9' 3"	21'	0°	2' 7"	21' 1"	9' 6"
	25°	9' 3"	19' 1"	8' 4"		25°	10' 3"	19' 2"	9' 2"		23°	10' 8"	19' 5"	10' 7"
	30°	10' 9"	18' 4"	8' 1"		30°	11' 10"	18' 3"	9' 1"		—	—	—	—
	37°	12' 11"	17' 0"	7' 10"		—	—	—	—		—	—	—	—

Size to Order	Motor H.P.	Overall Length "A"	"B"	"C"	Weights (lbs.)
10'	1/2	10' 1"	5' 0 1/2"	5' 0 1/2"	175
11 1/2'	1/2	11' 7"	6' 6 1/2"	5' 0 1/2"	190
13'	1/2	13' 1"	6' 6 1/2"	6' 6 1/2"	205
15'	1/2	15' 1"	8' 6 1/2"	6' 6 1/2"	225
17'	1/2	17' 1"	8' 6 1/2"	8' 6 1/2"	245
19'	1	19' 1"	10' 6 1/2"	8' 6 1/2"	270
21'	1	21' 1"	10' 6 1/2"	10' 6 1/2"	285

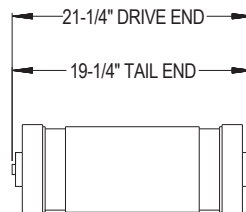
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



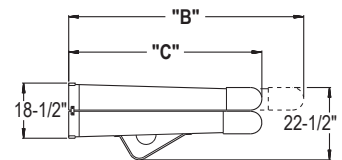
SECTION X-X



SECTION Y-Y



FOLDED MODEL "R"



Gravity conveyor bracket



Roller carriage and undercarriage



Lower powered feeder

R

Standard Specifications

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

BED – 18 in. wide x .080 aluminum, 6061-T6 heat treated, reinforced.

DRIVE PULLEY – 6 in. dia. with 3/4 in. dia. shaft. Machine crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 1.7 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups provided at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated ball bearings on drive and tail pulleys.

SPEED REDUCTION – 4-step jackshaft v-belt and No. 40 roller chain.

MOTOR – For HP see chart, 115/230V, 1 Ph. 60 Hz. totally enclosed and wired for 115 volt.

ELECTRICAL CONTROLS – Reversing drum switch with power cord and plug mounted on side shown on drawing. Specify if other side desired.

BELT SPEED – Constant 65 FPM.

CAPACITY – 300 lbs. total distributed load, 150 lbs. unit load at 65 FPM.

Optional Equipment

CLEATED BELT – Two 1 1/2 in. dia. x 1 in. high hardwood cleats, fastened to belt with 5/16 in. elevator bolts spaced every 60 in. Requires gear reducer drive and spooled idlers.

BELT SPEED – Other constant and variable speeds. Requires gear reducer drive. Note: Capacity affected with speed change.

RUBBER WHEELS – Two 6 in. dia. x 2 in. wide with 5/8 in. dia. shaft.

STAND WITH RUBBER WHEELS – 6 in. dia. x 2 in. wide wheels (with locks) mounted on adjustable tubular stand, 17 in. to 36 in. top of belt.

UNDERCARRIAGE – 25 in. wide tubular steel frame with hydraulic adjustment mounted on support with 4 in. dia. steel swivel casters. See drawing and adjustment chart. Not available on 19 ft. or 21 ft.

ROLLER CARRIAGE – 25 in. wide tubular steel support with 4 in. dia. steel swivel casters. See drawing and adjustment chart.

FLOOR SUPPORTS – Adjustable steel channel with knee braces. RSR type.

GRAVITY CONVEYOR BRACKET – 1/2 in. dia. rod for connecting wheel or roller conveyor.

LOWER GRAVITY FEEDER – 2 ft. long x 18 in. wide (1 1/2 SW-18-36) includes adjustable tubular support and gravity conveyor bracket.

UPPER GRAVITY FEEDER – 2 ft. long x 18 in. wide (3 SW-18-18) includes adjustable tubular support and gravity conveyor bracket.

LOW POWERED FEEDER – Chain type driven from drive pulley. 2 ft. 6 in. long belt feeder section includes adjustable tubular support and gravity conveyor bracket.

GUARD RAILS – Channel type, adjustable vertically and horizontally.

STAIRWAY WALL BRACKETS – Hinged brackets bolt to bed section and wall. Adjustable leg to rest on floor or step. Hook to hold conveyor close to wall when not in use.

TROUGHING ATTACHMENT – Flat steel supports under belt form trough for handling loose material. Hopper available. Not foldable with troughing attachment.

STAINLESS STEEL BED COVER – 18 ga. stainless steel skin (for ice house application).

SELF-CLEANING DRIVE AND TAIL PULLEYS – Crowned and ribbed to prevent clogging under belt.

GEAR REDUCER DRIVE – Sealed worm gear speed reducer driven by motor with v-belt. Drive is bolted to bottom of bed. Standard motor support and guard not available. Affects mounting of other options. Consult factory.

REMOTE SWITCH CONTROL – Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on side shown on drawing. Specify if required on other side.

MOTOR – 1 HP maximum.

PC

Portable Folding Booster Belt Conveyor

One lever control adjusts angle without effort. Desired angle automatically locked by powered screw.

- 6 Lengths
- 14 in. Wide High-Grip Belt
- Reversible
- Bed Section Folds
- Adjustable Infeed Height



TECHNICAL MANUAL

Size to Order Overall Length "A"	Belt Width	4"	6"	8"	10"	12"	16"	18"	24"
	Bed Width	8"	10"	12"	14"	16"	20"	22"	28"
5'	Weights (lbs.)	348	377	420	434	477	530	583	635
7'		379	408	451	467	508	563	620	675
9'		410	440	482	501	539	596	657	714
11'		441	472	513	534	570	629	694	753
13'		472	504	544	568	601	662	731	792

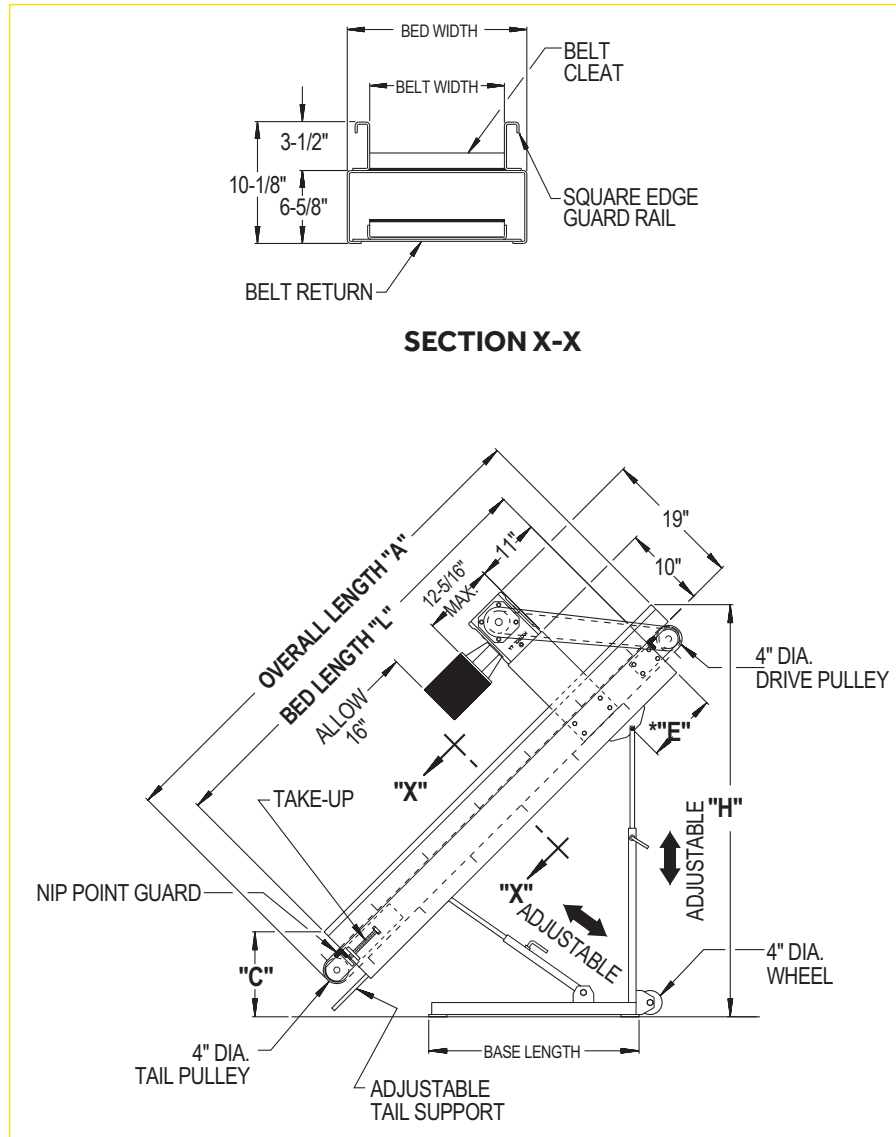
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Adjustment Chart for 5' to 13' Long Units											
Overall Length "A"	Bed Length "L"	Base Length	Minimum Tail		Minimum Tail		Maximum Tail		Maximum Tail		*"E"
			Minimum Drive		Maximum Drive		Minimum Drive		Maximum Drive		
			"C"	"H"	"C"	"H"	"C"	"H"	"C"	"H"	
5'	4'	22"	11"	41 1/2"	10"	56"	25 1/2	37 1/2"	26"	54 1/2"	11"
7'	6'	34"		51 1/2"		76 1/2"	44 1/2"	44 1/2"	45"	73 1/2"	
9'	8'	46"		64 1/2"		97 1/2"	57 1/2"	57 1/2"	48"	95 1/2"	
11'	10'	58"		74 1/2"		118"	67 1/2"	67 1/2"	55 1/2"	116"	
13'	12'	58"		86 1/2"		124"	67 1/2"	67 1/2"	55 1/2"	124"	35"

*Applies to portable base only.



Feeder shown with standard PC type guard rail, gravity bracket with pop-out roller, and optional MS type floor supports.



PC

Standard Specifications

BELT – 2-ply black Nitrile with 1 1/2 in. high molded cleats on 12 in. centers. Clipper lacing.

BED – 6 5/8 in. deep x 12 ga powder-painted formed steel slider bed. 3 1/2 in. high vertical sides with square edge guard rail. Standard sections are 4 ft., 6 ft., 8 ft., 10 ft., and 12 ft. long. Longer bed sections are bolted together with splice plates and joint support angles.

PORTABLE BASE SUPPORT – Tubular steel support mounted on 4 in. dia. steel wheels. Adjustable to control conveyor height at top and bottom. Adjustment height can be locked in place with lever. Note: Not available on units longer than 13 ft.

OVERHEAD END DRIVE – Motor reducer unit mounted 9 1/2 in. above belt (chain guard RH side).

DRIVE PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned and fully lagged.

BELT RETURN – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

TAKE-UP – Take-ups provided at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulleys.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive pulley.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – 300 lbs. total distributed load at 65 FPM.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-3 support.

BELT – 1/2 in. x 1 in. galvanized flat wire mesh belt with 1 1/4 in. high steel angle cleats, spaced every 12 in. Galvanized low carbon steel or stainless steel. 1 in. x 1 in. or 1/2 in. x 1/2 in. mesh available.

BELT SPEED – Other constant and variable speeds. V-belt drive supplied under 17 FPM. Note: Capacity affected with speed change.

OVERHEAD END DRIVE – Higher than standard clearance above belt, specify.

UNDERSIDE END DRIVE – Motor reducer unit mounted underneath bed. Extends down 11 in. from bottom of bed.

PULLEYS – 6 in. tail with 1 3/16 in. dia. shaft at bearings or 8 in. drive with 1 3/16 in. dia. shaft at bearings.

V-BELT DRIVE – V-belt supplied between motor and reducer. Minimum overall drive width 14 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

HIGHER SIDE GUARDS – 6 in., 9 in., or 12 in. high vertical sides in place of standard 3 1/2 in. high. Note: 12 in. high sides require higher than standard overhead or underside drive.

LOW-POWERED FEEDER – Chain type driven from tail pulley of conveyor. Black friction surface belt. Includes MS-6 support. Note: Conveyor tail pulley is used for belt take-up. When belt tension is adjusted, feeder will have to be moved along with the take-up. Capacity affected with this option.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

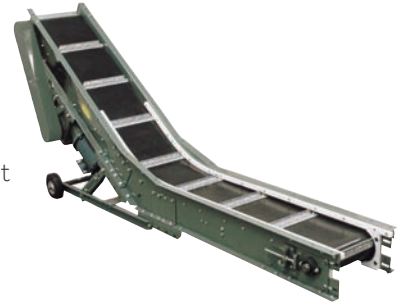
ELECTRICAL CONTROLS – One direction manual start switch. Non-reversing magnetic starters. Push button stations. AC variable frequency drive.

PCX

Low-Profile Portable Parts Conveyor

The portable model PCX parts conveyor can be easily positioned under punch presses and extruding machines to catch small steel, plastics, or aluminum stampings, etc. Conveys them quickly up to hopper or drum.

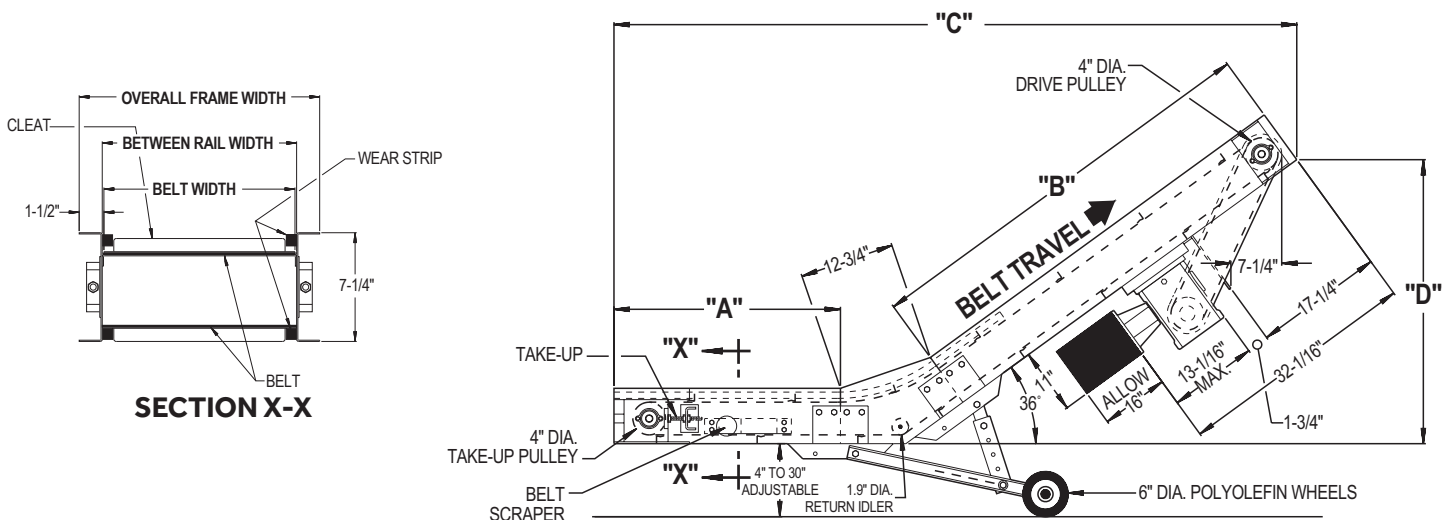
- Belt with 1 in. High Metal Cleats
- Underside Drive
- 5/8 in. High Vertical Sides Above Cleat
- Enclosed Box Construction
- Belt Scraper
- Adjustable Portable Support



TECHNICAL MANUAL

Overall Frame Width	Between Rail Width	Belt Width	"A"	"B"	"C"	"D"	Weights (lbs.)
15 1/8"	12 1/8"	12"	30"	45"	82 3/4"	32"	268
				54"	90 1/8"	37 1/4"	279
				66"	99 3/4"	44 3/8"	294
			42"	45"	94 3/4"	32"	277
				54"	102 1/8"	37 1/4"	309
				66"	111 3/4"	44 3/8"	303
21 1/8"	18 1/8"	18"	30"	45"	82 3/4"	32"	298
				54"	90 1/8"	37 1/4"	309
				66"	99 3/4"	44 3/8"	331
			42"	45"	94 3/4"	32"	309
				54"	102 1/8"	37 1/4"	323
				66"	111 3/4"	44 3/8"	342
27 1/8"	24 1/8"	24"	30"	45"	82 3/4"	32"	332
				54"	90 1/8"	37 1/4"	348
				66"	99 3/4"	44 3/8"	370
			42"	45"	94 3/4"	32"	343
				54"	102 1/8"	37 1/4"	359
				66"	111 3/4"	44 3/8"	381

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Standard Specifications

END DRIVE – Located on discharge end of conveyor. Chain guard located on left hand side.

BELT – Black Trackmate 533 COS-PVC (cover one side) with 1 in. high steel angle cleats on 12 in. centers. Clipper lacing.

BED – 7 1/4 in. x 12 ga. powder-painted steel, formed side channel with bolted in slider bed which provides 1 in. high sides above belt.

BELT SCRAPER – Mounted inside conveyor bed section to clean underside of return belt.

PORTABLE SUPPORT – Undercarriage is adjustable from 4 in. to 30 in. with 6 in. dia. rubber wheels.

DRIVE PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

BELT RETURN – Belt cleats slide on flat metal return guide.

TAKE-UP – Take-ups at tail pulley. Provides 6 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated ball bearings on drive and tail pulleys.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No 50. roller chain to drive pulley.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

BELT SPEED – Constant 25 FPM maximum.

CAPACITY – 100 lbs. total distributed live load.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-3 support.

OVERHEAD END DRIVE – Motor reducer unit mounted 9 1/4 in. above cleat.

V-BELT DRIVE – V-belt supplied between motor and reducer.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

INCLINE – 45 degrees in place of standard 36 degrees requires 15 3/4 in. incline section. Other horizontal and incline lengths available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 1 HP maximum.

ELECTRICAL CONTROLS – One direction manual start switch, non-reversing magnetic starters, push button stations, power cord. AC variable frequency drive.

B

Portable Folding Cleated Conveyor

Ideal for stacking, loading, and unloading. Cleats permit use at steeper inclines up to 45 degrees. Complete with portable base.

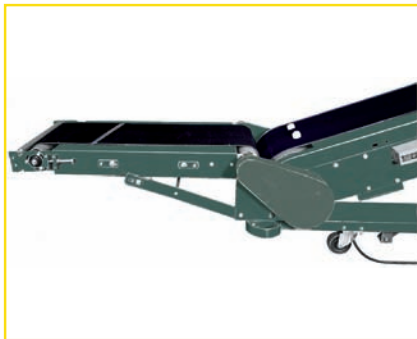
[TECHNICAL MANUAL](#)

- Folding Bed
- High-Grip Belt with Hardwood Cleats
- Rugged Steel Frame
- Self-Powered Raising Device
- Reversible



Size To Order	Overall Length "A"	Angle of Incline	"L"	"H"	"E"	"C"	"B" Folded Length	Weights (lbs.)
10'	10' 9"	0°	10' 11"	1' 4"	5' 1"	44"	5' 10"	545
		25°	9' 11"	5' 7"	4' 1"			
		30°	9' 4"	6' 5"	3' 6"			
		45°	7' 9"	8' 6"	1' 11"			
12'	12' 9"	0°	12' 11"	1' 4"	6' 1"	68"	6' 10"	590
		25°	11' 8"	6' 6"	4' 10"			
		30°	11' 1"	7' 5"	4' 3"			
		45°	9' 2"	10' 0"	2' 4"			
14'	14' 9"	0°	14' 11"	1' 4"	7' 1"	80"	7' 10"	650
		25°	13' 6"	7' 4"	5' 8"			
		30°	12' 10"	8' 5"	5' 0"			
		45°	10' 7"	11' 6"	2' 9"			
16'	16' 9"	0°	16' 11"	1' 4"	8' 1"	92"	8' 10"	695
		25°	15' 4"	8' 2"	6' 6"			
		30°	14' 7"	9' 5"	5' 9"			
		45°	12' 0"	13' 0"	3' 2"			

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



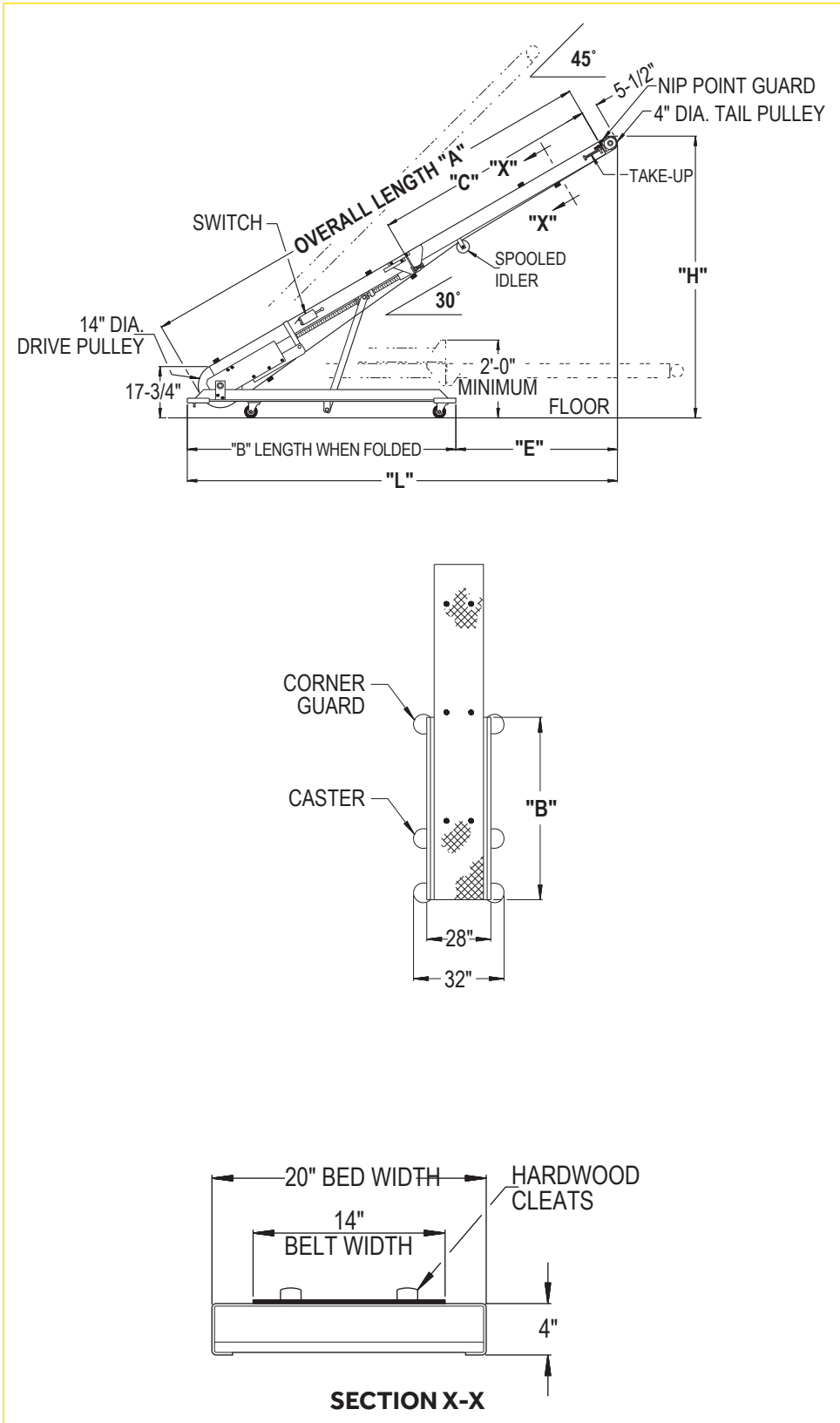
Lower powered feeder



Troughing attachment with hopper



Self-powered raising device



B

Standard Specifications

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

CLEATS – Two 1 1/2 in. dia. x 1 in. high hardwood cleats, fastened to belt with 5/16 in. elevator bolts spaced every 60 in.

BED – 4 in. deep x 20 in. wide x 12 ga. powder-painted formed steel slider bed. Bed is hinged for storage purposes (see drawing).

HINGES – To fold bed to shorter length for storage. Screw adjustment ensures alignment of bed. Exclusive link (breathing feature) prevents damage of belt.

INCLINE – Adjustable with conveyor motor powered screw raising device (see chart for angles). Safety nut prevents rapid release of bed in case of overloading.

BASE – Welded steel base (see drawing for dimensions).

CASTERS – 6 in. dia. steel swivel casters with brakes. Corner guards.

DRIVE PULLEY – 14 in. dia. with 1 in. dia. removable shaft. Crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings, crowned.

RETURN IDLER – 4 in. dia. spooled idler to provide clearance for cleats. Pre-lubricated ball bearings.

TAKE-UP – Take-ups provided at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on tail pulley. Re-lubricate roller bearings on drive pulley.

SPEED REDUCTION – Sealed worm gear speed reducer driven by v-belt. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 115/230V, 1 Ph., 60 Hz. Totally Enclosed. Wired for 115 volt.

ELECTRICAL CONTROLS – Reversing drum switch with 20 ft. power cord and plug.

BELT SPEED – Constant 65 FPM.

CAPACITY – 300 lbs. total distributed load, 150 lbs. unit load at 65 FPM.

Optional Equipment

RUBBER CASTERS – 4 in. dia. rubber swivel casters with brakes in place of steel casters.

FLOOR LOCKS – Two foot-operated toggle floor locks mounted on one side of conveyor base to prevent unit from moving when in operation.

GRAVITY CONVEYOR BRACKET – Adjustable bar for connecting wheel or roller gravity conveyor (discharge only).

LOWER GRAVITY FEEDER – 2 ft. long x 18 in. wide (1 1/2 SW-18-36) includes adjustable tubular support and gravity conveyor bracket.

UPPER GRAVITY FEEDER – 2 ft. long x 18 in. wide (3 SW-18-18) includes adjustable tubular support and gravity conveyor bracket.

LOW POWERED FEEDER – Chain type driven from drive pulley. 43 in. long belt feeder section includes adjustable tubular support and gravity conveyor bracket.

GUARD RAILS – Channel type, adjustable vertically (specify fixed horizontal width). Not foldable with guard rails.

TROUGHING ATTACHMENT – Flat steel supports under belt form trough for handling loose material. Hopper available. Not foldable with troughing attachment.

REMOTE SWITCH CONTROL – Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on right side (when standing at drive pulley and looking up toward tail pulley).

MOTOR – 2 HP 230/1/60.

BL

Portable Folding Booster Belt Conveyor

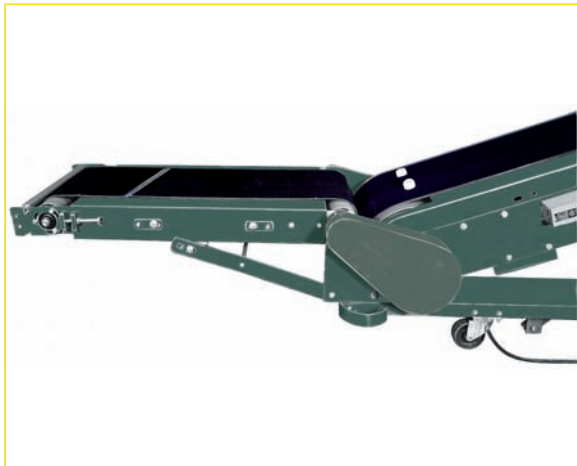
The longer model BL can be used to convey material from one floor to another or to a balcony area. Its long bed can also extend far into a truck, thereby minimizing the distance for loading or unloading the conveyor.

- Reversible
- Bed Section Folds
- 14 in. Wide High-Grip Belt
- Self-Powered Raising Device

TECHNICAL MANUAL

Size To Order	Overall Length "A"	Angle of Incline	"B"	"H"	"E"	"L"	Weights (lbs.)
20'	20' 9"	13°	68"	5' 7"	9' 9"	20' 4"	930
		25°		9' 9"	8' 3"	18' 11"	
		30°		11' 4"	7' 6"	17' 10"	
		45°		16' 0"	4' 1"	14' 7"	
22'	22' 9"	13°	92"	6' 1"	11' 9"	22' 4"	990
		25°		10' 7"	10' 2"	20' 9"	
		30°		12' 4"	9' 3"	19' 10"	
		45°		17' 6"	5' 6"	16' 1"	

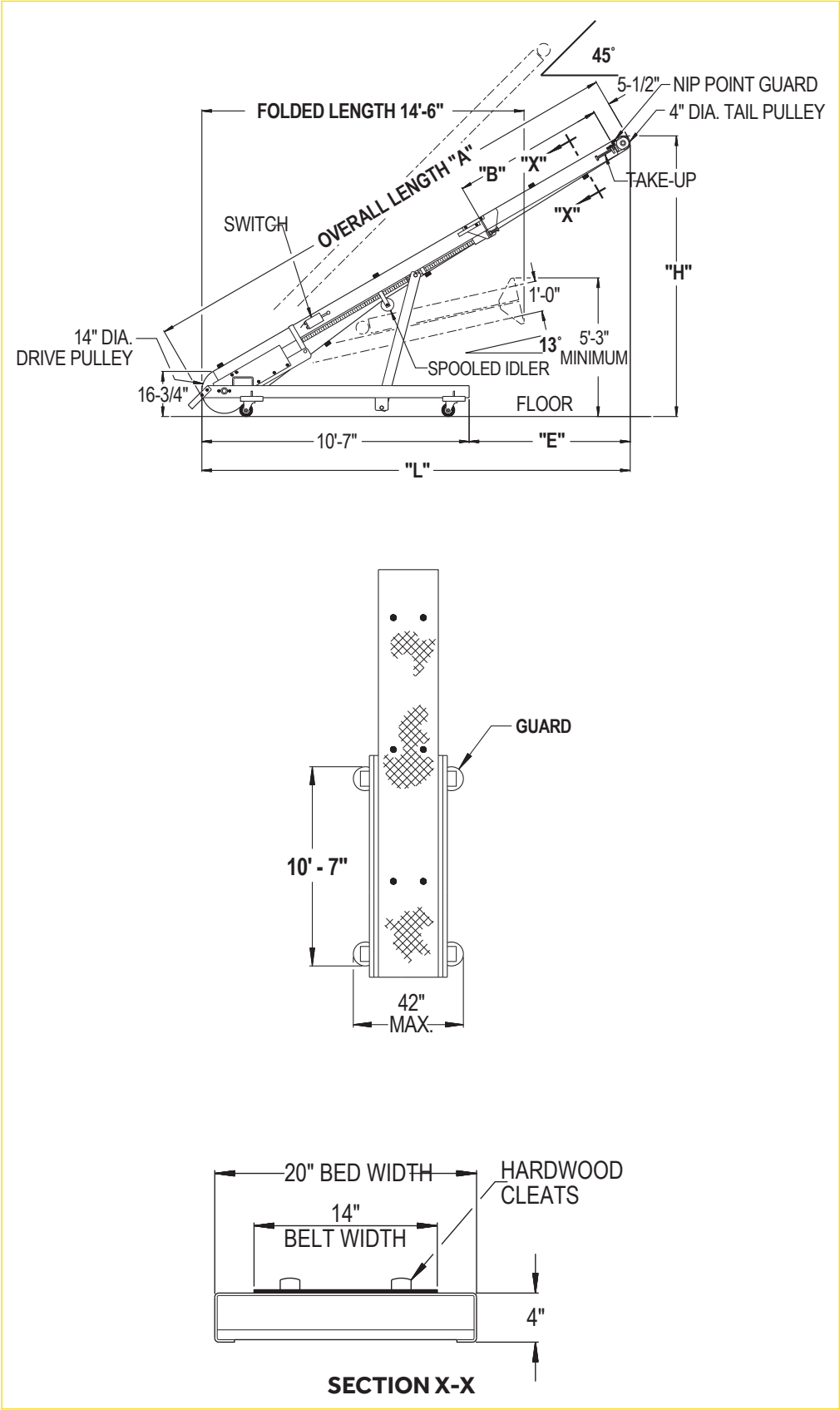
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Lower powered feeder



Troughing attachment with hopper



BL

Standard Specifications

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

CLEATS – Two 1 1/2 in. dia. x 1 in. high hardwood cleats, fastened to belt with 5/16 in. elevator bolts spaced every 60 in.

BED – 4 in. deep x 20 in. wide x 12 ga. powder-painted formed steel slider bed. Bed is hinged for storage purposes (see drawing).

HINGES – To fold bed to shorter length for storage. Screw adjustment ensures alignment of bed. Exclusive link (breathing feature) prevents damage of belt.

INCLINE – Adjustable from 13 degrees to 45 degrees with conveyor motor powered screw raising device. Safety nut prevents rapid release of bed in case of overloading.

BASE – Welded steel base (see drawing for dimensions).

CASTERS – 6 in. dia. steel swivel casters with brakes
Corner guards.

DRIVE PULLEY – 14 in. dia. with 1 in. dia. removable shaft. Crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

RETURN IDLER – 4 in. dia. spooled idler to provide clearance for cleats. Pre-lubricated ball bearings.

TAKE-UP – Take-ups provided at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on tail pulley. Re-lubricated roller bearings on drive pulley.

SPEED REDUCTION – Sealed worm gear speed reducer driven by v-belt. No. 50 roller chain to drive pulley.

MOTOR – 1 HP, 115/230V, 1 Ph. 60 Hz. Totally enclosed. Wired for 115 volt.

ELECTRICAL CONTROLS – Reversing drum switch with 20 ft. power cord and plug.

BELT SPEED – Constant 65 FPM.

CAPACITY – 300 lbs. total distributed load, 150 lbs. unit load at 65 FPM.

Optional Equipment

RUBBER CASTERS – 6 in. dia. rubber swivel casters with brakes in place of steel casters.

FLOOR LOCKS – Two foot-operated toggle floor locks mounted on one side of conveyor base to prevent unit from moving when in operation.

GRAVITY CONVEYOR BRACKET – Adjustable bar for connecting wheel or roller gravity conveyor (discharge only).

LOWER GRAVITY FEEDER – 2 ft. long x 18 in. wide (1 1/2 SW-18-36) includes adjustable tubular support and gravity conveyor bracket.

UPPER GRAVITY FEEDER – 2 ft. long x 18 in. wide (3 SW-18-18) includes adjustable tubular support and gravity conveyor bracket.

LOW POWERED FEEDER – Chain type driven from drive pulley. 43 in. long belt feeder section includes adjustable tubular support and gravity conveyor bracket.

GUARD RAILS – Channel type, adjustable vertically (specify fixed horizontal width). Not foldable with guard rails.

TROUGHING ATTACHMENT – Flat steel supports under belt form trough for handling loose material. Hopper available. Not foldable with troughing attachment.

REMOTE SWITCH CONTROL – Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on right side (when standing at drive pulley and looking up toward tail pulley).

MOTOR – 2 HP 230/1/60.

PCH

Piano Hinge Parts Conveyor

The model PCH parts conveyor with hinged steel belt is ideal for carrying hot, oily parts from punch presses, forging machines, etc., to drums, hoppers, or other operations. Configurations range from straight to Z type units.

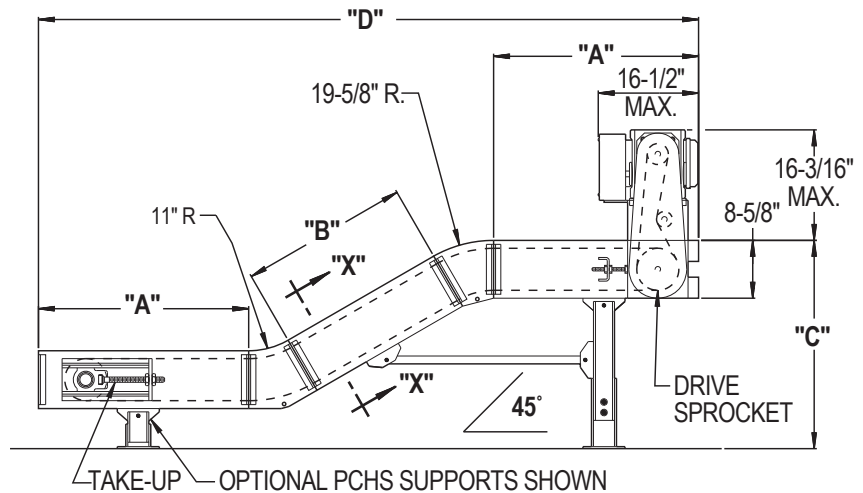
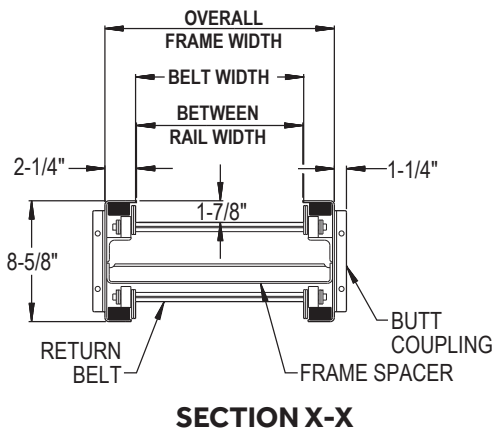
- 5 Belt Widths
- Piano Hinge Belt
- Heavy-Duty PCHS Type
- Adjustable Floor Supports Available



TECHNICAL MANUAL

Overall Frame Width	Between Rail Width	Belt Width	"A"	"B"	"C"		"D"		Weights (lbs.)	
					4'	6'	4'	6'	4'	6'
10 3/8"	5 7/8"	6"	24"	4' or 6'	58"	75"	103 5/8"	120 5/8"	658	754
			30"				115 5/8"	132 5/8"	711	807
			36"				127 5/8"	144 5/8"	755	851
12 3/8"	7 7/8"	8"	24"	4' or 6'	58"	75"	103 5/8"	120 5/8"	682	782
			30"				115 5/8"	132 5/8"	735	835
			36"				127 5/8"	144 5/8"	781	881
16 3/8"	11 7/8"	12"	24"	4' or 6'	58"	75"	103 5/8"	120 5/8"	735	84
			30"				115 5/8"	132 5/8"	802	911
			36"				127 5/8"	144 5/8"	843	952
22 3/8"	17 7/8"	18"	24"	4' or 6'	58"	75"	103 5/8"	120 5/8"	834	961
			30"				115 5/8"	132 5/8"	900	1027
			36"				127 5/8"	144 5/8"	957	1084
28 3/8"	23 7/8"	24"	24"	4' or 6'	58"	75"	103 5/8"	120 5/8"	972	1123
			30"				115 5/8"	132 5/8"	1050	1201
			36"				127 5/8"	144 5/8"	1116	1267

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



Standard Specifications

OVERHEAD END DRIVE – Located on discharge end of conveyor. Chain guard located on right hand side.

BELT – Piano Hinge metal belt with 12 ga. plain bottom aprons. 2 1/2 in. pitch chain with 1 1/2 in. dia. hardened rollers with 7/16 in. dia. hinge axle. 1 1/2 in. high x 10 ga. continuous off-set side wing links.

BED – 8 5/8 in. deep x 10 ga. powder-painted, formed steel channel. Modular bed sections bolt together with butt couplings. 45-degree standard incline section.

BELT GUIDES – Steel angle mounted inside bed for tracking belt.

DRIVE SPROCKET – 5 in. pitch dia. with 1 7/16 in. dia. shaft, 6 tooth.

TAKE-UP SPROCKET – 5 in. pitch dia. with 1 7/16 in. dia. shaft, 6 tooth.



Model PCH design makes it ideal for positioning into or under punch presses and similar equipment. Horizontal discharge section allows easy positioning of hopper or drum for parts collection.

TAKE-UP – Take-ups are provided to ensure proper belt tension.

BEARINGS – Sealed, re-lubricated bearings at drive and take-up.

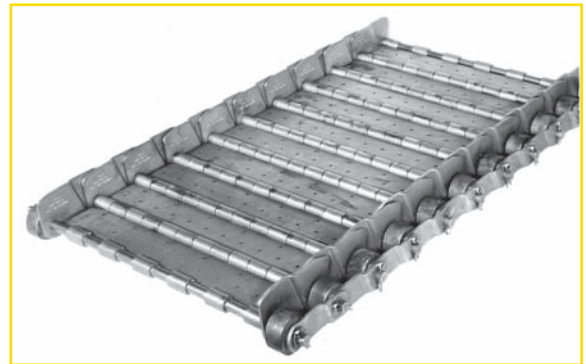
SPEED REDUCTION – Sealed worm gear speed reducer driven by v-belt. No. 60 roller chain to drive sprocket.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph., 60 Hz Premium Energy Efficient with torque limiter (not a warranty item).

BELT SPEED – Constant 30 FPM.

CAPACITY – 35 lbs. belt capacity per linear foot of conveyor.

FLOOR SUPPORTS – Supplied as optional equipment.



Metal Piano Hinge belt provides continuous reliable service. Construction is heavy-duty with perforated apron plates and solid steel, heat-treated rollers.

Optional Equipment

FLOOR SUPPORTS – PCHS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above PCHS-3 support.

BELT – Perforated, pimpled, or pimpled and perforated. 1 1/2 in. or 2 in. high cleats. Contact factory.

DRIP PANS – Mounted underneath conveyor frame for drainage.

COVER – Mounted on top of conveyor frame to keep parts from falling back when conveyor is used at steep incline.

INCLINE – 30, 45, and 60 degree angles. Horizontal available.

BED – 2 ft. through 10 ft. intermediate beds available.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Magnetic starters, push button stations, and AC variable frequency drive.

BELT SPEED – Other constant and variable speeds.

PCA

Light-Duty Portable Parts Conveyor

The model PCA conveyor is easily positioned in or under punch presses, plastic injection molding machines, extruding equipment, and other machinery where small steel or aluminum stampings, plastic parts, etc., must be quickly conveyed to hoppers or drums to keep production on the move.

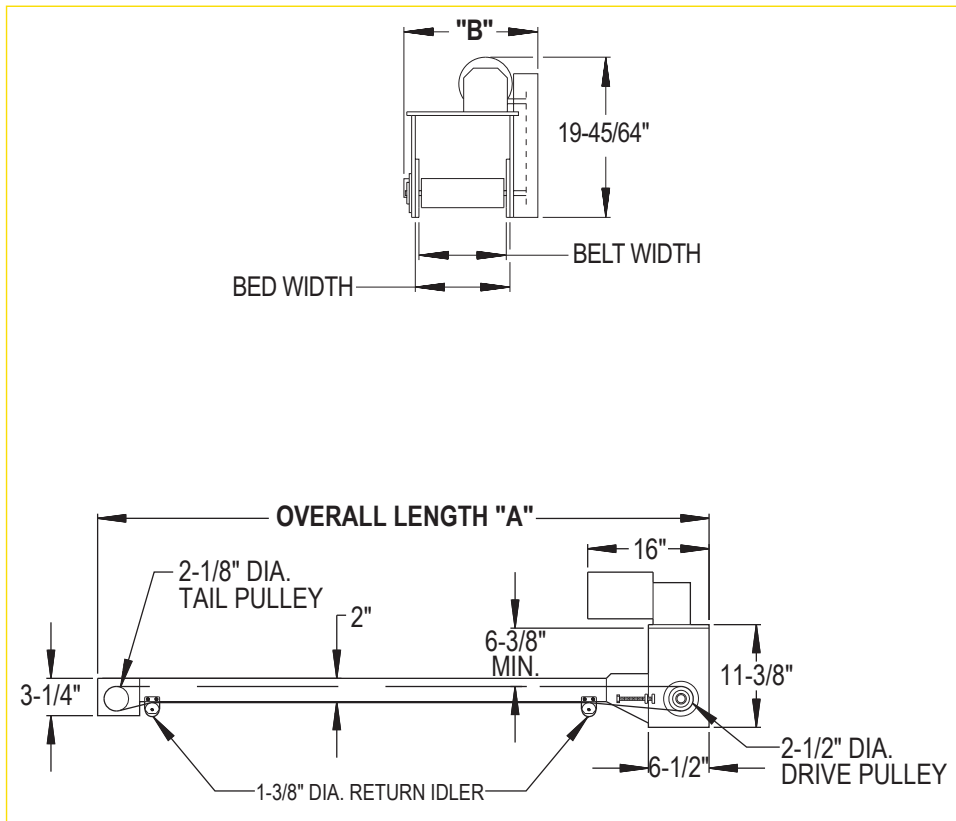
- 6 Belt Widths
- Reversible
- Overhead Drive
- One-Piece Troughed Bed
- Adjustable PCAS Type Floor Supports Available



TECHNICAL MANUAL

Size to Order Overall Length "A"	Belt Width Bed Width "B"	4"	6"	8"	10"	12"	18"
		4 1/2"	6 1/2"	8 1/2"	10 1/2"	12 1/2"	18 1/2"
		9 1/8"	11 1/8"	13 1/8"	15 1/8"	17 1/8"	23 1/8"
4'	Weights (lbs.)	96	107	116	125	134	162
5'		100	114	124	128	146	178
6'		106	121	133	145	158	196
8'		116	139	150	165	181	228
10'		126	146	166	186	205	262

All weights in catalog are conveyor weights only.
Accessories, crating, etc., are not included.



Standard Specifications

OVERHEAD END DRIVE – Located on discharge end of conveyor. Chain guard located on left hand side.

BELT – Black Ultimate 140 SD. Clipper lacing.

BED – 12 ga. steel formed troughed bed section with 1 in. high vertical sides.

DRIVE PULLEY – 2 1/2 in. dia. with 1 in. dia. shaft, crowned and fully lagged.

TAIL PULLEY – 2 1/8 in. dia. with 7/16 in. dia. threaded shaft. Pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1 3/8 in. dia. pre-lubricated ball bearings.

TAKE-UP – Screw take-ups are provided at drive pulley to ensure proper belt tension.

BEARINGS – Sealed, pre-lubricated ball bearings on drive pulley.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 40 roller chain to drive pulley.

MOTOR – 1/2 HP, 230/460V, 3 Ph. 60 Hz. Totally enclosed fan-cooled C-face.

BELT SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 10 lbs.

Optional Equipment

FLOOR SUPPORTS – PCAS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above PCAS-6 support.

BELT – White Polymate 100 RPM COS.

BELT SPEED – Other constant speeds 11 to 82 FPM, specify.

BED – Higher than 1 in. high vertical sides.

UNDERSIDE DRIVE – Gearhead motor mounted underneath bed section.

MOTOR – Energy efficient, single phase, other characteristics. 1/2 HP maximum.

ELECTRICAL CONTROLS – Manual one direction push button switch, one direction magnetic starters, push button stations, power cord.

BA

Portable Folding Booster Belt Conveyor

One lever control adjusts angle without effort. Desired angle automatically locked by powered screw.

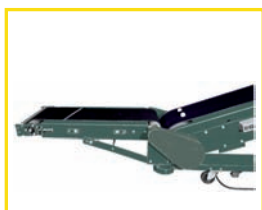
- 6 Lengths
- 14 in. Wide High-Grip Belt
- Reversible
- Bed Section Folds
- Adjustable Infeed Height



TECHNICAL MANUAL

Adjustment Chart for 10' to 16' Long Units													
Size To Order	Overall Length "A"	Base Length "B"	Angle Of Incline	"C" @ 14 1/2"			Angle of Incline	"C" @ 32"			"D"	"F"	Weight (lbs.)
				"H"	"E"	"L"		"H"	"E"	"L"			
10'	10' 7"	4' 7"	8° Min.	2' 5"	5' 0"	10' 5"	3°	2' 8"	5' 8"	10' 7"	44"	6' 6" Max.	560
			25°	5' 3"	4' 2"	9' 7"	25°	6' 11"	4' 8"	9' 7"			
			30°	6' 0"	3' 9"	9' 2"	30°	7' 8"	4' 3"	9' 2"			
			45° Max.	8' 0"	2' 2"	7' 7"	36°	-	-	-			
12'	12' 7"	5' 7"	8° Min.	2' 9"	6' 0"	12' 5"	3°	2' 8"	6' 8"	12' 7"	68"	6' 6" Max.	600
			25°	6' 1"	5' 0"	11' 5"	25°	7' 9"	5' 6"	11' 5"			
			30°	7' 0"	4' 6"	10' 11"	30°	8' 8"	5' 0"	10' 11"			
			45° Max.	9' 5"	2' 7"	9' 0"	36°	-	-	-			
14'	14' 7"	6' 7"	8° Min.	3' 0"	7' 0"	14' 5"	3°	2' 8"	7' 8"	14' 7"	80"	7' 6" Max.	650
			25°	7' 0"	5' 10"	13' 3"	25°	8' 7"	6' 4"	13' 3"			
			30°	8' 0"	5' 3"	12' 8"	30°	9' 8"	5' 9"	12' 8"			
			45° Max.	10' 10"	3' 0"	10' 5"	36°	-	-	-			
16'	16' 7"	7' 7"	8° Min.	3' 4"	8' 0"	16' 5"	3°	2' 8"	8' 8"	16' 7"	92"	8' 6" Max.	700
			25°	7' 10"	6' 8"	15' 1"	25°	9' 5"	7' 2"	15' 1"			
			30°	9' 0"	6' 0"	14" 5"	30°	10' 8"	6' 6"	14' 5"			
			45° Max.	12' 3"	3' 5"	11' 10"	36°	-	-	-			
Adjustment Chart for 18' Long Units													
Size To Order	Overall Length "A"	Base Length "B"	Angle Of Incline	"C" @ 14 1/2"			Angle of Incline	"C" @ 32"			"D"	"F"	Weight (lbs.)
				"H"	"E"	"L"		"H"	"E"	"L"			
18'	18' 7"	9' 6"	30°	10' 0"	6' 10"	16' 2"	30°	11' 11"	6' 6"	16' 1"	44"	14' 7"	890
Adjustment for 20' to 22' Long Units													
Size To Order	Overall Length "A"	Base Length "B"	Angle Of Incline	"C" @ 14 1/2"			Angle of Incline	"C" @ 36"			"D"	"F"	Weight (lbs.)
				"H"	"E"	"L"		"H"	"E"	"L"			
20'	20' 7"	9' 6"	10° Min.	4' 7"	10' 0"	20' 3"	3°	3' 0"	11' 0"	20' 7"	68"	14' 7" Max.	940
			25°	9' 6"	8' 5"	18' 8"	25°	11' 5"	9' 0"	18' 7"			
			30°	11' 0"	7' 8"	17' 11"	30°	12' 11"	8' 3"	17' 10"			
			45° Max.	15' 1"	4' 5"	14' 8"	36°	-	-	-			
22'	22' 7"	9' 6"	10° Min.	4' 11"	12' 0"	22' 3"	3°	3' 0"	13' 0"	22' 7"	92"	14' 7" Max.	990
			25°	10' 4"	10' 3"	20' 6"	25°	12' 3"	10' 10"	20' 5"			
			30°	12' 0"	9' 4"	19' 7"	30°	13' 11"	10' 0"	19' 7"			
			45° Max.	16' 6"	5' 10"	16' 1"	36°	-	-	-			

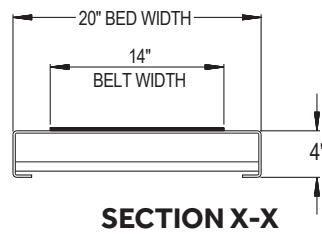
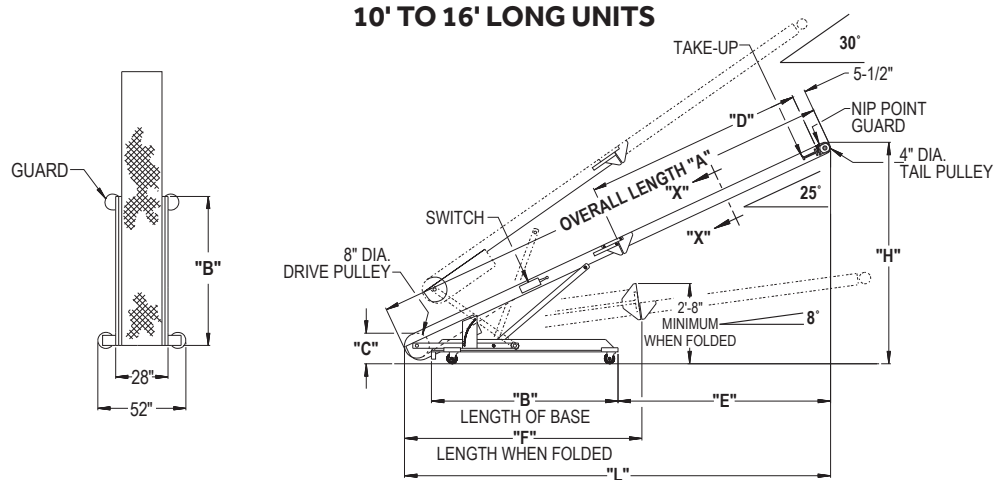
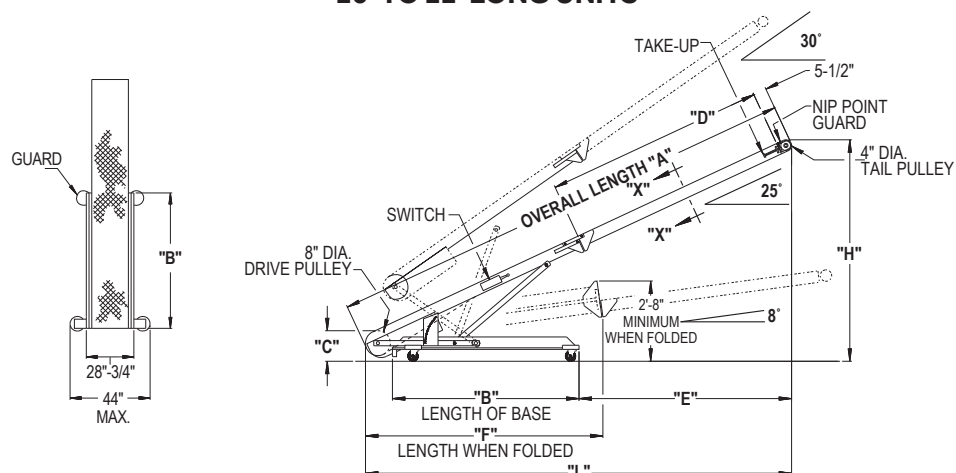
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included



Lower powered feeder



Hinged bed folds for easy storage.

**10' TO 16' LONG UNITS****20' TO 22' LONG UNITS**

BA

Standard Specifications

BELT – High-Grip Longitudinal Grooved. Clipper lacing.

BED – 4 in. deep x 20 in. wide x 12 ga. formed steel slider bed, powder-painted. Bed is hinged for storage purposes (see drawing).

HINGES – To fold bed to shorter length for storage. Screw adjustment ensures alignment of bed. Exclusive link (breathing feature) prevents damage of belt.

INCLINE – Adjustable with conveyor motor powered screw raising device (see chart for angles). Safety nut prevents rapid release of bed in case of overloading.

INFEED HEIGHT – Adjustable with variable position support.

BASE – Welded steel base (see drawing for dimensions).

CASTERS – 6 in. dia. steel swivel casters with 2 brakes. Corner guards.

DRIVE PULLEY – 8 in. dia. with 1 in. dia. removable shaft. Machine crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/2 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups provided at tail pulley. Provides 4 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning, cast-iron ball bearings on tail pulley. Re-lubricated roller bearings on drive pulley.

SPEED REDUCTION – Sealed worm gear speed reducer driven by v-belt. No. 50 roller chain to drive pulley.

MOTOR – 1 HP (10 ft. to 22 ft.), 115/230V, 1 Ph. 60 Hz. Totally Enclosed. Wired for 115 volt.

ELECTRICAL CONTROLS – Reversing drum switch with 20 ft. power cord and plug.

BELT SPEED – Constant 65 FPM.

CAPACITY – 300 lbs. total distributed load, 150 lbs. unit load at 65 FPM.

Optional Equipment

RUBBER CASTERS – 6 in. dia. rubber swivel casters with brakes in place of steel casters.

FLOOR LOCKS – Two foot-operated toggle floor locks mounted on one side of conveyor base to prevent unit from moving when in operation.

GRAVITY CONVEYOR BRACKET – Adjustable bar for connecting wheel or roller gravity conveyor.

LOWER GRAVITY FEEDER – 2 ft. long x 18 in. wide (1 1/2 SW-18-36) includes adjustable tubular support and gravity conveyor bracket.

UPPER GRAVITY FEEDER – 2 ft. long x 18 in. wide (3 SW-18-18) includes adjustable tubular support and gravity conveyor bracket.

LOW POWERED FEEDER – Chain type driven from drive pulley. 43 in. long belt feeder section includes adjustable tubular support and gravity conveyor bracket.

GUARD RAILS – Channel type, adjustable vertically (specify fixed horizontal width). Not foldable with guard rails.

TROUGHING ATTACHMENT – Flat steel supports under belt form trough for handling loose material. Hopper available. Not foldable with troughing attachment.

REMOTE SWITCH CONTROL – Rod running length of conveyor to operate reverse drum switch from both ends. Switch regularly furnished on right side (when standing at drive pulley and looking up toward tail pulley).

MOTOR – 2 HP 230/1/60.

SWC/AWC

Skatewheel Curve Conveyor

Skatewheel curves add to the versatility of straight conveyors and provide excellent package orientation because of the differential action of wheels. Curves will convey product with minimum amount of pitch based on weight and size.

- 4 Widths
- Powder-Painted Steel or Aluminum Frames
- Butt Coupling on Both Ends
- 30, 45, 60, and 90 Degree Curves



Steel Frames

12" Overall Width (48" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
SWC-12-90	90°	63	40
SWC-12-60	60°	42	30
SWC-12-45	45°	30	21
SWC-12-30	30°	30	14

15" Overall Width (48" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
SWC-15-90	90°	84	46
SWC-15-60	60°	56	35
SWC-15-45	45°	40	23
SWC-15-30	30°	40	16

18" Overall Width (48" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
SWC-18-90	90°	94	49
SWC-18-60	60°	63	37
SWC-18-45	45°	45	25
SWC-18-30	30°	45	18

24" Overall Width (60" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
SWC-24-90	90°	156	72
SWC-24-60	60°	102	54
SWC-24-45	45°	78	37
SWC-24-30	30°	60	23

Aluminum Frames

12" Overall Width (48" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
AWC-12-90	90°	63	22
AWC-12-60	60°	42	17
AWC-12-45	45°	30	12
AWC-12-30	30°	30	8

15" Overall Width (48" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
AWC-15-90	90°	84	26
AWC-15-60	60°	56	20
AWC-15-45	45°	40	14
AWC-15-30	30°	40	9

18" Overall Width (48" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
AWC-18-90	90°	94	28
AWC-18-60	60°	63	21
AWC-18-45	45°	45	15
AWC-18-30	30°	45	10

24" Overall Width (60" Outside Radius)			
Model No.	Degree	WPC	Wgts. (lbs.)
AWC-24-90	90°	156	43
AWC-24-60	60°	102	33
AWC-24-45	45°	78	23
AWC-24-30	30°	60	14

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

SWC/AWC

Standard Specifications

WIDTHS – 12 in., 15 in., 18 in., and 24 in. overall.

FRAME – 2 1/2 in. deep x 1 in. flange x 12 ga. powder-painted formed steel or 1/8 in. heat-treated aluminum channel with bolt-in cross members.

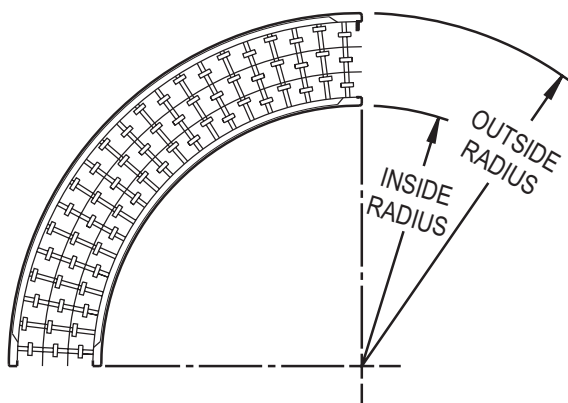
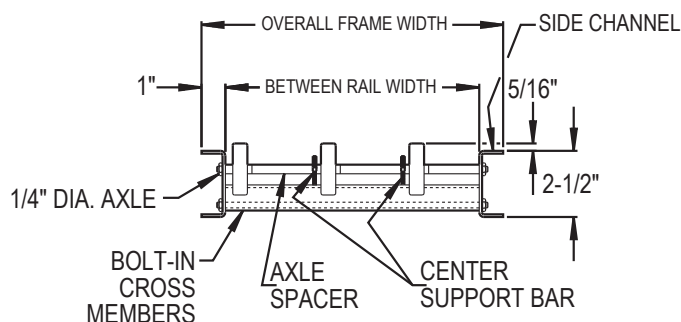
COUPLINGS – Butt couplings on both ends.

CURVES – Curves have a 48 in. outside radius on 12 in., 15 in., and 18 in. widths and a 60 in. outside radius on 24 in. width.

WHEELS – 1 15/16 in. O.D. ball bearings run in hardened raceway with life-time lubrication. Corrosion resistant aluminum or zinc-coated steel.

AXLES – 1/4 in. dia., threaded one end with locknut.

CAPACITY – Same per foot capacity as straight sections. See charts on previous page.



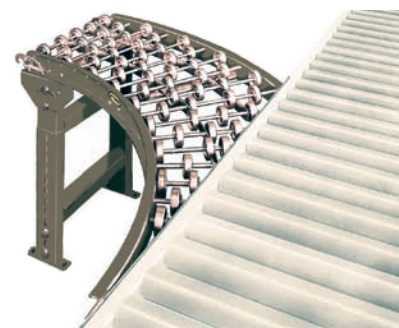
Overall Width	Inside Radius
12"	36"
15"	33"
18"	30"
24"	36"

SWS/AWS

Skatewheel Spur Conveyor

Gravity Skatewheel Spurs are used to transfer products from one conveying line onto another. They can be used in merging or diverging applications. Ideally used where numerous lines must transfer onto a main conveyor line from work stations or other similar operations.

- 4 Widths
- Powder-Painted Steel or Aluminum Frames
- Right- and Left-Hand Units
- Butt Couplings on One End
- 30-, 45-, and 90-Degree Spurs



Steel Frames

Overall Frame Width	Model No.	30° Spur		
		"A"	WPS	Wgts. (lbs.)
12"	SWS-12-30	24 3/8"	51	39
15"	SWS-15-30	30 3/8"	67	43
18"	SWS-18-30	36 3/8"	71	47
24"	SWS-24-30	48 3/8"	83	57

Aluminum Frames

Overall Frame Width	Model No.	30° Spur		
		"A"	WPS	Wgts. (lbs.)
12"	AWS-12-30	24 3/8"	51	26
15"	AWS-15-30	30 3/8"	67	29
18"	AWS-18-30	36 3/8"	71	32
24"	AWS-24-30	48 3/8"	83	38

Overall Frame Width	Model No.	45° Spur		
		"A"	WPS	Wgts. (lbs.)
12"	SWS-12-45	21"	54	39
15"	SWS-15-45	30"	70	43
18"	SWS-18-45	30"	77	47
24"	SWS-24-45	39"	97	57

Overall Frame Width	Model No.	45° Spur		
		"A"	WPS	Wgts. (lbs.)
12"	AWS-12-45	21"	54	26
15"	AWS-15-45	30"	70	29
18"	AWS-18-45	30"	77	32
24"	AWS-24-45	39"	97	38

Overall Frame Width	Model No.	90° Spur				
		"A"	"B"	"R"	WPS	Wgts. (lbs.)
12"	SWS-12-90	30"	39 1/8"	36"	46	67
15"	SWS-15-90	39"	35 5/8"	33"	56	72
18"	SWS-18-90	39"	32 11/16"	30"	60	77
24"	SWS-24-90	51"	39 1/2"	36"	94	107

Overall Frame Width	Model No.	90° Spur				
		"A"	"B"	"R"	WPS	Wgts. (lbs.)
12"	AWS-12-90	30"	39 1/8"	36"	46	45
15"	AWS-15-90	39"	35 5/8"	33"	56	47
18"	AWS-18-90	39"	32 11/16"	30"	60	51
24"	AWS-24-90	51"	39 1/2"	36"	94	71

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

SWS/AWS

Standard Specifications

WIDTHS – 12 in., 15 in., 18 in., and 24 in.

FRAME – 2 1/2 in. deep x 1 in. flange x 12 ga. powder-painted formed steel or 1/8 in. heat-treated aluminum channel with bolt-in cross members.

COUPLINGS – Butt couplings on one end. Spur angle on opposite end. Mounting bracket available, specify.

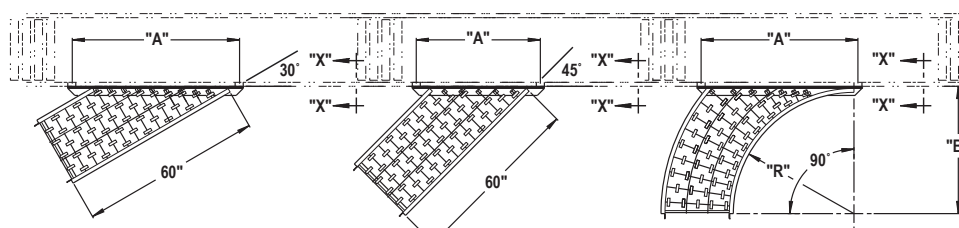
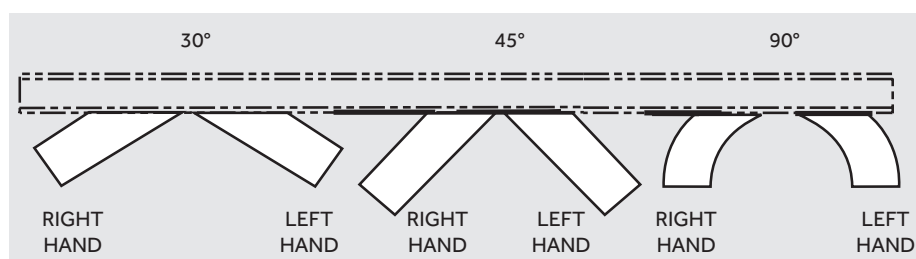
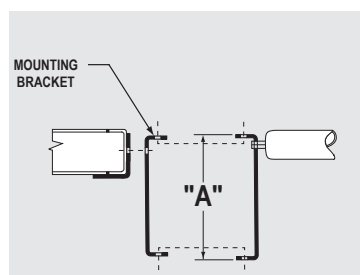
SPUR ANGLE – 30, 45, and 90 degree. Right- or left-hand applications, specify.

WHEELS – 1 15/16 in. O.D. ball bearings run in hardened raceway with lifetime lubrication. Corrosion-resistant zinc-coated steel.

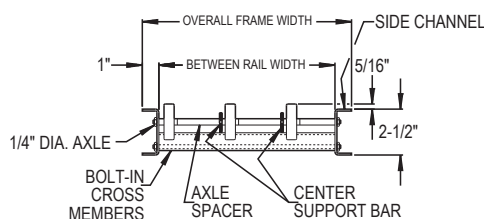
AXLES – 1/4 in. dia., threaded one end with locknut.

CAPACITY – Same per foot capacity as straight sections. See Gravity Skatewheel Conveyor.

For Conveyor Channel Size "A"	Order By Mounting Bracket No.	Drawing Number
2 1/2" x 12 Ga.	K-1	G-571-1
3 1/2" x 10 Ga.	K-2	G-571-2
6 1/2" x 12 Ga.	K-4	G-571-4



SECTION "X-X"

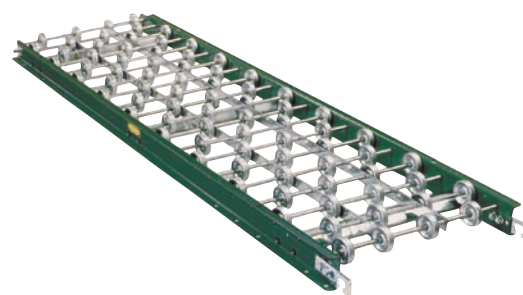


3SW/3AW

Skatewheel Conveyor

Gravity Skatewheel conveyor is ideally used to convey lightweight packages or when operation requires lightweight sections. Useful in setting up temporary conveyor lines in warehousing activities, shipping departments, assembly areas, etc.

- 4 Widths
- Powder-Painted Steel or Aluminum Frames
- Axles on 3 in. or 4 in. Centers



Steel Frames

12" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3SW-12-16	16	43	80
3SW-12-12	12	38	72
3SW-12-10	10	37	68

Aluminum Frames

12" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3AW-12-16	16	23	43
3AW-12-12	12	21	39
3AW-12-10	10	20	36

15" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3SW-15-16	16	48	87
3SW-15-12	12	43	78
3SW-15-10	10	40	73

15" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3AW-15-16	16	26	41
3AW-15-12	12	23	42
3AW-15-10	10	22	39

18" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3SW-18-20	20	54	98
3SW-18-18	18	49	92
3SW-18-16	16	46	87

18" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3AW-18-20	20	28	52
3AW-18-18	18	27	49
3AW-18-16	16	25	46

24" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3SW-24-28	28	65	118
3SW-24-24	24	62	112
3SW-24-20	20	57	103

24" Overall Width 3" Axle Centers

Model No.	WPF	Wgts. (lbs.)	
		5'	10'
3AW-24-28	28	34	63
3AW-24-24	24	32	59
3AW-24-20	20	30	55

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

3SW/3AW

Standard Specifications

WIDTH – 12 in., 15 in., 18 in., and 24 in. overall.

FRAME – 2 1/2 in. deep x 1 in. flange x 12 ga. powder-painted formed steel or 1/8 in. heat-treated aluminum channel with bolt-in cross members.

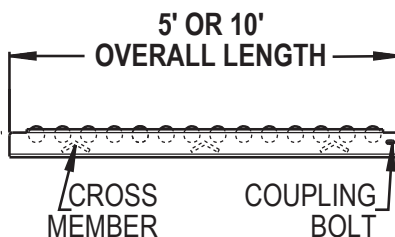
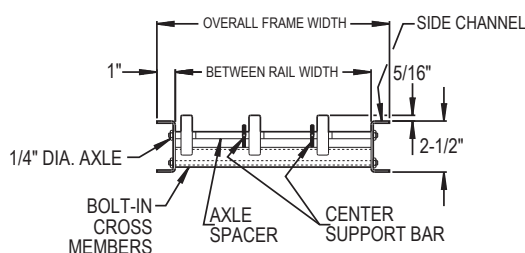
COUPLINGS – Butt couplings on both ends.

LENGTH – 5 ft. and 10 ft. straight sections.

WHEELS – 1 15/16 in. O.D. ball bearings run in hardened raceway with lifetime lubrication. Corrosion-resistant aluminum or zinc-coated steel.

AXLES – 1/4 in. dia., threaded one end with locknut. Spaced on 3 in. or 4 in. centers, specify.

CAPACITY – See Load Capacity Chart this page.



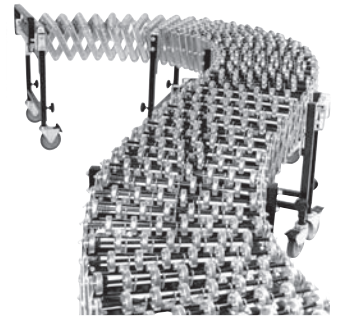
Load Capacity Chart			
Frame Material	Support Centers	Frame Capacity (lbs.)	Wheel Capacity (lbs.)
		Maximum Distributed Live Load Per Foot	Maximum Load Per Wheel
Steel	5'	250	65
	10'	31	
Aluminum	5'	83	45
	10'	10	

FX200/226

Heavy-Duty Skatewheel Conveyor

A proven performer for trailer loading and unloading. Ideally suited for packaging, shipping, and flexible assembly lines. Order optional leg connect brackets to lock units together.

- Structural Steel Support
- 1 1/4 in. Aluminum Side Plates



Model Number	Width	Compacted to Expanded	Conveyor Height	Leg Sets Per Unit	Wheels Per Axle	Unit Weight
FX200-18-12-ST-5	18 in.	3 ft. to 12 ft.	28 1/2" to 41 1/2"	4	7	215 lbs.
FX200-18-24-ST-5	18 in.	6 ft. to 24 ft.	28 1/2" to 41 1/2"	7	7	429 lbs.
FX200-24-12-ST-5	24 in.	3 ft. to 12 ft.	28 1/2" to 41 1/2"	4	9	252 lbs.
FX200-24-24-ST-5	24 in.	6 ft. to 24 ft.	28 1/2" to 41 1/2"	7	9	504 lbs.

FX200/226

Standard Specifications

WIDTHS – 18 in. and 24 in.

FRAME – Flexible and extendible.

LENGTH – 12 ft. and 24 ft.

EXPANSION RATIO – 4:1.

FLOOR SUPPORTS – Adjustable type 28 1/2 in. to 41 1/2 in.

WHEELS – 1.9 in. dia. with 1/4 in. bore.

PACKAGE STOP – Folds down when not in use.

CASTERS – Swivel casters with locking brake.

CAPACITY – 200 lbs. capacity per linear foot.

Optional Equipment

LEG CONNECT BRACKETS – Connecting two or more conveyors.



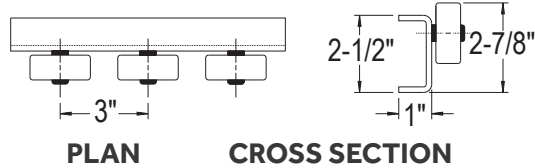
Leg Connect Brackets

CONVEYOR RAILS

Skatewheel Rails

Wheel Conveyor Rails are made up of standard skatewheels mounted to various angle-channel configurations. They provide a means of economical mobile storage systems. Can be mounted on floor level or in storage flow racks. Rails are 12 ga. powder-painted steel.

TYPE NO. 1

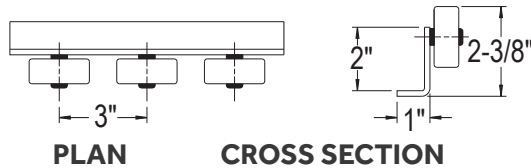
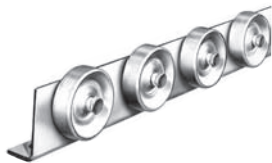


Rail Weight Per Ft. – 2.5 lbs.

Support Centers							
3'	4'	5'	6'	7'	8'	10'	
Maximum Load Per Foot (lbs.)							
260*	260*	146	83	51	35	18	

*Wheel Capacity-65 lbs. each

TYPE NO. 2

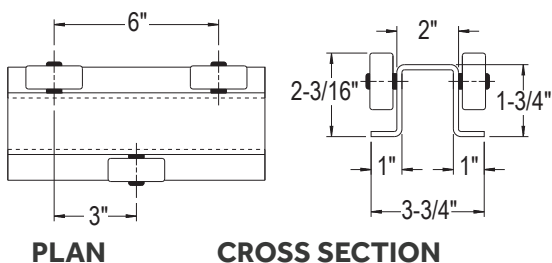
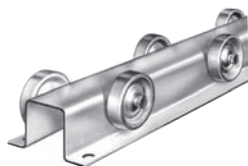


Rail Weight Per Ft.–2.1 LBS.

Support Centers							
3'	4'	5'	6'	7'	8'	10'	
Maximum Load Per Foot (lbs.)							
223	92	50	28	17	12	6	

CONVEYOR RAILS

TYPE NO. 3

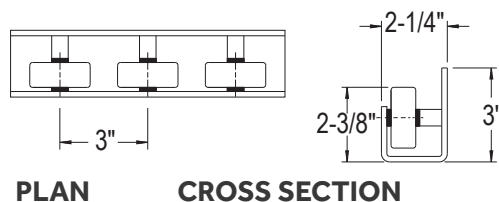


Rail Weight Per Ft. – 3.5 lbs.

Support Centers							
3'	4'	5'	6'	7'	8'	10'	
Maximum Load Per Foot (lbs.)							
260*	233	125	71	44	38	15	

*Wheel Capacity - 65 lbs. each

TYPE NO. 4

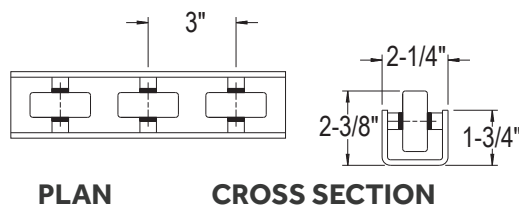


Rail Weight Per Ft. – 3.5 lbs.

Support Centers							
3'	4'	5'	6'	7'	8'	10'	
Maximum Load Per Foot (lbs.)							
260*	260*	198	112	69	49	24	

*Wheel Capacity - 65 lbs. each

TYPE NO. 5



Rail Weight Per Ft. – 3.0 lbs.

Support Centers							
3'	4'	5'	6'	7'	8'	10'	
Maximum Load Per Foot (lbs.)							
260*	210	113	64	40	27	14	

*Wheel Capacity - 65 lbs. each

36-SR

Heavy-Duty Gravity Roller Conveyor

The model 36-SR is designed and constructed to convey heavy loads such as pallets, castings, etc. in steel industries and other manufacturing operations which require heavy-duty conveying equipment. Rollers may be set high or low in conveyor frame depending on applications.

Between Rail Width	Model No.	Roller Centers (Inches)	Weights (lbs.)	
			10' Set High or Set Low	5' Set High or Set Low
7"	36SR-7-4	4"	453	228
	36SR-7-6	6"	351	177
	36SR-7-8	8"	300	152
	36SR-7-12	12"	249	126
11"	36SR-11-4	4"	596	300
	36SR-11-6	6"	449	226
	36SR-11-8	8"	375	189
	36SR-11-12	12"	302	153
15"	36SR-15-4	4"	740	372
	36SR-15-6	6"	548	276
	36SR-15-8	8"	451	227
	36SR-15-12	12"	355	179
19"	36SR-19-4	4"	884	446
	36SR-19-6	6"	646	325
	36SR-19-8	8"	527	265
	36SR-19-12	12"	408	206
23"	36SR-23-4	4"	1027	515
	36SR-23-6	6"	744	375
	36SR-23-8	8"	602	303
	36SR-23-12	12"	461	232
27"	36SR-27-4	4"	1170	587
	36SR-27-6	6"	842	423
	36SR-27-8	8"	678	341
	36SR-27-12	12"	514	259
31"	36SR-31-4	4"	1314	659
	36SR-31-6	6"	941	472
	36SR-31-8	8"	754	379
	36SR-31-12	12"	567	285
35"	36SR-35-4	4"	1457	728
	36SR-35-6	6"	1038	521
	36SR-35-8	8"	829	416
	36SR-35-12	12"	619	311
39"	36SR-39-4	4"	1600	802
	36SR-39-6	6"	1136	570
	36SR-39-8	8"	904	454
	36SR-39-12	12"	672	338
43"	36SR-43-4	4"	1744	874
	36SR-43-6	6"	1235	619
	36SR-43-8	8"	980	492
	36SR-43-12	12"	726	365
47"	36SR-47-4	4"	1888	946
	36SR-47-6	6"	1333	668
	36SR-47-8	8"	1056	530
	36SR-47-12	12"	779	391
51"	36SR-51-4	4"	2030	1017
	36SR-51-6	6"	1431	719
	36SR-51-8	8"	1131	567
	36SR-51-12	12"	831	417

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

36-SR

Standard Specifications

WIDTHS – Between rail width: 7 in., 11 in., 15 in., 19 in., 23 in., 27 in., 31 in., 35 in., 39 in., 43 in., 47 in., and 51 in.

FRAME – Rollers set high or set low 5 in. x 6.7 lbs. structural channel. Rollers set low 5 in. x 6.7 lbs. structural channel, powder-painted steel with welded cross members.

COUPLINGS – Butt type for bolting sections together.

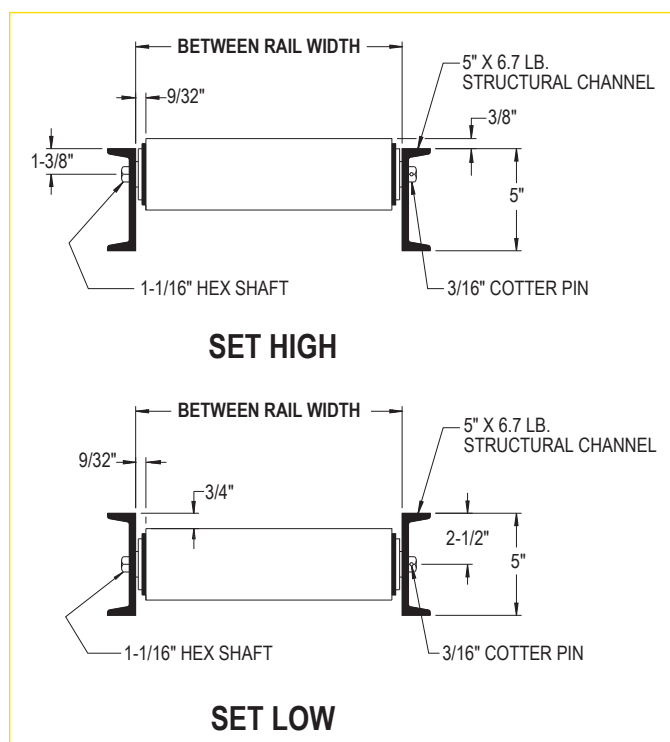
LENGTH – 10 ft. and 5 ft. straight sections.

ROLLERS – 3 1/2 in. x .300 unplated rollers. Bearings with steel inner-shield seals are grease packed.

AXLES – 1 1/16 in. hex shaft with 3/16 in. cotter pin.

CAPACITY – See Load Capacity Chart this page.

Load Capacity Chart		
Support Centers	Frame Capacity (lbs.)	Roller Capacity (lbs.)
	Maximum Distributed Live Load Per Foot	Maximum Load Per Roller
	Rollers Set High or Low	
5'	2500	1040
10'	600	



Optional Equipment

BEARINGS – Can be supplied with Teflon seals; regreasable.

HEAVY-DUTY BEARINGS – 2500 lbs. capacity.

19GSR/199SR

Medium-Duty Gravity Roller Conveyor

Gravity Roller Conveyor with either 1.9 in. dia. x 16 ga. rollers or 1.9 in. dia. x 9 ga. rollers.

Over All Width	Between Rail Width	Model No. 1.9" x 16 Ga. (Galvanized)	Roller Centers	Weight (lbs.)		Model No. 1.9" x 9 Ga. (Unplated)	Roller Centers	Weight (lbs.)	
				5'	10'			5'	10'
16"	13"	19GSR-13-2 1/4	2 1/4"	97	193	199SR-13-2 1/4	2 1/4"	122	239
		19GSR-13-3	3"	83	159	199SR-13-3	3"	113	220
		19GSR-13-4 1/2	4 1/2"	67	129	199SR-13-4 1/2	4 1/2"	87	170
		19GSR-13-6	6"	60	113	199SR-13-6	6"	75	143
18"	15"	19GSR-15-2 1/4	2 1/4"	105	210	199SR-15-2 1/4	2 1/4"	137	267
		19GSR-15-3	3"	89	170	199SR-15-3	3"	126	244
		19GSR-15-4 1/2	4 1/2"	71	137	199SR-15-4 1/2	4 1/2"	95	187
		19GSR-15-6	6"	64	120	199SR-15-6	6"	82	158
20"	17"	19GSR-17-2 1/4	2 1/4"	113	226	199SR-17-2 1/4	2 1/4"	152	295
		19GSR-17-3	3"	97	184	199SR-17-3	3"	139	267
		19GSR-17-4 1/2	4 1/2"	77	147	199SR-17-4 1/2	4 1/2"	104	203
		19GSR-17-6	6"	68	127	199SR-17-6	6"	89	169
22"	19"	19GSR-19-2 1/4	2 1/4"	121	242	199SR-19-2 1/4	2 1/4"	166	324
		19GSR-19-3	3"	108	207	199SR-19-3	3"	151	292
		19GSR-19-4 1/2	4 1/2"	85	163	199SR-19-4 1/2	4 1/2"	122	220
		19GSR-19-6	6"	75	139	199SR-19-6	6"	96	182
24"	21"	19GSR-21-2 1/4	2 1/4"	129	258	199SR-21-2 1/4	2 1/4"	178	350
		19GSR-21-3	3"	111	211	199SR-21-3	3"	161	313
		19GSR-21-4 1/2	4 1/2"	87	168	199SR-21-4 1/2	4 1/2"	119	235
		19GSR-21-6	6"	77	141	199SR-21-6	6"	101	193
26"	23"	19GSR-23-2 1/4	2 1/4"	137	274	199SR-23-2 1/4	2 1/4"	194	381
		19GSR-23-3	3"	118	229	199SR-23-3	3"	175	340
		19GSR-23-4 1/2	4 1/2"	93	179	199SR-23-4 1/2	4 1/2"	129	254
		19GSR-23-6	6"	81	152	199SR-23-6	6"	109	207
28"	25"	19GSR-25-2 1/4	2 1/4"	145	290	199SR-25-2 1/4	2 1/4"	208	409
		19GSR-25-3	3"	126	241	199SR-25-3	3"	167	363
		19GSR-25-4 1/2	4 1/2"	97	187	199SR-25-4 1/2	4 1/2"	137	270
		19GSR-25-6	6"	85	158	199SR-25-6	6"	116	219
30"	27"	19GSR-25-9	9"	73	129	199SR-25-9	9"	94	169
		19GSR-25-12	12"	64	117	199SR-25-12	12"	80	148
		19GSR-27-2 1/4	2 1/4"	153	307	199SR-27-2 1/4	2 1/4"	224	438
		19GSR-27-3	3"	133	255	199SR-27-3	3"	200	387
34"	31"	19GSR-27-4 1/2	4 1/2"	102	196	199SR-27-4 1/2	4 1/2"	146	287
		19GSR-27-6	6"	89	166	199SR-27-6	6"	122	232
		19GSR-31-2 1/4	2 1/4"	169	340	199SR-31-2 1/4	2 1/4"	252	493
		19GSR-31-3	3"	146	278	199SR-31-3	3"	224	433
36"	33"	19GSR-31-4 1/2	4 1/2"	112	214	199SR-31-4 1/2	4 1/2"	162	319
		19GSR-31-6	6"	97	179	199SR-31-6	6"	135	257
		19GSR-33-2 1/4	2 1/4"	177	356	199SR-33-2 1/4	2 1/4"	267	524
		19GSR-33-3	3"	154	292	199SR-33-3	3"	237	460
40"	37"	19GSR-33-4 1/2	4 1/2"	117	224	199SR-33-4 1/2	4 1/2"	171	337
		19GSR-33-6	6"	101	187	199SR-33-6	6"	143	271
		19GSR-37-2 1/4	2 1/4"	193	389	199SR-37-2 1/4	2 1/4"	295	579
		19GSR-37-3	3"	164	311	199SR-37-3	3"	261	506
42"	39"	19GSR-37-4 1/2	4 1/2"	124	238	199SR-37-4 1/2	4 1/2"	188	369
		19GSR-37-6	6"	108	198	199SR-37-6	6"	156	296
		19GSR-39-2 1/4	2 1/4"	201	405	199SR-39-2 1/4	2 1/4"	308	606
		19GSR-39-3	3"	173	328	199SR-39-3	3"	272	528
		19GSR-39-4 1/2	4 1/2"	130	250	199SR-39-4 1/2	4 1/2"	195	384
		19GSR-39-6	6"	112	207	199SR-39-6	6"	162	307

19GSR/199SR

Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., and 39 in.

FRAME – 3 1/2 in. or 4 1/2 in. deep x 1 1/2 in. flange x 10 ga. powder-painted formed steel channel with bolt-in cross members.

BUTT COUPLINGS – Bolt-on type for bolting sections together.

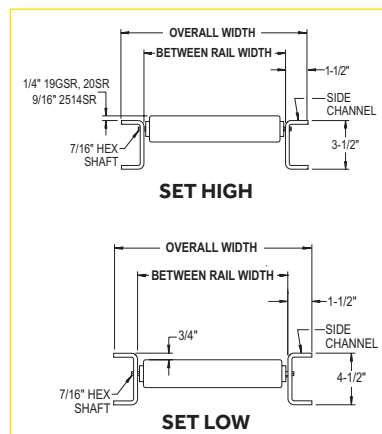
LENGTH – 5 ft. and 10 ft. straight sections.

ROLLERS – 19-GSR 1.9 in. dia. x 16 ga. galvanized steel tubing; 199-SR 1.9 in. dia. x 9 ga. unplated steel tubing. Bearings are labyrinth sealed and grease packed.

AXLES – 7/16 in. hex shaft, spring loaded.

CAPACITY – See Load Capacity Chart on this page.

Load Capacity Chart			
Support Centers	Frame Capacity (lbs.) Maximum Distributed Live Load Per Foot	Roller Capacity (lbs.) Maximum Load Per Roller	
		19GSR	199SR
5'	620		
10'	118	210	250



SSR/SAR

Light-Duty Gravity Roller Conveyor

1 3/8 in. dia. Gravity Roller Conveyor is used to carry lightweight packages or when operation requires lightweight sections. Useful in setting up permanent or temporary conveyor lines in warehousing activities, shipping departments, assembly areas, etc. Majority of products will convey with minimum amount of pitch.

- 4 Widths
- 6 Roller Centers
- Powder-Painted Steel or Aluminum Frames



Steel Frames

12" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SSR-12-1 1/2	1 1/2"	55	101
SSR-12-3	3"	37	68
SSR-12-4 1/2	4 1/2"	32	58
SSR-12-6	6"	29	52

15" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SSR-15-1 1/2	1 1/2"	62	112
SSR-15-3	3"	42	78
SSR-15-4 1/2	4 1/2"	33	61
SSR-15-6	6"	30	55

18" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SSR-18-1 1/2	1 1/2"	72	135
SSR-18-3	3"	47	97
SSR-18-4 1/2	4 1/2"	40	73
SSR-18-6	6"	32	63

24" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SSR-24-1 1/2	1 1/2"	97	168
SSR-24-3	3"	58	108
SSR-24-4 1/2	4 1/2"	47	88
SSR-24-6	6"	42	78

Aluminum Frames

12" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SAR-12-1 1/2	1 1/2"	29	53
SAR-12-3	3"	20	36
SAR-12-4 1/2	4 1/2"	17	30
SAR-12-6	6"	15	27

15" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SAR-15-1 1/2	1 1/2"	33	56
SAR-15-3	3"	23	41
SAR-15-4 1/2	4 1/2"	18	32
SAR-15-6	6"	16	29

18" Overall Width

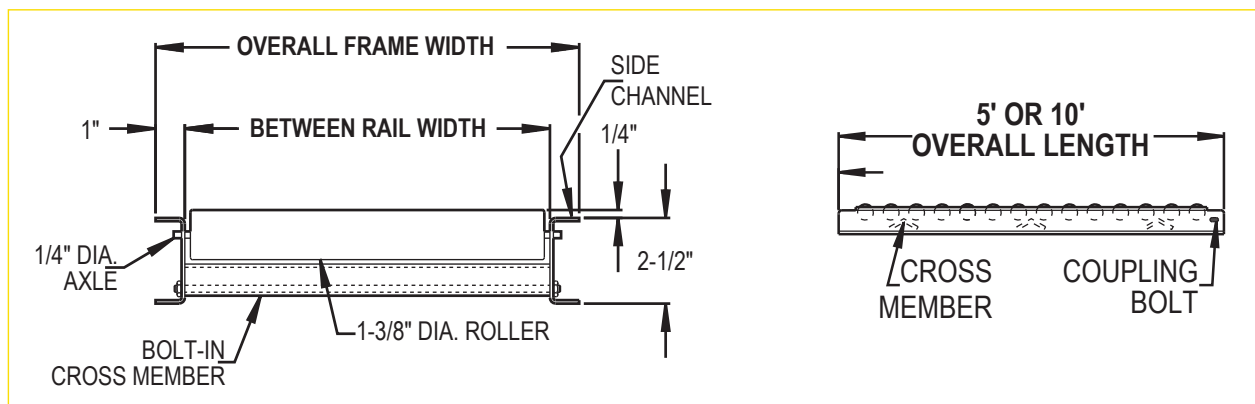
Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SAR-18-1 1/2	1 1/2"	38	70
SAR-18-3	3"	27	51
SAR-18-4 1/2	4 1/2"	20	38
SAR-18-6	6"	18	33

24" Overall Width

Model No.	Roller Centers	Wgts. (lbs.)	
		5'	10'
SAR-24-1 1/2	1 1/2"	48	88
SAR-24-3	3"	30	56
SAR-24-4 1/2	4 1/2"	25	46
SAR-24-6	6"	22	41

SSR/SAR

Load Capacity Chart			
Frame Material	Support Centers	Frame Capacity (lbs.) Maximum Distributed Live Load Per Foot	Roller Capacity (lbs.) Maximum Load Per Roller
Steel	5'	250	45
	10'	31	
Aluminum	5'	83	30
	10'	10	



Standard Specifications

WIDTHS – 12 in., 15 in., 18 in., and 24 in. overall.

FRAME – 2 1/2 in. deep x 1 in. flange x 12 ga. powder-painted formed steel or 1/8 in. heat-treated aluminum channel with bolt-in cross members.

COUPLINGS – Butt couplings on both ends.

LENGTH – 5 ft. and 10 ft. straight sections.

ROLLERS – 1 3/8 in. dia. x 18 ga. galvanized steel or heat-treated aluminum tubing. Spring-loaded axle allows roller to be easily removed or inserted.

AXLES – 1/4 in. dia. round.

CAPACITY – See Load Capacity Chart on this page.

25SR/26SR

Heavy-Duty Gravity Roller Conveyor

Gravity Roller Spur with either 2 1/2 in. dia. x 11 ga. rollers or 2 5/8 in. dia. x 7 ga. rollers.

Over All Width	Between Rail Width	Model No.	Roller Centers	Weights (lbs.)		Model No.	Roller Centers	Weights (lbs.)	
				5'	10'			5'	10'
16 1/4"	13"	25SR-13-3	3"	185	364	26SR-13-3	3"	217	427
		25SR-13-4	4"	155	303	26SR-13-4	4"	179	351
		25SR-13-6	6"	125	242	26SR-13-6	6"	141	274
18 1/4"	15"	25SR-15-3	3"	200	390	26SR-15-3	3"	235	465
		25SR-15-4	4"	170	330	26SR-15-4	4"	200	390
		25SR-15-6	6"	135	260	26SR-15-6	6"	160	305
20 1/4"	17"	25SR-17-3	3"	215	420	26SR-17-3	3"	260	515
		25SR-17-4	4"	180	350	26SR-17-4	4"	220	430
		25SR-17-6	6"	145	280	26SR-17-6	6"	175	330
22 1/4"	19"	25SR-19-3	3"	234	458	26SR-19-3	3"	282	553
		25SR-19-4	4"	192	375	26SR-19-4	4"	228	446
		25SR-19-6	6"	151	292	26SR-19-6	6"	175	340
24 1/4"	21"	25SR-21-3	3"	245	480	26SR-21-3	3"	310	591
		25SR-21-4	4"	200	390	26SR-21-4	4"	260	510
		25SR-21-6	6"	160	310	26SR-21-6	6"	205	380
26 1/4"	23"	25SR-23-3	3"	260	510	26SR-23-3	3"	285	629
		25SR-23-4	4"	210	410	26SR-23-4	4"	230	450
		25SR-23-6	6"	165	320	26SR-23-6	6"	178	346
28 1/4"	25"	25SR-25-3	3"	282	552	26SR-25-3	3"	346	679
		25SR-25-4	4"	230	447	26SR-25-4	4"	277	542
		25SR-25-6	6"	177	342	26SR-25-6	6"	268	405
30 1/4"	27"	25SR-27-3	3"	297	594	26SR-27-3	3"	310	710
		25SR-27-4	4"	235	460	26SR-24-4	4"	270	530
		25SR-27-6	6"	180	350	26SR-27-6	6"	205	400
34 1/4"	31"	25SR-31-3	3"	312	636	26SR-31-3	3"	410	743
		25SR-31-4	4"	267	519	26SR-31-4	4"	326	638
		25SR-31-6	6"	203	391	26SR-31-6	6"	243	471
36 1/4"	33"	25SR-33-3	3"	345	678	26SR-33-3	3"	390	780
		25SR-33-4	4"	265	520	26SR-33-4	4"	310	610
		25SR-33-6	6"	200	390	26SR-33-6	6"	235	460

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

25SR/26SR

Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., 39 in., 43 in., 47 in., 51 in, and 55 in.

FRAME – 4 in. deep x 1 5/8 in. flange x 4 ga. powder-painted formed steel channel with bolt-in cross members set high, welded cross members set low.

BUTT COUPLINGS – For bolting sections together.

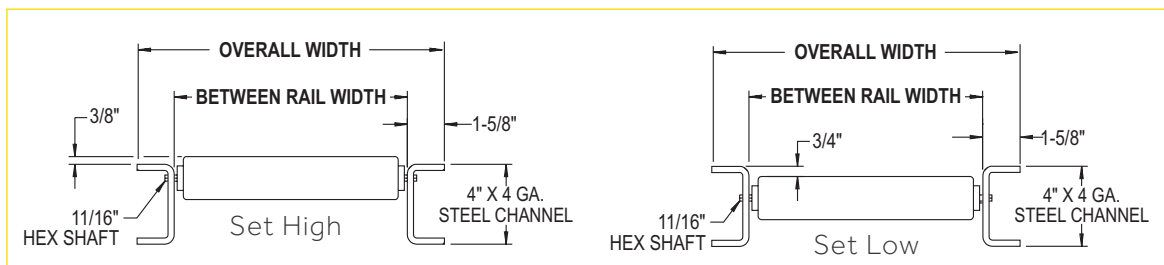
ROLLERS – 25SR 2 1/2 in. dia. x 11 ga. steel tubing. Bearings are labyrinth sealed and grease packed.

AXLES – 11/16 in. hex shaft; spring loaded.

CAPACITY – See Load Capacity Chart.

Over All Width	Between Rail Width	Model No.	Roller Centers	Weights (lbs.)		Model No.	Roller Centers	Weights (lbs.)	
				5'	10'			5'	10'
40 1/4"	37"	25SR-37-3	3"	355	700	26SR-37-3	3"	380	819
		25SR-37-4	4"	285	560	26SR-37-4	4"	305	600
		25SR-37-6	6"	215	420	26SR-37-6	6"	230	446
42 1/4"	39"	25SR-39-3	3"	375	740	26SR-39-3	3"	405	857
		25SR-39-4	4"	285	580	26SR-39-4	4"	325	640
		25SR-39-6	6"	220	430	26SR-39-6	6"	245	475
46 1/4"	43"	25SR-43-3	3"	415	820	26SR-43-3	3"	455	911
		25SR-43-4	4"	305	620	26SR-43-4	4"	365	720
		25SR-43-6	6"	225	450	26SR-43-6	6"	275	533
50 1/4"	47"	25SR-47-3	3"	455	900	26SR-47-3	3"	505	1017
		25SR-47-4	4"	325	660	26SR-47-4	4"	405	800
		25SR-47-6	6"	235	470	26SR-47-6	6"	305	519
54 1/4"	51"	25SR-51-3	3"	495	980	26SR-51-3	3"	555	1123
		25SR-51-4	4"	345	700	26SR-51-4	4"	445	880
		25SR-51-6	6"	245	490	26SR-51-6	6"	335	649
58 1/4"	55"	25SR-55-3	3"	535	1060	26SR-55-3	3"	605	1229
		25SR-55-4	4"	365	740	26SR-55-4	4"	485	960
		25SR-55-6	6"	255	550	26SR-55-6	6"	365	779

Load Capacity Chart			
Support Centers	Frame Capacity (lbs.)	Roller Capacity (lbs.)	
	Max. Distributed Live Load Per Foot	Max. Load Per Roller	
		13" to 39" BR	43" to 51" BR
		2 1/2"	2 1/2"
5'	1620		
10'	288	630	630



Optional Equipment

FRAME – 4 in. x 5.4 lbs. powder-painted structural steel channel with bolt-in cross members set high and welded cross members set low.

25SRS/26SRS

Heavy-Duty Gravity Roller Spur Conveyor

Gravity Roller Spur with either 2 1/2 in. dia. x 11 ga. rollers or 2 1/2 in. dia. x 7 ga. rollers.

Overall Width	Between Rail Width	30° Spur				
		Model No. (Unplated)		"A"	Weights (lbs.)	
		2 1/2" Roller	2 5/8" Roller		2 1/2" Roller	2 5/8" Roller
16 1/4"	13"	25SRS-13-30	26SRS-13-30	39"	284	330
18 1/4"	15"	25SRS-15-30	26SRS-15-30	54"	302	355
20 1/4"	17"	25SRS-17-30	26SRS-17-30	54"	320	379
22 1/4"	19"	25SRS-19-30	26SRS-19-30	54"	338	403
24 1/4"	21"	25SRS-21-30	26SRS-21-30	54"	355	426
26 1/4"	23"	25SRS-23-30	26SRS-23-30	75"	374	451
28 1/4"	25"	25SRS-25-30	26SRS-25-30	75"	389	471
30 1/4"	27"	25SRS-27-30	26SRS-27-30	75"	403	489
34 1/4"	31"	25SRS-31-30	26SRS-31-30	75"	436	531
36 1/4"	33"	25SRS-33-30	26SRS-33-30	96"	445	544
40 1/4"	37"	25SRS-37-30	26SRS-37-30	96"	466	572
42 1/4"	39"	25SRS-39-30	26SRS-39-30	96"	465	573
46 1/4"	43"	25SRS-43-30	26SRS-43-30	114"	477	590
50 1/4"	47"	25SRS-47-30	26SRS-47-30	114"	484	596
54 1/4"	51"	25SRS-51-30	26SRS-51-30	114"	503	621

Overall Width	Between Rail Width	45° Spur				
		Model No. (Unplated)		"B"	Weights (lbs.)	
		2 1/2" Roller	2 5/8" Roller		2 1/2" Roller	2 5/8" Roller
16 1/4"	13"	25SRS-13-45	26SRS-13-45	39"	282	325
18 1/4"	15"	25SRS-15-45	26SRS-15-45	39"	319	373
20 1/4"	17"	25SRS-17-45	26SRS-17-45	39"	323	378
22 1/4"	19"	25SRS-19-45	26SRS-19-45	39"	354	420
24 1/4"	21"	25SRS-21-45	26SRS-21-45	54"	380	457
26 1/4"	23"	25SRS-23-45	26SRS-23-45	54"	388	465
28 1/4"	25"	25SRS-25-45	26SRS-25-45	54"	417	504
30 1/4"	27"	25SRS-27-45	26SRS-27-45	54"	433	526
34 1/4"	31"	25SRS-31-45	26SRS-31-45	75"	472	578
36 1/4"	33"	25SRS-33-45	26SRS-33-45	75"	483	593
40 1/4"	37"	25SRS-37-45	26SRS-37-45	75"	527	649
42 1/4"	39"	25SRS-39-45	26SRS-39-45	75"	531	657
46 1/4"	43"	25SRS-43-45	26SRS-43-45	75"	557	691
50 1/4"	47"	25SRS-47-45	26SRS-47-45	96"	556	693
54 1/4"	51"	25SRS-51-45	26SRS-51-45	96"	568	708

Overall Width	Between Rail Width	90° Spur						
		Model No. (Unplated)		"C"	"D"	Inside Radius	Weights (lbs.)	
		2 1/2" Roller	2 5/8" Roller				2 1/2" Roller	2 5/8" Roller
16 1/4"	13"	25SRS-13-90S	26SRS-13-90S	39"	33"	32 1/2"	133	149
18 1/4"	15"	25SRS-15-90S	26SRS-15-90S	39"			139	157
20 1/4"	17"	25SRS-17-90S	26SRS-17-90S	54"			152	172
22 1/4"	19"	25SRS-19-90S	26SRS-19-90S	54"			158	180
24 1/4"	21"	25SRS-21-90S	26SRS-21-90S	54"			164	188
26 1/4"	23"	25SRS-23-90S	26SRS-23-90S	54"			170	195
28 1/4"	25"	25SRS-25-90S	26SRS-25-90S	54"			175	202
30 1/4"	27"	25SRS-27-90S	26SRS-27-90S	54"	48 1/2"	48"	180	209
34 1/4"	31"	25SRS-31-90D	26SRS-31-90D	75"			263	303
36 1/4"	33"	25SRS-33-90D	26SRS-33-90D	75"			267	309
40 1/4"	37"	25SRS-37-90D	26SRS-37-90D	75"			281	327
42 1/4"	39"	25SRS-39-90D	26SRS-39-90D	96"			295	343
46 1/4"	43"	25SRS-43-90D	26SRS-43-90D	96"			307	359
50 1/4"	47"	25SRS-47-90D	26SRS-47-90D	96"			315	370
54 1/4"	51"	25SRS-51-90D	26SRS-51-90D	96"			326	384

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

25SRS/26SRS

Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., 39 in., 43 in., 47 in., and 51 in.

FRAME – 4 in. deep x 1 5/8 in. flange x 4 ga. powder-painted formed steel channel with bolt-in cross members.

BUTT COUPLINGS – Butt couplings on one end. Spur angle on opposite end. Mounting bracket available; specify.

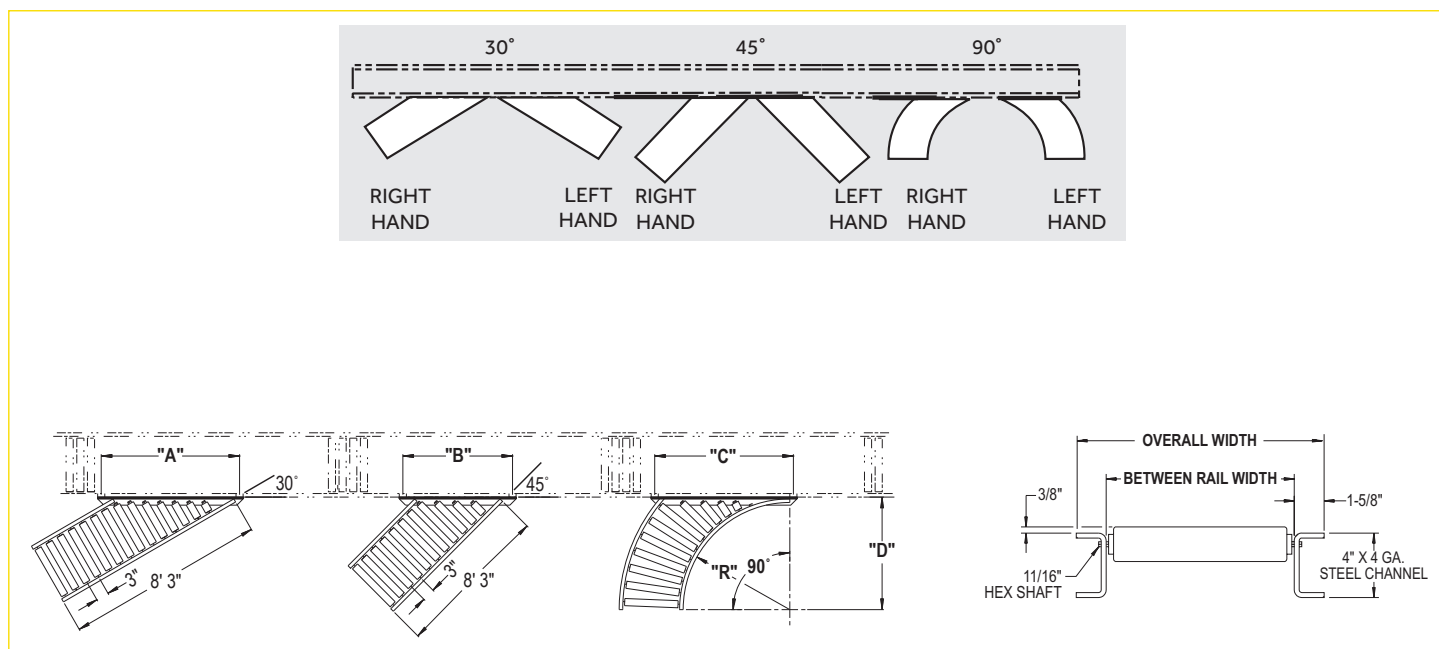
MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of other conveyors.

SPUR ANGLES – 30, 45, and 90 degree. Right- or left-hand applications, specify.

ROLLERS – 25SRS 2 1/2 in. dia. x 11 ga. steel tubing. Bearings are labyrinth sealed and grease packed.

AXLES – 11/16 in. hex shaft; spring loaded.

CAPACITY – Same per foot capacity as straight sections. See Gravity Roller Conveyor (2 1/2 in. x 11 and 7 ga.) charts.



Optional Equipment

FRAME – 4 in. x 5.4 lb. powder-painted structural steel channel with bolt-in cross members.

19GSRS/199SRS

Medium-Duty Gravity Roller Spur Conveyor

Gravity Roller Spurs are used to transfer products from one conveying line to another. They can be used in merging or diverging applications. Ideally used where numerous lines must transfer onto a main conveyor line.

- 12 Widths
- 30-, 45-, and 90-Degree Spurs Available
- Right- or Left-Hand Units

90-degree spur shown in photo.



Overall Width	Between Rail Width	30° Spur				
		Model No. 1.9 in. Roller (Unplated)		"A"	Weights (lbs.)	
		16 Ga. - Galvanized	9 Ga. - Unplated		16 Ga.	9 Ga.
16"	13"	19GSRS-13-30	199SRS-13-30	36"	113	135
18"	15"	19GSRS-15-30	199SRS-15-30	39"	121	146
20"	17"	19GSRS-17-30	199SRS-17-30	45"	128	156
22"	19"	19GSRS-19-30	199SRS-19-30	48"	135	165
24"	21"	19GSRS-21-30	199SRS-21-30	51"	137	169
26"	23"	19GSRS-23-30	199SRS-23-30	54"	143	177
28"	25"	19GSRS-25-30	199SRS-25-30	60"	150	187
30"	27"	19GSRS-27-30	199SRS-27-30	63"	156	194
34"	31"	19GSRS-31-30	199SRS-31-30	72"	159	202
36"	33"	19GSRS-33-30	199SRS-33-30	75"	162	204
40"	37"	19GSRS-37-30	199SRS-37-30	84"	169	213
42"	39"	19GSRS-39-30	199SRS-39-30	87"	172	217

Overall Width	Between Rail Width	45° Spur				
		Model No. 1.9 in. Roller (Unplated)		"B"	Weights (lbs.)	
		16 Ga. - Galvanized	9 Ga. - Unplated		16 Ga.	9 Ga.
16"	13"	19GSRS-13-45	199SRS-13-45	27"	88	108
18"	15"	19GSRS-15-45	199SRS-15-45	30"	96	116
20"	17"	19GSRS-17-45	199SRS-17-45	33"	102	124
22"	19"	19GSRS-19-45	199SRS-19-45	36"	109	132
24"	21"	19GSRS-21-45	199SRS-21-45	39"	114	140
26"	23"	19GSRS-23-45	199SRS-23-45	42"	119	147
28"	25"	19GSRS-25-45	199SRS-25-45	45"	127	156
30"	27"	19GSRS-27-45	199SRS-27-45	48"	132	163
34"	31"	19GSRS-31-45	199SRS-31-45	54"	136	170
36"	33"	19GSRS-33-45	199SRS-33-45	57"	140	175
40"	37"	19GSRS-37-45	199SRS-37-45	63"	148	185
42"	39"	19GSRS-39-45	199SRS-39-45	66"	151	193

Overall Width	Between Rail Width	90° Spur						
		Model No. 1.9 in. Roller (Unplated)		"C"	"D"	Inside Radius	Weights (lbs.)	
		16 Ga. - Galvanized	9 Ga. - Unplated				16 Ga.	9 Ga.
16"	13"	19GSRS-13-90	199SRS-13-90	42"			112	108
18"	15"	19GSRS-15-90	199SRS-15-90	42"			120	116
20"	17"	19GSRS-17-90	199SRS-17-90	48"			131	124
22"	19"	19GSRS-19-90	199SRS-19-90	48"	33"	32 1/2"	140	132
24"	21"	19GSRS-21-90	199SRS-21-90	48"			152	140
26"	23"	19GSRS-23-90	199SRS-23-90	54"			184	147
28"	25"	19GSRS-25-90	199SRS-25-90	54"			193	156
30"	27"	19GSRS-27-90	199SRS-27-90	54"			203	163
34"	31"	19GSRS-31-90	199SRS-31-90	66"			240	170
36"	33"	19GSRS-33-90	199SRS-33-90	78"	48 1/2"	48"	250	175
40"	37"	19GSRS-37-90	199SRS-37-90	78"			270	185
42"	39"	19GSRS-39-90	199SRS-39-90	78"			284	193

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

19GSRS/199SRS

Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., and 39 in.

FRAME – 3 1/2 in. deep x 1 1/2 in. flange x 10 ga. powder-painted, formed steel channel with bolt-in cross members on 30- and 45-degree spurs; welded cross members on 90-degree spurs.

BUTT COUPLINGS – Bolt-on type for bolting sections together.

SPUR ANGLE – 30, 45, and 90 degree. Right- or left-hand applications, specify.

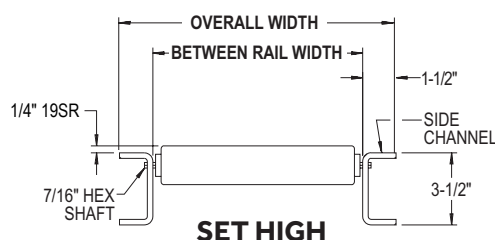
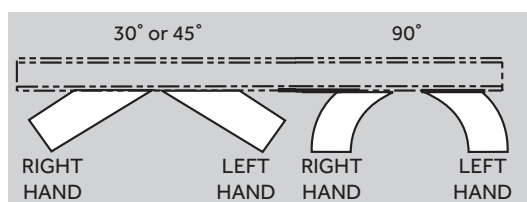
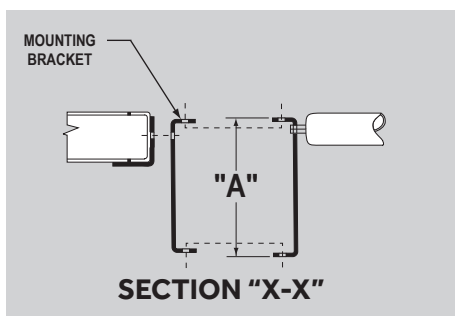
ROLLERS – 19GSRS utilizes 1.9 in. dia. x 16 ga. galvanized rollers. 199SRS utilizes 1.9 in. dia. x 9 ga. unplated steel tubing. Bearings are labyrinth sealed and grease packed.

AXLES – 7/16 in. hex shaft, spring loaded.

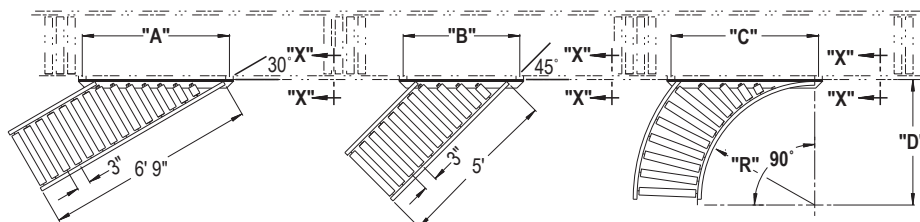
MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of other conveyors, specify.

CAPACITY – Same per foot capacity as straight sections. See Gravity Roller Conveyor (1.9 in dia. x 9 and 16 ga.) charts.

For Conveyor Channel SIZE "A"	Order By Mounting Bracket No.	Drawing Number
3 1/2" x 10 Ga.	K-2	G-571-2
6 1/2" x 12 Ga.	K-4	G-571-4



Note:
When Between Rail Widths exceed 21 in., double rollers are supplied standard on 90-degree spurs.



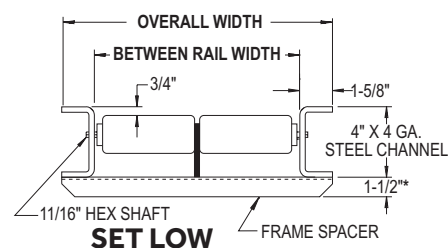
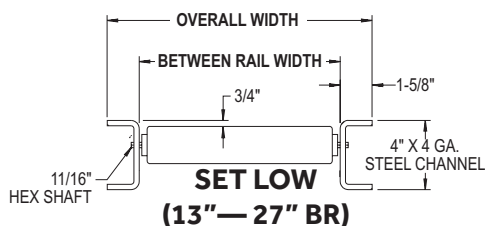
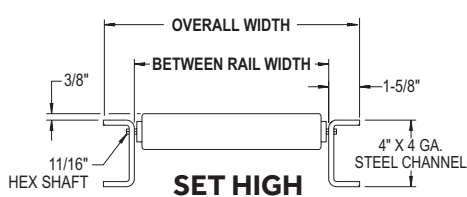
25SRC/26SRC

Heavy-Duty Gravity Roller Curve Conveyor

Heavy-duty gravity roller curve conveyors add versatility to straight gravity roller conveyors. Curves are supplied with 2 1/2 in. dia. rollers mounted in a powder-painted steel channel. Curves may be furnished with rollers set high, or with rollers set low to form 3/4 in. high guard rails.

OAW	BR	Inside Radius	Rollers Per Curve 90°	Model No. 25SRC 2 1/2" Rollers	Weight (lbs.) 90°	Model No. 26SRC 2 5/8" Rollers	Weight (lbs.) 90°
16 1/4"	13"	32 1/2"	16 Single	25SRC-13-90S	170	26SRC-13-90S	196
18 1/4"	15"			25SRC-15-90S	185	26SRC-15-90S	216
20 1/4"	17"			25SRC-17-90S	200	26SRC-17-90S	235
22 1/4"	19"			25SRC-19-90S	212	26SRC-19-90S	252
24 1/4"	21"			25SRC-21-90S	230	26SRC-21-90S	274
26 1/4"	23"			25SRC-23-90S	245	26SRC-23-90S	294
28 1/4"	25"			25SRC-25-90S	260	26SRC-25-90S	313
30 1/4"	27"			25SRC-27-90S	276	26SRC-27-90S	333
34 1/4"	31"	48"	37 Double	25SRC-31-90D	432	26SRC-31-90D	505
36 1/4"	33"			25SRC-33-90D	451	26SRC-33-90D	530
40 1/4"	37"			25SRC-37-90D	589	26SRC-37-90D	578
42 1/4"	39"			25SRC-39-90D	508	26SRC-39-90D	602
46 1/4"	43"			25SRC-43-90D	546	26SRC-43-90D	650
50 1/4"	47"			25SRC-47-90D	583	26SRC-47-90D	697
54 1/4"	51"			25SRC-51-90D	622	26SRC-51-90D	746

OAW	BR	Inside Radius	Rollers Per Curve 60°	Model No. 25SRC 2 1/2" Rollers	Weight (lbs.) 60°	Model No. 26SRC 2 5/8" Rollers	Weight (lbs.) 60°
16 1/4"	13"	32 1/2"	10 Single	25SRC-13-60S	128	26SRC-13-60S	147
18 1/4"	15"			25SRC-15-60S	138	26SRC-15-60S	162
20 1/4"	17"			25SRC-17-60S	150	26SRC-17-60S	177
22 1/4"	19"			25SRC-19-60S	159	26SRC-19-60S	189
24 1/4"	21"			25SRC-21-60S	173	26SRC-21-60S	205
26 1/4"	23"			25SRC-23-60S	183	26SRC-23-60S	221
28 1/4"	25"			25SRC-25-60S	195	26SRC-25-60S	235
30 1/4"	27"			25SRC-27-60S	207	26SRC-27-60S	250
34 1/4"	31"	48"	23 Double	25SRC-31-60D	324	26SRC-31-60D	378
36 1/4"	33"			25SRC-33-60D	339	26SRC-33-60D	398
40 1/4"	37"			25SRC-37-60D	366	26SRC-37-60D	433
42 1/4"	39"			25SRC-39-60D	381	26SRC-39-60D	451
46 1/4"	43"			25SRC-43-60D	410	26SRC-43-60D	488
50 1/4"	47"			25SRC-47-60D	438	26SRC-47-60D	523
54 1/4"	51"			25SRC-51-60D	467	26SRC-51-60D	559



*Frame spacer 1 1/2" below channel on 31" to 51" BR only.

25SRC/26SRC

OAW	BR	Inside Radius	Rollers Per Curve 45°	Model No. 25SRC 2 1/2" Rollers	Weight (lbs.) 45°	Model No. 26SRC 2 5/8" Rollers	Weight (lbs.) 45°
16 1/4"	13"	32 1/2"	8 Single	25SRC-13-45S	91	26SRC-13-45S	104
18 1/4"	15"			25SRC-15-45S	98	26SRC-15-45S	113
20 1/4"	17"			25SRC-17-45S	106	26SRC-17-45S	123
22 1/4"	19"			25SRC-19-45S	113	26SRC-19-45S	133
24 1/4"	21"			25SRC-21-45S	121	26SRC-21-45S	143
26 1/4"	23"			25SRC-23-45S	128	26SRC-23-45S	152
28 1/4"	25"			25SRC-25-45S	136	26SRC-25-45S	162
30 1/4"	27"			25SRC-27-45S	143	26SRC-27-45S	172
34 1/4"	31"	48"	19 Double	25SRC-31-45D	311	26SRC-31-45D	349
36 1/4"	33"			25SRC-33-45D	323	26SRC-33-45D	363
40 1/4"	37"			25SRC-37-45D	348	26SRC-37-45D	393
42 1/4"	39"			25SRC-39-45D	360	26SRC-39-45D	408
46 1/4"	43"			25SRC-43-45D	385	26SRC-39-45D	438
50 1/4"	47"			25SRC-47-45D	408	26SRC-47-45D	467
54 1/4"	51"			25SRC-51-45D	434	26SRC-51-45D	498

OAW	BR	Inside Radius	Rollers Per Curve 30°	Model No. 25SRC 2 1/2" Rollers	Weight (lbs.) 30°	Model No. 26SRC 2 5/8" Rollers	Weight (lbs.) 30°
16 1/4"	13"	32 1/2"	5 Single	25SRC-13-30S	57	26SRC-13-30S	65
18 1/4"	15"			25SRC-15-30S	61	26SRC-15-30S	72
20 1/4"	17"			25SRC-17-30S	66	26SRC-17-30S	78
22 1/4"	19"			25SRC-19-30S	70	26SRC-19-30S	84
24 1/4"	21"			25SRC-21-30S	75	26SRC-21-30S	91
26 1/4"	23"			25SRC-23-30S	81	26SRC-23-30S	97
28 1/4"	25"			25SRC-25-30S	86	26SRC-25-30S	103
30 1/4"	27"			25SRC-27-30S	91	26SRC-27-30S	110
34 1/4"	31"	48"	13 Double	25SRC-31-30D	143	26SRC-31-30D	167
36 1/4"	33"			25SRC-33-30D	148	26SRC-33-30D	175
40 1/4"	37"			25SRC-37-30D	161	26SRC-37-30D	191
42 1/4"	39"			25SRC-39-30D	167	26SRC-39-30D	198
46 1/4"	43"			25SRC-43-30D	181	26SRC-43-30D	215
50 1/4"	47"			25SRC-47-30D	192	26SRC-47-30D	230
54 1/4"	51"			25SRC-51-30D	205	26SRC-51-30D	246

Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., and 39 in., 43 in., 47 in., and 51 in.

FRAME – 4 in. deep x 1 5/8 in. flange x 4 ga. powder-painted formed steel channel with bolt-in cross members set high, welded cross members set low.

BUTT COUPLINGS – For bolting sections together.

CURVES – 30, 45, 60, and 90 degree. 32 1/2 in. inside radius up to 27 in. and 48 in. inside radius on 31 in. to 51 in. between rail width.

Optional Equipment

FRAME – 4 in. x 5.4 lb. powder-painted structural steel channel with welded cross members.

ROLLERS – 25SRC 2 1/2 in. dia. x 11 ga. steel tubing. Bearings are labyrinth sealed and grease packed.

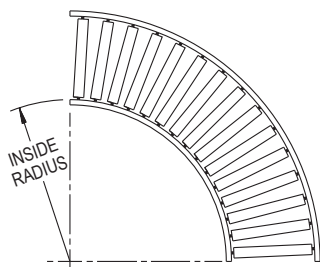
AXLES – 11/16 in. hex shaft; spring loaded.

CAPACITY – Same per foot capacity as straight sections. See charts on previous page.

199SRC

Medium-Duty Gravity Roller Curve Conveyor

Gravity Roller Curve Conveyor with either 1.9 in. dia. x 9 ga. unplated rollers.



OAW	BR	Inside Radius	Rollers Per Curve 60°	Model No. 199SRC Unplated	Weight (lbs.) 60°
16"	13"	32 1/2"	14	199SRC-13-60S	85
18"	15"		14	199SRC-15-60S	96
20"	17"		14	199SRC-17-60S	107
22"	19"		14	199SRC-19-60S	117
24"	21"		14	199SRC-21-60S	129
26"	23"		32	199SRC-23-60D	152
28"	25"	48"	32	199SRC-25-60D	162
30"	27"		32	199SRC-27-60D	173
34"	31"		32	199SRC-31-60D	205
36"	33"		32	199SRC-33-60D	215
40"	37"		32	199SRC-37-60D	237
42"	39"		32	199SRC-39-60D	248

OAW	BR	Inside Radius	Rollers Per Curve 90°	Model No. 199SRC Unplated	Weight (lbs.) 90°
16"	13"	32 1/2"	22	199SRC-13-90S	128
18"	15"		22	199SRC-15-90S	144
20"	17"		22	199SRC-17-90S	161
22"	19"		22	199SRC-19-90S	176
24"	21"		22	199SRC-21-90S	193
26"	23"		42	199SRC-23-90D	228
28"	25"	48"	42	199SRC-25-90D	243
30"	27"		42	199SRC-27-90D	259
34"	31"		42	199SRC-31-90D	307
36"	33"		42	199SRC-33-90D	323
40"	37"		42	199SRC-37-90D	356
42"	39"		42	199SRC-39-90D	373

OAW	BR	Inside Radius	Rollers Per Curve 45°	Model No. 199SRC Unplated	Weight (lbs.) 45°
16"	13"	32 1/2"	11	199SRC-13-45S	66
18"	15"		11	199SRC-15-45S	73
20"	17"		11	199SRC-17-45S	82
22"	19"		11	199SRC-19-45S	90
24"	21"		11	199SRC-21-45S	98
26"	23"		22	199SRC-23-45D	117
28"	25"	48"	22	199SRC-25-45D	124
30"	27"		22	199SRC-27-45D	132
34"	31"		22	199SRC-31-45D	159
36"	33"		22	199SRC-33-45D	166
40"	37"		22	199SRC-37-45D	182
42"	39"		22	199SRC-39-45D	190

OAW	BR	Inside Radius	Rollers Per Curve 30°	Model No. 199SRC Unplated	Weight (lbs.) 30°
16"	13"	32 1/2"	7	199SRC-13-30S	42
18"	15"		7	199SRC-15-30S	48
20"	17"		7	199SRC-17-30S	53
22"	19"		7	199SRC-19-30S	58
24"	21"		7	199SRC-21-30S	64
26"	23"		12	199SRC-23-30D	75
28"	25"	48"	12	199SRC-25-30D	80
30"	27"		12	199SRC-27-30D	86
34"	31"		18	199SRC-31-30D	101
36"	33"		18	199SRC-33-30D	107
40"	37"		18	199SRC-37-30D	118
42"	39"		18	199SRC-39-30D	123

199SRC

Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., and 39 in.

FRAME – 3 1/2 in. or 4 1/2 in. deep x 1 1/2 in. flange x 10 ga. powder-painted formed steel channel with bolt-in cross members.

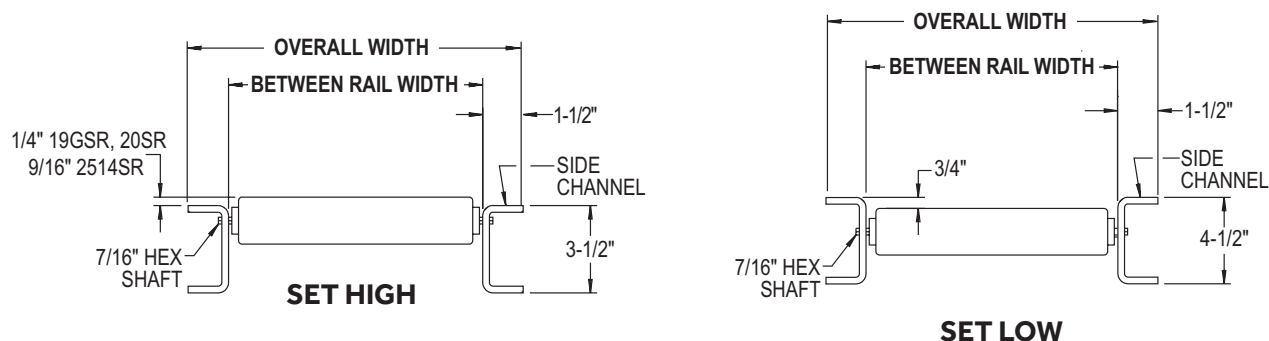
BUTT COUPLINGS – Bolt-on type for bolting sections together.

CURVES – 30, 45, 60 and 90 degree. 32 1/2 in. inside radius for widths up to 27 in. and 48 in. inside radius for 31 in. to 39 in. between rail width.

ROLLERS – 199SRC 1.9 in. dia. x 9 ga. unplated steel tubing. Bearings are labyrinth sealed and grease packed.

AXLES – 7/16 in. hex shaft; spring loaded.

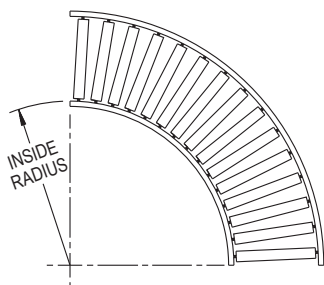
CAPACITY – Same per foot capacity as straight sections. See charts on previous page.



19GSRC

Heavy-Duty Gravity Roller Curve Conveyor

Gravity Roller Curve Conveyor with either 1.9 in. dia. x 16 ga. rollers.



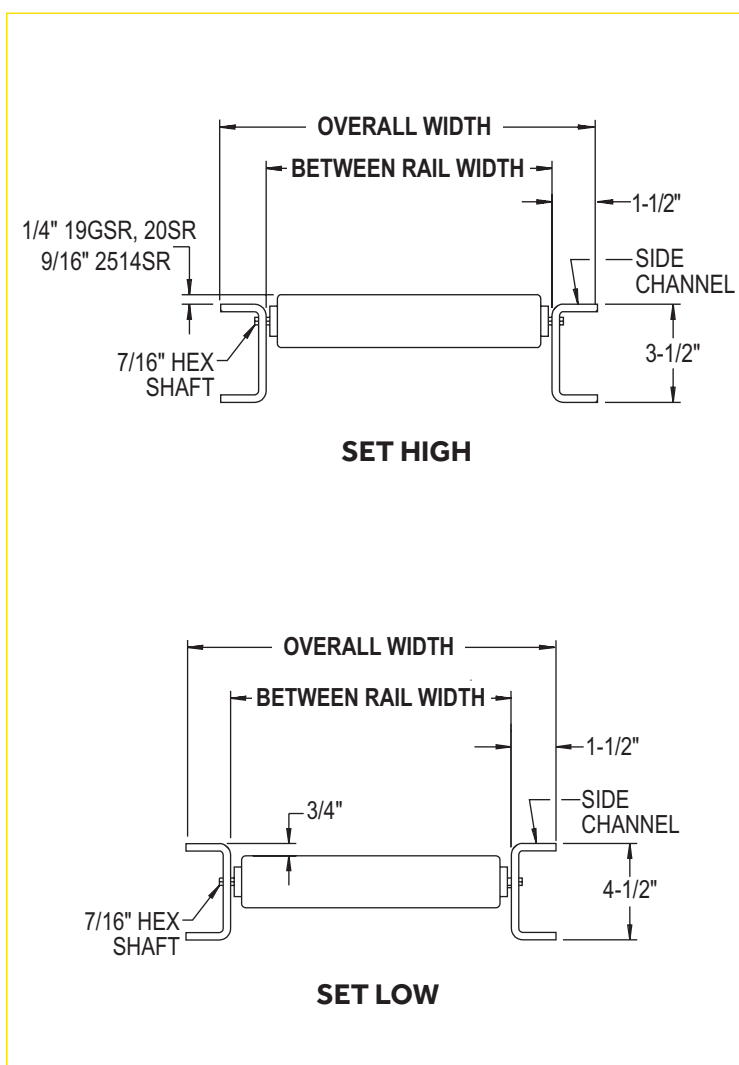
OAW	BR	Inside Radius	Rollers Per Curve 45°	Model No. 19GSRC Galvanized	Weight (lbs.) 45°
16"	13"	32 1/2"	11	19GSRC-13-45S	50
18"	15"		11	19GSRC-15-45S	53
20"	17"		11	19GSRC-17-45S	58
22"	19"		11	19GSRC-19-45S	63
24"	21"		11	19GSRC-21-45S	67
26"	23"		22	19GSRC-23-45D	82
28"	25"	48"	22	19GSRC-25-45D	85
30"	27"		22	19GSRC-27-45D	89
34"	31"		22	19GSRC-31-45D	108
36"	33"		22	19GSRC-33-45D	112
40"	37"		22	19GSRC-37-45D	120
42"	39"		22	19GSRC-39-45D	124

OAW	BR	Inside Radius	Rollers Per Curve 30°	Model No. 19GSRC Galvanized	Weight (lbs.) 30°
16"	13"	32 1/2"	7	19GSRC-13-30S	32
18"	15"		7	19GSRC-15-30S	35
20"	17"		7	19GSRC-17-30S	38
22"	19"		7	19GSRC-19-30S	40
24"	21"		7	19GSRC-21-30S	43
26"	23"		12	19GSRC-23-30D	53
28"	25"	48"	12	19GSRC-25-30D	56
30"	27"		12	19GSRC-27-30D	58
34"	31"		18	19GSRC-31-30D	70
36"	33"		18	19GSRC-33-30D	73
40"	37"		18	19GSRC-37-30D	79
42"	39"		18	19GSRC-39-30D	82

OAW	BR	Inside Radius	Rollers Per Curve 60°	Model No. 19GSRC Galvanized	Weight (Lbs) 60°
16"	13"	32 1/2"	14	19GSRC-13-60S	65
18"	15"		14	19GSRC-15-60S	70
20"	17"		14	19GSRC-17-60S	76
22"	19"		14	19GSRC-19-60S	81
24"	21"		14	19GSRC-21-60S	87
26"	23"		32	19GSRC-23-60D	107
28"	25"	48"	32	19GSRC-25-60D	113
30"	27"		32	19GSRC-27-60D	118
34"	31"		32	19GSRC-31-60D	141
36"	33"		32	19GSRC-33-60D	147
40"	37"		32	19GSRC-37-60D	159
42"	39"		32	19GSRC-39-60D	165

OAW	BR	Inside Radius	Rollers Per Curve 90°	Model No. 19GSRC Galvanized	Weight (lbs.) 90°
16"	13"	32 1/2"	22	19GSRC-13-90S	97
18"	15"		22	19GSRC-15-90S	105
20"	17"		22	19GSRC-17-90S	114
22"	19"		22	19GSRC-19-90S	122
24"	21"		22	19GSRC-21-90S	131
26"	23"		42	19GSRC-23-90D	161
28"	25"	48"	42	19GSRC-25-90D	169
30"	27"		42	19GSRC-27-90D	177
34"	31"		42	19GSRC-31-90D	211
36"	33"		42	19GSRC-33-90D	220
40"	37"		42	19GSRC-37-90D	238
42"	39"		42	19GSRC-39-90D	247

19GSRC



Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., and 39 in.

FRAME – 3 1/2 in. or 4 1/2 in. deep x 1 1/2 in. flange x 10 ga. powder-painted formed steel channel with bolt-in cross members.

BUTT COUPLINGS – Bolt-on type for bolting sections together.

CURVES – 30, 45, 60, and 90 degree. 32 1/2 in. inside radius for widths up to 27 in. and 48 in. inside radius for 31 in. to 39 in. between rail width.

ROLLERS – 19GSRC 1.9 in. dia. x 16 ga. galvanized steel tubing. Bearings are labyrinth sealed and grease packed.

AXLES – 7/16 in. hex shaft; spring loaded.

CAPACITY – Same per foot capacity as straight sections. See charts on previous page.

25SRCT

Heavy-Duty Gravity Roller Curve Conveyor

Heavy-duty gravity roller curve conveyor aids in alignment of packages, cartons, etc.

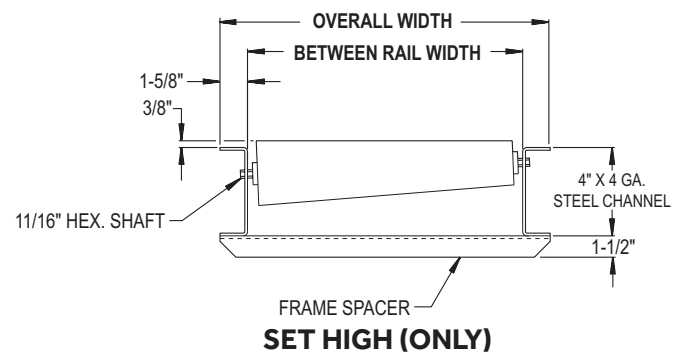
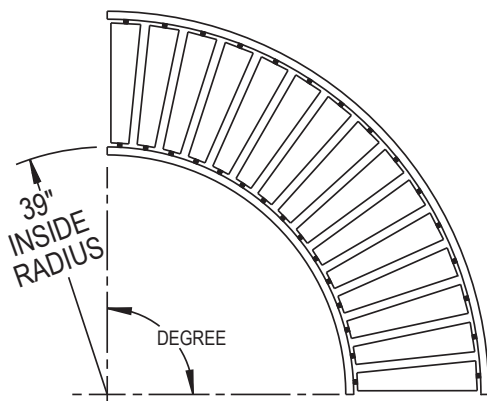
- 12 Widths
- Welded Frame Spacers
- Tapered Rollers Set High

Tapered Roller Curves								
Overall Width	Between Rail Width	90° Curve Number of Rollers	Model No.	Weight (lbs.)	60° Curve Number of Rollers	Model No.	Weight (lbs.)	Tread Roller Taper Dimensions
22 1/4"	19"	14	25SRCT-19-90	234	10	25SRCT-19-60	176	2 1/2" to 3 1/2" 11 Ga.
24 1/4"	21"		25SRCT-21-90	242		25SRCT-21-60	182	
26 1/4"	23"		25SRCT-23-90	300		25SRCT-23-60	225	
28 1/4"	25"		25SRCT-25-90	269		25SRCT-25-60	230	
30 1/4"	27"		25SRCT-27-90	313		25SRCT-27-60	235	2 1/2" to 4" 11 Ga.
34 1/4"	31"		25SRCT-31-90	335		25SRCT-31-60	251	
36 1/4"	33"		25SRCT-33-90	356		25SRCT-33-60	267	2 1/2" to 4 1/2" 11 Ga.
40 1/4"	37"		25SRCT-37-90	427		25SRCT-37-60	320	
42 1/4"	39"		25SRCT-39-90	455		25SRCT-39-60	342	2 1/2" to 5" 11 Ga.
46 1/4"	43"		25SRCT-43-90	504		25SRCT-43-60	378	
50 1/4"	47"		25SRCT-47-90	552		25SRCT-47-60	414	2 1/2" to 5" 11 Ga.
54 1/4"	51"		25SRCT-51-90	600		25SRCT-51-60	450	

Tapered Roller Curves								
Overall Width	Between Rail Width	45° Curve Number of Rollers	Model No.	Weight (lbs.)	30° Curve Number of Rollers	Model No.	Weight (lbs.)	Tread Roller Taper Dimensions
22 1/4"	19"	7	25SRCT-19-45	122	5	25SRCT-19-30	93	2 1/2" to 3 1/2" 11 Ga.
24 1/4"	21"		25SRCT-21-45	126		25SRCT-21-30	102	
26 1/4"	23"		25SRCT-23-45	155		25SRCT-23-30	110	
28 1/4"	25"		25SRCT-25-45	140		25SRCT-25-30	119	
30 1/4"	27"		25SRCT-27-45	162		25SRCT-27-30	128	2 1/2" to 4" 11 Ga.
34 1/4"	31"		25SRCT-31-45	173		25SRCT-31-30	145	
36 1/4"	33"		25SRCT-33-45	183		25SRCT-33-30	153	2 1/2" to 4 1/2" 11 Ga.
40 1/4"	37"		25SRCT-37-45	219		25SRCT-37-30	171	
42 1/4"	39"		25SRCT-39-45	233		25SRCT-39-30	179	2 1/2" to 5" 11 Ga.
46 1/4"	43"		25SRCT-43-45	258		25SRCT-43-30	197	
50 1/4"	47"		25SRCT-47-45	282		25SRCT-47-30	214	2 1/2" to 5" 11 Ga.
54 1/4"	51"		25SRCT-51-45	306		25SRCT-51-30	231	

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

25SRCT



SSRC/SARC/SSRCT

Gravity Roller Curve Conveyor

Gravity Roller Curves add to the versatility of straight conveyors. Curves provide smooth product flow through turns. Curves will convey product with minimum amount of pitch based on weight and size. Guard rails (optional item) may be added for product protection.

- 4 Widths
- Powder-Painted Steel or Aluminum Frames
- Butt Couplings on Bolts Both Ends
- 30, 45, 60, and 90 degree



Straight Roller Curve

Steel Frames

12" Overall Width (36" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRC-12-90	90°	70
SSRC-12-60	60°	52
SSRC-12-45	45°	35
SSRC-12-30	30°	18

Aluminum Frames

12" Overall Width (36" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SARC-12-90	90°	28
SARC-12-60	60°	21
SARC-12-45	45°	14
SARC-12-30	30°	8

Tapered Roller Curve

Steel Frames

12" Overall Width (36" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRCT-12-90	90°	70
SSRCT-12-60	60°	52
SSRCT-12-45	45°	35
SSRCT-12-30	30°	18

15" Overall Width (39" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRC-15-90	90°	75
SSRC-15-60	60°	53
SSRC-15-45	45°	40
SSRC-15-30	30°	22

15" Overall Width (39" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SARC-15-90	90°	31
SARC-15-60	60°	24
SARC-15-45	45°	17
SARC-15-30	30°	10

15" Overall Width (39" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRCT-15-90	90°	75
SSRCT-15-60	60°	53
SSRCT-15-45	45°	40
SSRCT-15-30	30°	22

18" Overall Width (42" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRC-18-90	90°	80
SSRC-18-60	60°	62
SSRC-18-45	45°	44
SSRC-18-30	30°	26

18" Overall Width (42" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SARC-18-90	90°	35
SARC-18-60	60°	27
SARC-18-45	45°	19
SARC-18-30	30°	12

18" Overall Width (42" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRCT-18-90	90°	80
SSRCT-18-60	60°	62
SSRCT-18-45	45°	44
SSRCT-18-30	30°	26

24" Overall Width (48" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRC-24-90	90°	141
SSRC-24-60	60°	108
SSRC-24-45	45°	66
SSRC-24-30	30°	42

24" Overall Width (48" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SARC-24-90	90°	50
SARC-24-60	60°	38
SARC-24-45	45°	26
SARC-24-30	30°	14

24" Overall Width (48" Outside Radius)		
Model No.	Degree	Wgts. (lbs.)
SSRCT-24-90	90°	141
SSRCT-24-60	60°	108
SSRCT-24-45	45°	66
SSRCT-24-30	30°	42

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

SSRC/SARC/SSRCT

Standard Specifications

WIDTHS – 12 in., 15 in., 18 in., and 24 in. overall.

FRAME – 2 1/2 in. deep x 1 in. flange x 12 ga. powder-painted formed steel or 1/8 in. heat-treated aluminum channel with bolt-in cross members.

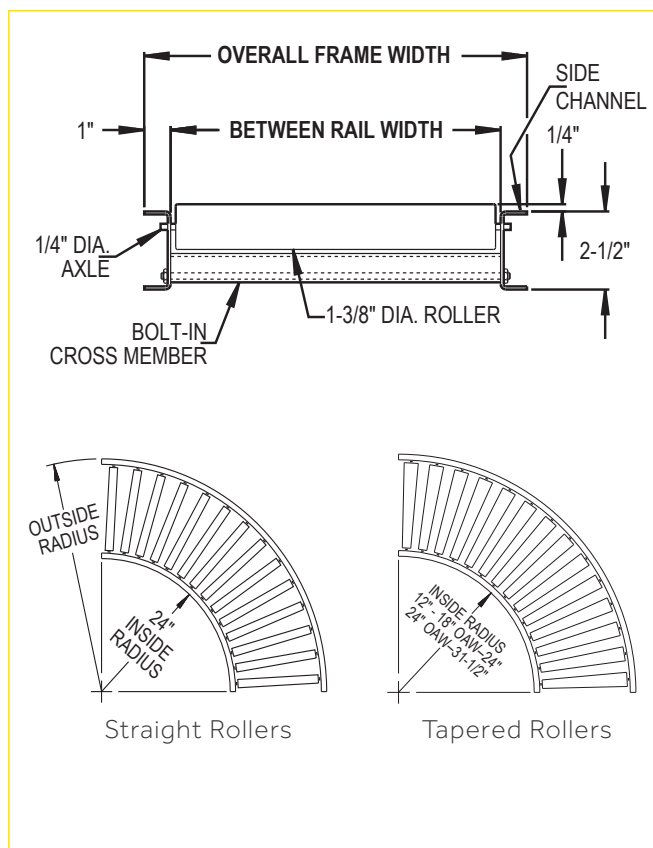
COUPLINGS – Butt couplings on both ends of curve.

CURVES – 30, 45, 60, and 90 degree.

ROLLERS – 1 3/8 in. dia. x 18 ga. galvanized steel or heat-treated aluminum tubes or 1 1/2 in. dia. galvanized tapered tubes. Spring-loaded axle allows roller to be easily removed or inserted. Aluminum tapered tubes available, contact factory.

AXLES – 1/4 in. dia. round.

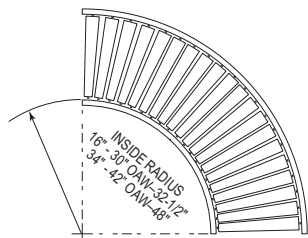
CAPACITY – Same per foot capacity as straight sections. See charts on previous page.



19GRSCT

Heavy-Duty Gravity Roller Curve Conveyor

Gravity Roller Curve Conveyor with either 1.9 in. dia. x tapered galvanized rollers.



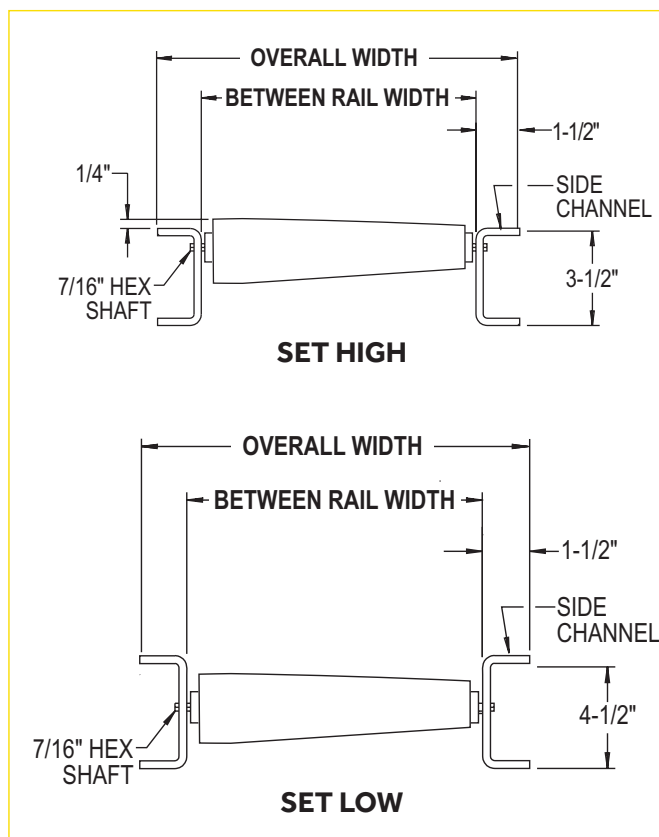
OAW	BR	Inside Radius	Rollers Per Curve 30°	Model No. 19GRSCT Galvanized	Weight (lbs.) 30°
16"	13"	32 1/2"	7	19GRSCT-13-30	34
18"	15"		7	19GRSCT-15-30	37
20"	17"		7	19GRSCT-17-30	40
22"	19"		7	19GRSCT-19-30	44
24"	21"		7	19GRSCT-21-30	48
26"	23"		7	19GRSCT-23-30	51
28"	25"		7	19GRSCT-25-30	56
30"	27"	48"	7	19GRSCT-27-30	58
34"	31"		10	19GRSCT-31-30	102
36"	33"		10	19GRSCT-33-30	105
40"	37"		10	19GRSCT-37-30	115
42"	39"		10	19GRSCT-39-30	118

OAW	BR	Inside Radius	Rollers Per Curve 45°	Model No. 19GRSCT Galvanized	Weight (lbs.) 45°
16"	13"	32 1/2"	10	19GRSCT-13-45	51
18"	15"		10	19GRSCT-15-45	55
20"	17"		10	19GRSCT-17-45	62
22"	19"		10	19GRSCT-19-45	68
24"	21"		10	19GRSCT-21-45	71
26"	23"		10	19GRSCT-23-45	76
28"	25"		10	19GRSCT-25-45	81
30"	27"	48"	10	19GRSCT-27-45	86
34"	31"		16	19GRSCT-31-45	148
36"	33"		16	19GRSCT-33-45	156
40"	37"		16	19GRSCT-37-45	172
42"	39"		16	19GRSCT-39-45	181

OAW	BR	Inside Radius	Rollers Per Curve 60°	Model No. 19GRSCT Galvanized	Weight (lbs.) 60°
16"	13"	32 1/2"	14	19GRSCT-13-60	69
18"	15"		14	19GRSCT-15-60	75
20"	17"		14	19GRSCT-17-60	79
22"	19"		14	19GRSCT-19-60	89
24"	21"		14	19GRSCT-21-60	97
26"	23"		14	19GRSCT-23-60	101
28"	25"		14	19GRSCT-25-60	111
30"	27"	48"	14	19GRSCT-27-60	115
34"	31"		21	19GRSCT-31-60	203
36"	33"		21	19GRSCT-33-60	210
40"	37"		21	19GRSCT-37-60	230
42"	39"		21	19GRSCT-39-60	236

OAW	BR	Inside Radius	Rollers Per Curve 90°	Model No. 19GRSCT Galvanized	Weight (lbs.) 90°
16"	13"	32 1/2"	20	19GRSCT-13-90	103
18"	15"		20	19GRSCT-15-90	112
20"	17"		20	19GRSCT-17-90	119
22"	19"		20	19GRSCT-19-90	133
24"	21"		20	19GRSCT-21-90	145
26"	23"		20	19GRSCT-23-90	152
28"	25"		20	19GRSCT-25-90	167
30"	27"	48"	20	19GRSCT-27-90	173
34"	31"		32	19GRSCT-31-90	305
36"	33"		32	19GRSCT-33-90	315
40"	37"		32	19GRSCT-37-90	345
42"	39"		32	19GRSCT-39-90	355

19GRSCT



Standard Specifications

WIDTHS – Between rail width: 13 in., 15 in., 17 in., 19 in., 21 in., 23 in., 25 in., 27 in., 31 in., 33 in., 37 in., and 39 in.

FRAME – 3 1/2 in. or 4 1/2 in. deep x 1 1/2 in. flange x 10 ga. powder-painted formed steel channel with bolt-in cross members.

BUTT COUPLINGS – Bolt-on type for bolting sections together.

CURVES – 30, 45, 60, and 90 degree. 32 1/2 in. inside radius for widths up to 27 in. and 48 in. inside radius for 31 in. to 39 in. between rail width.

ROLLERS – 19-GSRCT 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized steel tubing. Bearings are grease packed.

AXLES – 7/16 in. hex shaft; spring loaded.

CAPACITY – Same per foot capacity as straight sections. See charts on previous page.

199-CRR

Chain Driven Live Roller Conveyor

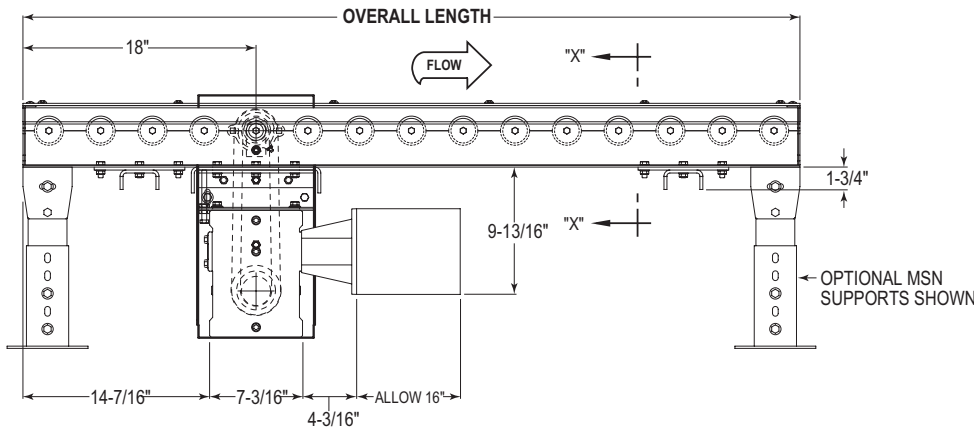
The model 199-CRR is a medium-duty chain driven live roller conveyor. The roll-to-roll chain drive makes this conveyor ideal for light- to medium-duty pallet handling or oily conditions which are not suitable for belt-driven live roller.

- 11 Bed Widths
- Center Drive
- Reversible
- Chain Driven Rollers
- Adjustable MSN-Type Floor Supports Available

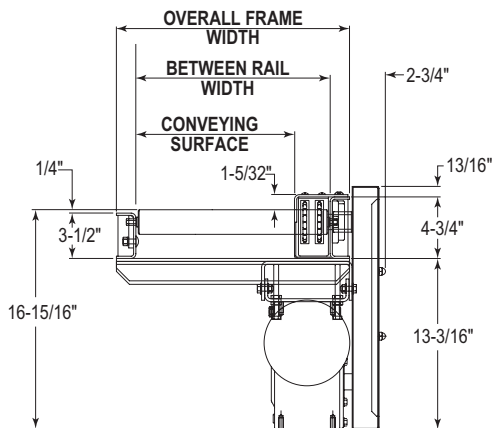


Conveyor shown with optional floor supports.

Conveying Surface	12 1/4"	14 1/4"	16 1/4"	18 1/4"	20 1/4"	22 1/4"	24 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
Base Weight	655	680	705	730	755	780	805	855	880	930	955
Weight (lbs.) Per Foot 4" Roller Centers	51	53	55	57	59	61	63	67	69	72	75
Weight (lbs.) Per Foot 6" Roller Centers	46	47	49	51	52	54	55	59	60	63	65



Chain guard removed to illustrate roll-to-roll drive chain. WARNING: Do not operate conveyor with chain guard removed.



SECTION X-X

Load Capacity Chart @ 35 FPM and 6" Roller Centers								
Overall Width	18" - 28"				30" - 42"			
	25'		50'		25'		50'	
Support Centers	5'	10'	5'	10'	5'	10'	5'	10'
1/2	2250	2250	1250	1250	2000	2000	1000	1000
HP 1	5000	3750	3250	3250	5000	3750	3000	3000
2	6250	3750	7250	7250	6250	3750	7000	7000

199-CRR

Standard Specifications

BED – Roller bed with 1.9 in. x 9 ga. wall unplated tread rollers spaced every 4 in. or 6 in. mounted in 7 ga. powder-painted formed steel channel frame bolted together with butt couplings.

CENTER DRIVE – Mounted underneath bed section.

ROLLER CHAIN – No. 40 roller-to-roller chain.

MOTOR DRIVE CHAIN – No. 60 chain.

CHAIN GUARD – Mounted to top of channel frame to totally enclose drive chain.

BEARINGS – Sealed, pre-lubricated ball bearings on drive roller shaft.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 35 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 150 lbs. with supports on 10 ft. centers, 250 lbs. per ft. with supports on 5 ft. centers and 4 in. roller centers. NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MSN-6 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

SHAFT-MOUNTED DRIVE – Requires shaft-mounted gearmotor. Minimum elevation top of rollers is 6 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

ROLLERS SET LOW – Tread rollers mounted in 4 3/4 in. x 7 ga. formed steel channel frame to form 1 in. high guard rails.

CHAIN CROSSOVER – Move driving chain from one side to opposite side.

GUARD RAILS – Adjustable Universal Channel Guard Rail (both sides), fixed channel (one side), or angle (one side). See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

199-CRRC

Chain Driven Live Roller Curve Conveyor

The 199-CRRC is a chain driven live roller curve that aids in alignment of packages, cartons, etc., through 30-, 45-, 60-, and 90-degree curves. Can be used in conveying oily parts.

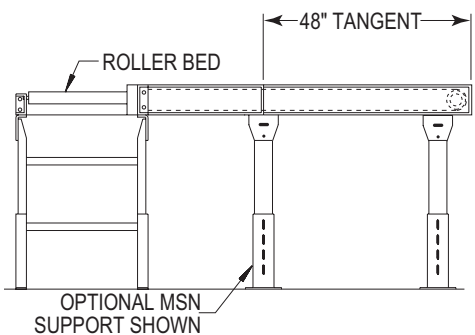
- 11 Bed Widths
- Reversible
- Tapered Tread Rollers
- Can Be Driven from 199-CRR
- Adjustable MSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

Conveying Surface	Between Rail Width	Overall Frame Width	"R"	Number of Rollers				Weights (lbs.)			
				90°	60°	45°	30°	90°	60°	45°	30°
12 1/4"	15"	18"	32 1/2"	14T	10T	6T	4T	390	312	297	282
14 1/4"	17"	20"						400	320	305	290
16 1/4"	19"	22"						410	328	313	298
18 1/4"	21"	24"						420	336	321	306
20 1/4"	23"	26"						430	344	329	314
22 1/4"	25"	28"						440	352	337	322
24 1/4"	27"	30"						450	360	345	330
28 1/4"	31"	34"	48"	20T	16T	10T	6T	480	390	375	365
30 1/4"	33"	36"						560	398	383	373
34 1/4"	37"	40"						530	414	399	389
36 1/4"	39"	42"						540	432	407	397

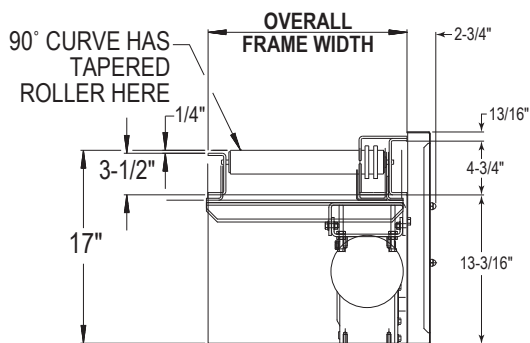
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



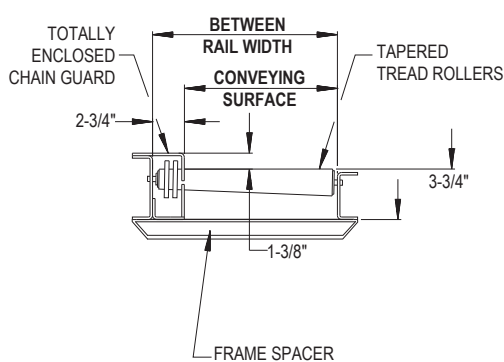
NOTE: SPECIFY RH OR LH CURVE



NOTE: SPECIFY RH OR LH CURVE



SECTION X-X



SECTION Y-Y

199-CRRC

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. unplated rollers mounted in 10 ga. powder-painted formed steel channel frame.

CENTER DRIVE – Located on 4 ft. long straight section.

ROLLER CHAIN – No. 40 circular roller-to-roller chain.

MOTOR DRIVE CHAIN – No. 60 chain.

CHAIN GUARD – Mounted to top of channel frame to totally enclose drive chain.

BEARINGS – Sealed, pre-lubricated ball bearings.

BUTT COUPLINGS – Standard for connecting to 199-CRR.

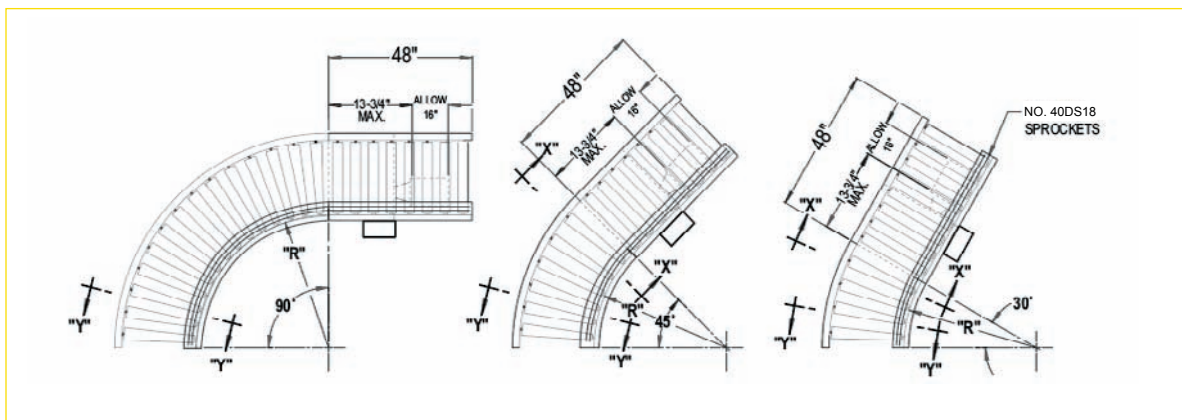
SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 35 FPM.

CAPACITY – 850 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.



Optional Equipment

FLOOR SUPPORTS – MSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MSN-6 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

SHAFT-MOUNTED DRIVE – Requires shaft-mounted gearmotor. Minimum elevation top of rollers 6 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

ROLLERS SET LOW – Tread rollers mounted in 4 3/4 in. x 10 ga. formed steel channel frame to form 1 in. high guard rails.

GUARD RAILS – Adjustable Universal Channel Guard Rail (both sides), fixed channel (one side), or angle (one side). See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 1 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

25-CRR

Chain Driven Live Roller Conveyor

The heavy design of the 25-CRR allows it to be used for conveying higher load capacities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying oily parts in bottling and steel industries.

- 15 Bed Widths
- Center Drive
- Reversible
- Chain Driven Rollers
- Adjustable HSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Conveying Surface	15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width	19"	21"	23"	25"	27"	31"	33"	37"	39"	43"	47"	51"	55"	61"	67"
Overall Frame Width	22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"

*4" Centers 10' OAL Per Foot	No. 40 Chain	722	750	778	806	834	890	918	974	1002	1058	1114	1170	1226	1310	1394
		61	64	67	70	73	79	82	88	91	97	103	109	113	124	133
5" Centers 10' OAL Per Foot	No. 50 Chain	638	666	694	721	749	804	823	887	915	970	1026	1081	1136	1219	1302
		54	57	60	63	66	72	75	81	84	90	96	102	108	117	126
6" Centers 10' OAL Per Foot	No. 60 Chain	582	610	638	666	694	750	778	834	862	918	974	1030	1086	1170	1254
		49	52	55	58	61	67	70	76	79	85	91	97	103	112	121
7 1/2" Centers 10' OAL Per Foot	No. 60 Chain	526	554	582	610	638	694	722	778	806	862	918	974	1030	1114	1198
		46	49	52	55	58	64	67	73	76	82	88	94	100	109	118

Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22"	24"	26"	28"	30"	34"	36"	40"	42"	46"	50"	54"	58"	64"	70"
Overall Frame Width		25 1/4"	27 1/4"	29 1/4"	31 1/4"	33 1/4"	37 1/4"	39 1/4"	43 1/4"	45 1/4"	49 1/4"	53 1/4"	57 1/4"	61 1/4"	67 1/4"	73 1/4"
3 3/4" Centers 10' OAL Per Foot	No. 60 Chain	750	778	806	833	861	916	944	999	1027	1083	1137	1193	1249	1332	1415
		63	68	71	74	77	83	86	92	95	101	107	113	119	128	137

3 in. RC Chain Guard (Both Sides)

Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
Overall Frame Width		25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	37 1/2"	39 1/2"	43 1/2"	45 1/2"	49 1/2"	53 1/2"	57 1/2"	61 1/2"	67 1/2"	73 1/2"
3" Centers 10' OAL	No. 60 Chain	862	890	918	946	974	1030	1058	1114	1142	1198	1254	1310	1366	1450	1534
Per Foot		72	75	78	81	84	90	93	99	102	108	114	120	126	135	144

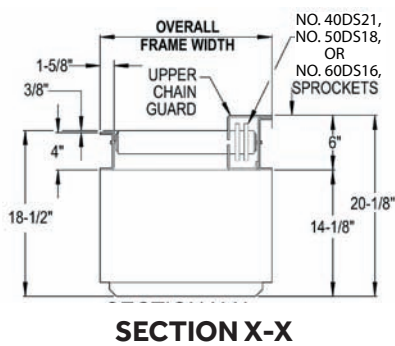
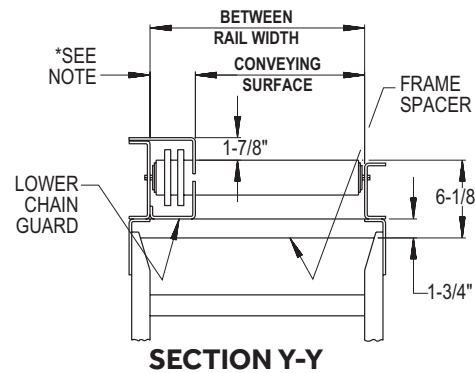
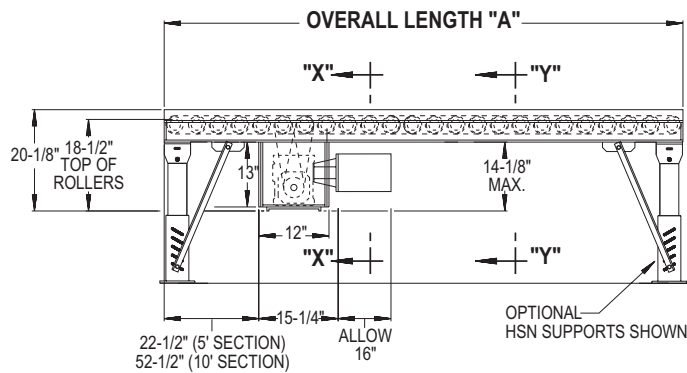
3 in. RC Chain Guard (One Side)

Conveying Surface		17 3/4"	19 3/4"	21 3/4"	23 3/4"	25 3/4"	29 3/4"	31 3/4"	35 3/4"	37 3/4"	41 3/4"	45 3/4"	53 3/4"	59 3/4"	63 3/4"	65 3/4"
Between Rail Width		22"	24"	26"	28"	30"	34"	36"	40"	42"	46"	50"	58"	64"	68"	70"
Overall Frame Width		25 1/4"	27 1/4"	29 1/4"	31 1/4"	33 1/4"	37 1/4"	39 1/4"	43 1/4"	45 1/4"	49 1/4"	53 1/4"	61 1/4"	69 1/4"	71 1/4"	73 1/4"
3" Centers 10' OAL	No. 40 Chain	750	778	806	833	861	916	944	999	1027	1083	1137	1193	1249	1332	1415
Per Foot		63	68	71	74	77	83	86	92	95	101	107	113	119	128	137

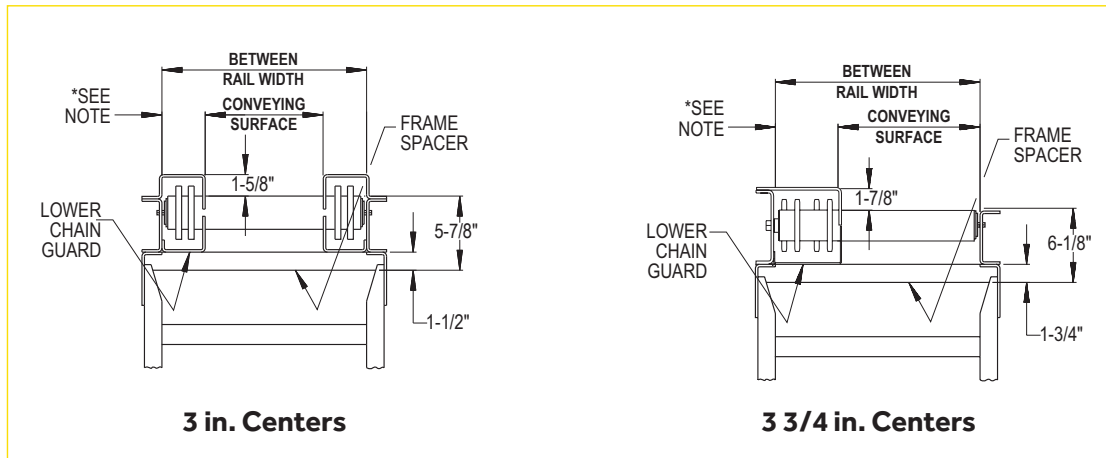
All weights in catalog are conveyor weights only. Accessories, crating, etc. are not included.

Note: Add 1 3/8 in. to OAL for chain guard end caps on 4 in. centers only. For 3 in. RC Chain Guard (both sides), add 3 in. to OAL for chain guard end caps. #40 chain reduces total conveyor capacity. Consult factory.

25-CRR



25-CRR



***Note:**

3 1/4 in. for 4 in., 5 in., 6 in., and 7 1/2 in. centers.
 6 1/2 in. for 3 3/4 in. centers only.
 3 1/4 in. on both sides for 3 in. centers.

Load Capacity Chart @ 30 FPM

Total Load (lbs.)

HP	Up to 50'	Up to 100'
1	9000	6000
2	22000	18000

Note: Capacities are calculated on 5 in. roller centers with #50 Chain.

25-CRR

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated tread rollers spaced every 4 in. with No. 40 roller chain; 5 in. with No. 50 roller chain. No. 60 roller chain used on 3 in., 3 3/4 in., 6 in., and 7 1/2 in. roller centers only. No. 40 chain used on 3 in. with chain guard on one side. Tread rollers mounted in 4 in. x 4 ga. powder-painted formed steel channel on side opposite chain guard and 6 in. x 4 ga. powder-painted formed steel channel on chain guard side.

CENTER DRIVE – Can be placed in any section of conveyor length, specify. Chain guard located on left hand side.

DRIVE CHAIN – No. 40, 50, or 60 roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 300 lbs. with supports on 10 ft. centers, 1000 lbs. with supports on 5 ft. centers. Contact factory for capacity of No. 40 chain, 4 in. roller centers. NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. V-belt supplied on speeds under 12 FPM (1 HP). Note: Capacity affected with speed change.

TOP SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor with drive chain through top of chain guard. Specify clearances. Minimum elevation to top of rollers is 6 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

SHAFT-MOUNTED DRIVE – Mounted to side of conveyor complete with torque arm. Minimum elevation to top of rollers is 6 1/2 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

FRAME – 6 in. x 8.2 lb. channel on the chain guard side and 4 in. x 5.4 lb. channel on the opposite side.

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top flange of channel opposite chain guard.

CHANNEL END STOP – 6 in. x 8.2 lb. structural channel end stop.

ROLLERS SET LOW – Tread rollers mounted in 6 in. x 4 ga. formed steel channel frame to form 1 5/8 in. high guard rails.

CHAIN CROSSOVER – Separate 3-roller section moves driving chain from one side of conveyor to the other. Offset-style adds 9 in. with 3 in. roller centers, 12 in. to OAL of conveyor with 4 in. roller centers, 15 in. with 5 in. roller centers, and 18 in. with 6 in. roller centers.

TRANSFERS – Chain transfers available. See Accessory section.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starter with push-button stations. AC variable frequency drive.

26-CRR

Chain Driven Live Roller Conveyor

The heavy design of the 26-CRR allows it to be used for conveying higher load capacities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying oily parts in bottling and steel industries.

- 15 Bed Widths
- Center Drive
- Reversible
- Chain Driven Rollers
- Adjustable HSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

4 in., 5 in., 6 in., and 7 1/2 in., Roller Centers.																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		19"	21"	23"	25"	27"	31"	33"	37"	39"	43"	47"	51"	55"	61"	67"
Overall Frame Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
*4" Centers 10' OAL	No. 40 Chain	808	845	882	919	956	1030	1067	1141	1178	1252	1326	1400	1474	1585	1696
		73	77	81	85	89	97	101	109	113	121	129	137	145	157	169
5" Centers 10' OAL	No. 50 Chain	707	742	777	812	847	917	952	1022	1057	1127	1197	1267	1337	1442	1547
		65	69	73	77	81	89	93	101	105	113	121	129	137	149	161
6" Centers 10' OAL	No. 60 Chain	639	673	707	741	775	843	877	945	979	1047	1115	1183	1251	1353	1455
		59	62	65	68	71	77	80	86	89	95	101	107	113	122	131
7 1/2" Centers 10' OAL	No. 60 Chain	572	605	638	671	704	770	803	869	902	968	1034	1100	1166	1265	1364
		55	59	61	64	67	73	76	82	85	91	97	103	109	118	127
3 in. Roller Centers.																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
Overall Frame Width		25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	37 1/2"	39 1/2"	43 1/2"	45 1/2"	49 1/2"	53 1/2"	57 1/2"	61 1/2"	67 1/2"	73 1/2"
3" Centers 10' OAL	No. 60 Chain	976	1016	1056	1096	1136	1216	1256	1336	1376	1456	1536	1616	1696	1816	1936
		87	90	93	96	99	103	108	114	117	123	129	135	141	150	159
3 3/4 in. Roller Centers.																
Conveying Surface		15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width		22"	24"	26"	28"	30"	34"	36"	40"	42"	46"	50"	54"	58"	64"	70"
Overall Frame Width		25 1/4"	27 1/4"	29 1/4"	31 1/4"	33 1/4"	37 1/4"	39 1/4"	43 1/4"	45 1/4"	49 1/4"	53 1/4"	57 1/4"	61 1/4"	67 1/4"	73 1/4"
3 3/4" Centers 10' OAL	No. 60 Chain	839	879	919	959	999	1079	1119	1199	1239	1319	1399	1479	1559	1629	1799
		78	81	84	87	90	96	99	105	108	114	120	126	132	141	150

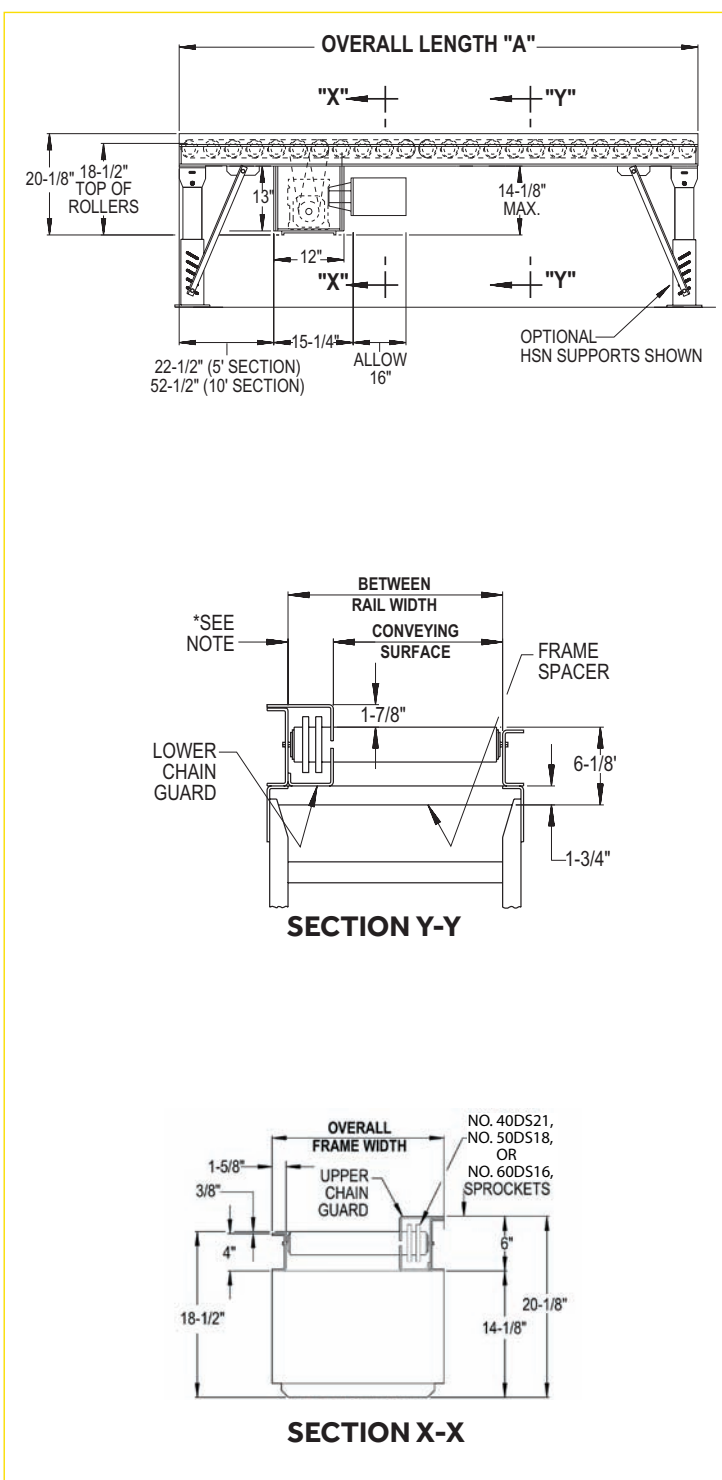
All weights in catalog are conveyor weights only. Accessories, crating, etc. are not included.

Note: Add 1 3/8 in. to OAL for chain guard end caps on 4 in. centers only.

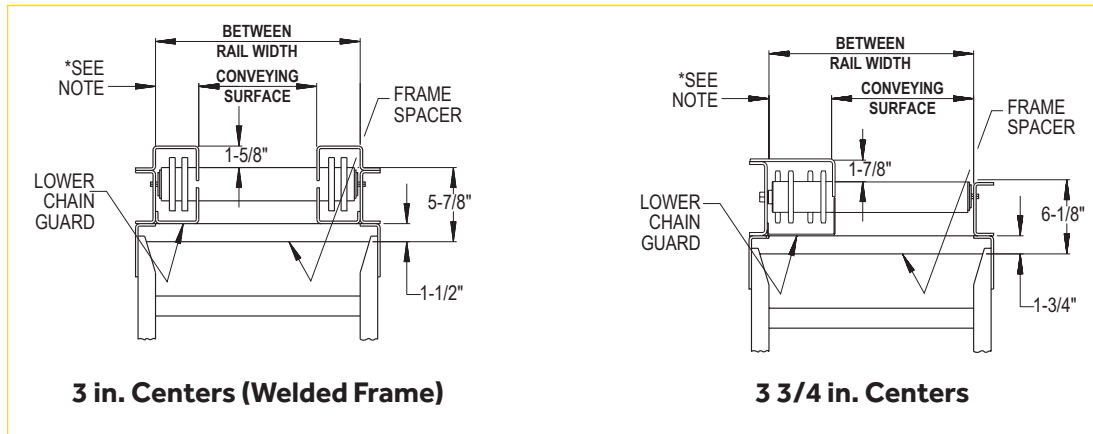
Note: Add 3 in. to OAL for chain guard end caps on 3 in. roller centers only.

*#40 chain reduces total conveyor capacity. Consult factory.

26-CRR



26-CRR



***Note:**

3 1/4 in. for 4 in., 5 in., 6 in., and 7 1/2 in. centers.
 6 1/2 in. for 3 3/4 in. centers only.
 3 1/4 in. on both sides for 3 in. centers.

Load Capacity Chart @ 30 FPM

Total Load (lbs.)

HP	Up to 50'	Up to 100'
1	9000	6000
2	22000	18000

Note: Capacities are calculated on 5 in. roller centers with #50 Chain.

26-CRR

Standard Specifications

BED – Roller bed with 2 5/8 in. dia. x 7 ga. unplated tread rollers spaced every 4 in. with No. 40 roller chain; 5 in. with No. 50 roller chain. No. 60 roller chain used on 3 in., 3 3/4 in., 6 in., and 7 1/2 in. roller centers only. Tread rollers mounted in 4 in. x 4 ga. powder-painted formed steel channel on side opposite chain guard and 6 in. x 4 ga. powder-painted formed steel channel on chain guard side. Note: 3 in. roller center tread rollers mounted in 4 in. channel each side.

CENTER DRIVE – Can be placed in any section of conveyor length; specify. Chain guard located on left hand side.

DRIVE CHAIN – No. 40, 50, or 60 roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor 300 lbs. with supports on 10 ft. centers, 1000 lbs. with supports on 5 ft. centers. Contact factory for capacity of No. 40 chain, 4 in. roller centers. NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. V-belt supplied on speeds under 12 FPM (1 HP). Note: Capacity affected with speed change.

TOP SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor with drive chain through top of chain guard. Specify clearances. Minimum elevation to top of rollers is 6 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

SHAFT-MOUNTED DRIVE – Mounted to side of conveyor complete with torque arm. Minimum elevation to top of rollers is 6 1/2 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

FRAME – 4 in. x 5.4 lb. structural channel (welded).

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top flange of channel opposite chain guard.

CHANNEL END STOP – 6 in. x 8.2 lb. structural channel end stop.

ROLLERS SET LOW – Tread rollers mounted in 6 in. x 4 ga. formed steel channel frame to form 1 5/8 in. high guard rails. Also available in 5 in. x 6.7 lbs. structural channel frame (welded). Specify.

CHAIN CROSSOVER – Separate 3-roller section moves driving chain from one side of conveyor to other. Offset-style adds 12 in. to OAL of conveyor with No. 40 chain, 15 in. with No. 50 chain, and 18 in. with No. 60 chain.

TRANSFERS – Chain transfers available. See Accessory section.

MOTOR – Single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starter with push-button stations. AC variable frequency drive.

25/26-CRRC

Chain Driven Live Roller Conveyor

The model 25/26-CRRC is a heavy-duty, chain driven roller curve conveyor commonly used in conjunction with the 25/26-CRR conveyor to carry heavy unit loads such as drums. Can be used in industries like bottling and steel manufacturing. Product orientation could be affected with straight roller curves.

- 16 Widths
- Reversible
- Chain Driven Rollers
- Can Be Driven from 25-CRR
- Adjustable HSN-Type Floor Supports Available



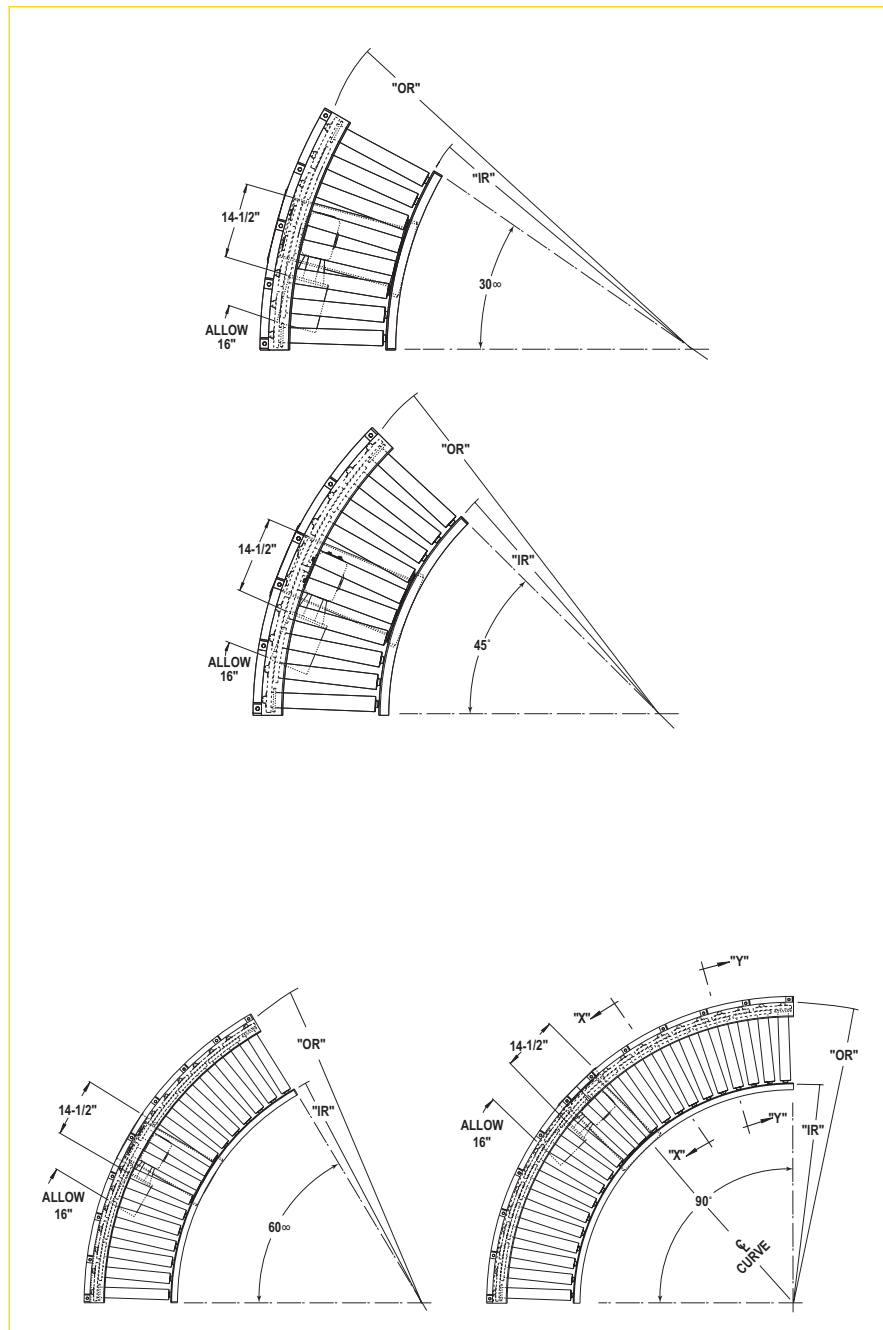
Conveyor shown with optional floor supports.

Conveying Surface Width	Between Rail Width	Overall Bed Width	Outside Radius				Inside Radius				No. of Rollers				Weights			
			30°	45°	60°	90°	30°	45°	60°	90°	30°	45°	60°	90°	30°	45°	60°	90°
15 3/4"	19"	22 1/4"					58 3/4"	46 1/8"	58 7/8"	52 1/2"					364	403	503	607
17 3/4"	21"	24 1/4"					56 3/4"	44 1/8"	56 7/8"	50 1/2"					374	414	517	628
19 3/4"	23"	26 1/4"	77 3/4"	65 1/8"	77 7/8"	71 1/2"	54 3/4"	42 1/8"	54 7/8"	48 1/2"	8	10	16	22	384	425	532	648
21 3/4"	25"	28 1/4"					52 3/4"	40 1/8"	52 7/8"	46 1/2"					393	436	547	669
23 3/4"	27"	30 1/4"					50 3/4"	38 1/8"	50 7/8"	44 1/2"					403	447	562	689
27 3/4"	31"	34 1/4"					79 1/2"	71 1/2"	67 3/4"	64"					478	567	657	858
29 3/4"	33"	36 1/4"					77 1/2"	69 1/2"	65 3/4"	62"					489	581	674	881
33 3/4"	37"	40 1/4"					73 1/2"	65 1/2"	61 3/4"	58"					512	609	707	928
35 3/4"	39"	42 1/4"	110"	102 1/2"	98 3/4"	95"	71 1/2"	63 1/2"	59 3/4"	56"					523	523	724	952
39 3/4"	43"	46 1/4"					67 1/2"	59 1/2"	55 3/4"	52"					546	651	757	999
43 3/4"	47"	50 1/4"					63 1/2"	55 1/2"	51 3/4"	48"	10	14	18	*26	568	679	790	1046
47 3/4"	51"	54 1/4"					59 1/2"	51 1/2"	47 3/4"	44"					590	707	824	1092
49 3/4"	53"	56 1/4"					67 1/2"	59 1/2"	55 3/4"	52"					612	735	852	1137
51 3/4"	55"	58 1/4"	120"	112 1/2"	108 3/4"	105"	65 1/2"	57 1/2"	53 3/4"	50"					634	763	880	1182
53 3/4"	57"	60 1/4"					63 1/2"	55 1/2"	51 3/4"	48"					656	791	908	1227
55 3/4"	59"	62 1/4"					61 1/2"	53 1/2"	49 3/4"	46"					678	819	936	1272

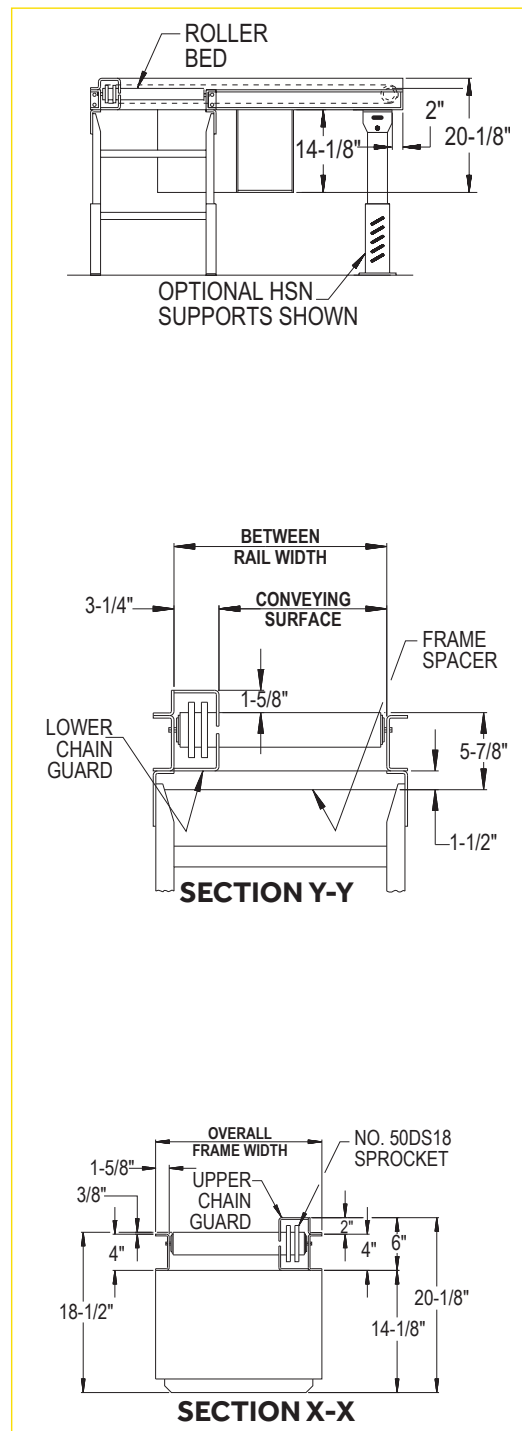
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

*Note: Add 25 percent for 26 rollers.

25/26-CRRC



25/26-CRRC



25/26-CRRC

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated rollers mounted in 4 in. x 4 ga. powder-painted formed steel channel frame.

DRIVE – Mounted underneath, placed near center of conveyor.

DRIVE CHAIN – No. 50 circular roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

BUTT COUPLINGS – Standard for connecting to 25-CRR, 2 1/2 in. dia. or 2 5/8 in. dia. gravity roller conveyor.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – 4000 lbs. total distributed live load at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. V-belt drive supplied on speeds under 12 FPM (1 HP). Note: Capacity affected with speed change.

TOP SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor with drive chain through top of chain guard. Specify clearances. Minimum elevation to top of rollers is 6 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

FRAME – 4 in. x 5.4 lb. structural channel.

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top of flange of channel opposite chain guard.

ROLLERS SET LOW – Use angle guard rail.

TREAD ROLLERS – 2 5/8 in. dia. x 7 ga. steel, 11/16 in. hex spring-loaded shaft (26-CRRC).

MOTOR – Single phase, brakemotor, other characteristics. 1 HP maximum.

TANGENTS – Lengths available on 5 in. increments (5 in. roller centers) up to 45 in. OAL. Other roller centers and lengths available (jackshaft required). Contact factory.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

25-CRRCT

Chain Driven Live Tapered Roller Curve Conveyor

The model 25-CRRCT is a heavy-duty, chain driven live roller curve conveyor. It is commonly used in conjunction with the 25-CRR conveyor to carry heavy unit loads such as pallets and drums.

- 16 Widths
- Reversible
- Chain Driven Rollers
- Adjustable HSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

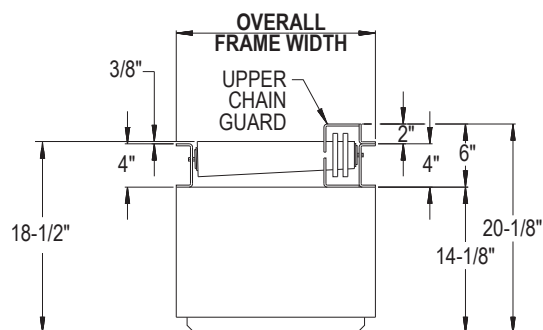
Conveying Surface Width	Between Rail Width	Overall Frame Width	Outside Radius "OR"	Weights (lbs.)				Tread Roller Taper Dimensions
				90°	60°	45°	30°	
15 3/4"	19"	22 1/4"	58"	604	553	502	412	2 1/2" to 3 1/2" 11 Ga.
17 3/4"	21"	24 1/4"	60"	626	572	519	421	
19 3/4"	23"	26 1/4"	62"	647	592	535	435	
21 3/4"	25"	28 1/4"	64"	668	611	551	446	
23 3/4"	27"	30 1/4"	66"	689	630	567	464	2 1/2" to 4" 11 Ga.
27 3/4"	31"	34 1/4"	70"	732	669	600	485	
29 3/4"	33"	36 1/4"	72"	753	688	616	499	
33 3/4"	37"	40 1/4"	76"	796	729	648	533	2 1/2" to 4 1/2" 11 Ga.
35 3/4"	39"	42 1/4"	78"	817	747	664	550	
39 3/4"	43"	46 1/4"	82"	859	777	697	579	
43 3/4"	47"	50 1/4"	86"	902	825	729	608	2 1/2" to 5" 11 Ga.
47 3/4"	51"	54 1/4"	90"	944	863	761	637	
51 3/4"	55"	58 1/4"	94"	986	921	793	666	
57 3/4"	61"	64 1/4"	100"	1070	979	857	724	
63 3/4"	67"	70 1/4"	106"	1133	1036	905	768	

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

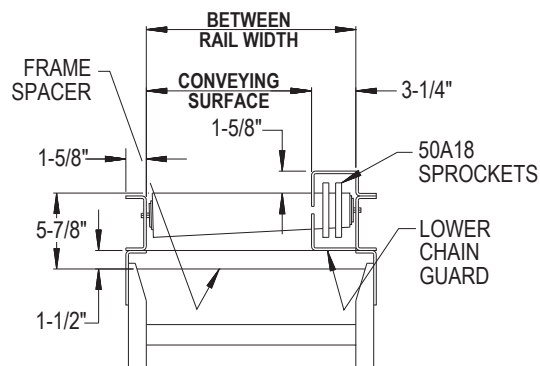
No. of Rollers			
90°	60°	45°	30°

14 Tapered	11 Tapered 5 Straight	7 Tapered 5 Straight	4 Tapered 5 Straight
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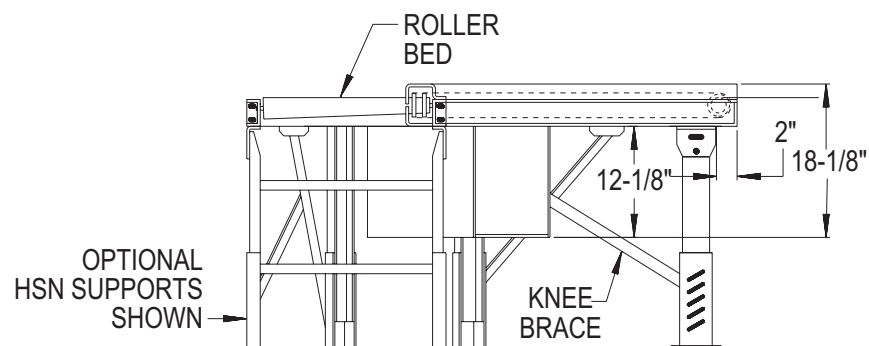
25-CRRCT



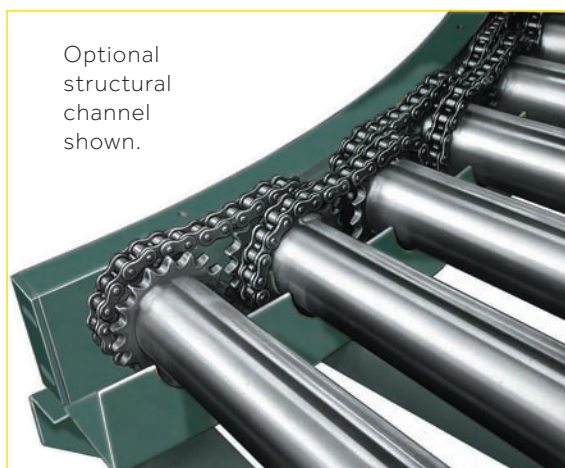
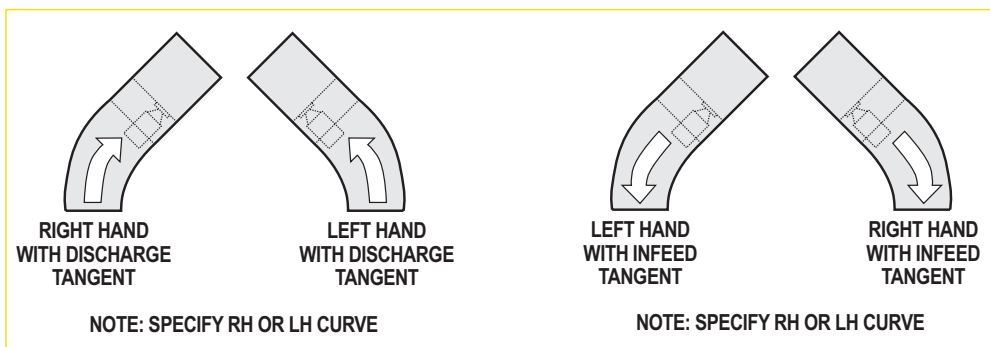
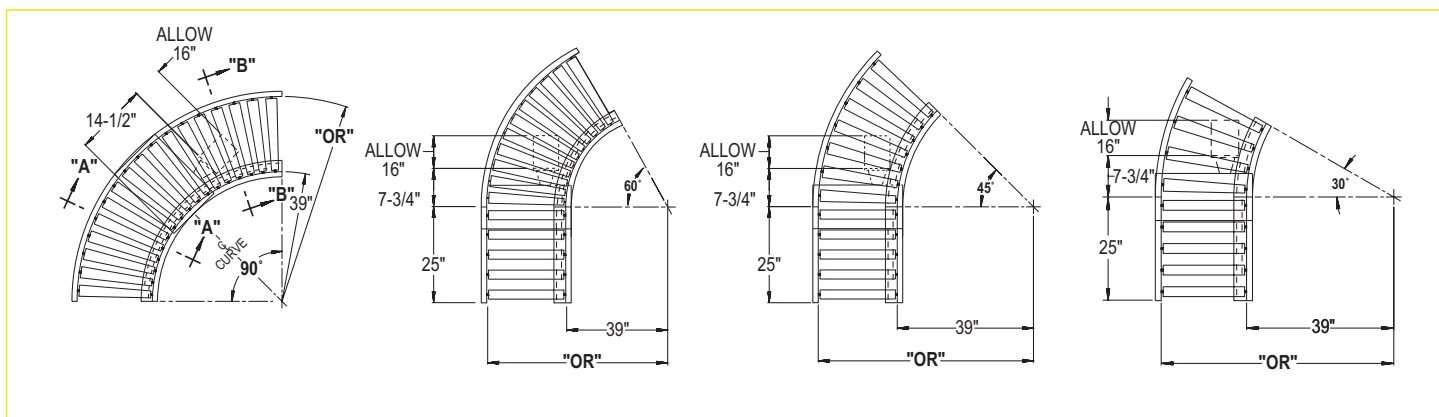
SECTION A-A



SECTION B-B



25-CRRCT



Chain roll-to-roll design provides positive drive of tapered tread rollers. Chain guard removed to illustrate roll-to-roll drive chain.
WARNING: Do not operate conveyor with chain guard removed.

25-CRRCT

Standard Specifications

BED – Roller bed with unplated tread rollers mounted in 4 in. x 4 ga. powder-painted formed steel frame. See dimension chart for roller details.

CENTER DRIVE – Mounted underneath bed section.

DRIVE CHAIN – No. 50 circular roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

BUTT COUPLINGS – Standard for connecting to 25-CRR, 2 1/2 in. dia. or 2 5/8 in. dia. gravity roller conveyor.

SPEED REDUCTION – Sealed worm gear C-face speed reducer.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Premium Energy Efficient C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – 4000 lbs. total distributed live load at 30 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.

TANGENTS – 25 in. long tangent on 30-, 45-, and 60-degree curves.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. V-belt drive supplied under 12 FPM (1 HP). Note: Capacity affected with speed change.

TOP SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor with drive chain through top of chain guard. Specify clearances. Minimum elevation to top of rollers is 6 1/2 in.

V-BELT DRIVE – V-belt supplied between motor and reducer.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

FRAME – 4 in. x 5.4 lb. structural channel.

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top flange of channel opposite chain guard.

MOTOR – Single phase, brakemotor, other characteristics. 1 HP maximum.

SLAVE DRIVEN – Requires jackshaft.

TANGENTS – Lengths available on 5 in. increments (5 in. roller centers) up to 45 in. OAL. Other roller centers and lengths available (jackshaft required). Contact factory.

ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

36-CRRH

Heavy-Duty Chain Driven Live Roller with Hex Shaft

The model 36-CRRH is a heavy-duty, chain driven roller conveyor. Its tough, rugged design allows it to provide service under demanding manufacturing operations. Use the 36-CRRH for conveying heavy pallets and drums.

- 12 Bed Widths
- Center Drive
- Energy Efficient Motor w/ AC Variable Speed Controller
- Reversible
- Chain Driven Rollers
- Fixed HSF-Type Floor Supports Available



Conveyor shown with optional floor supports.

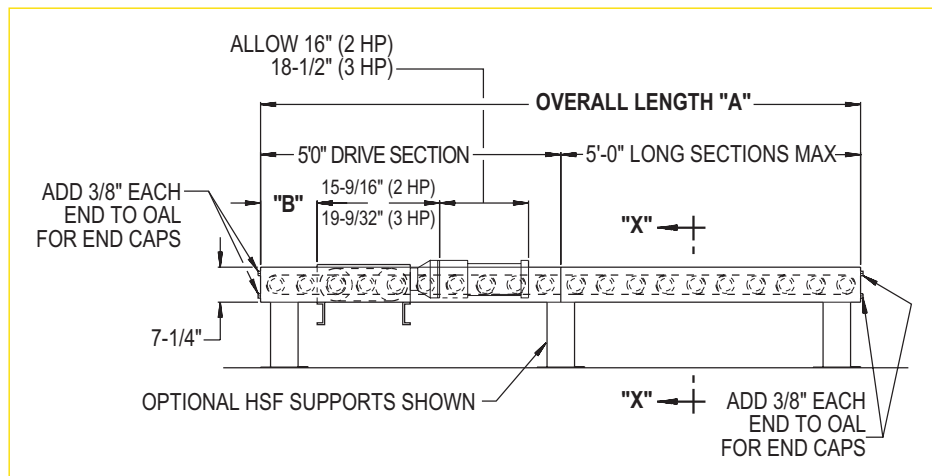
TECHNICAL MANUAL

Size to Order Overall Length "A"	Conveying Surface	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	41 3/4"	47 3/4"	53 3/4"	55 3/4"	63 3/4"
	Between Rail Width	23"	25"	27"	31"	33"	37"	39"	45"	51"	57"	59"	67"
	Overall Frame Width	26 27/32"	28 27/32"	30 27/32"	34 27/32"	36 27/32"	40 27/32"	42 27/32"	48 27/32"	54 27/32"	60 27/32"	62 27/32"	70 27/32"
10' (lbs.)	6" R/C	1284	1336	1387	1490	1541	1644	1695	1849	2003	2157	2208	2412
Per Foot (lbs.)		99	103	107	115	119	127	131	143	155	167	186	206
10' (lbs.)	12" R/C	1044	1076	1108	1172	1204	1268	1300	1396	1492	1588	1620	1748
Per Foot (lbs.)		75	78	81	87	90	96	99	108	117	126	129	141

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Load Capacity Chart @ 30 FPM									
HP	Overall Frame Width 26 27/32" to 30 27/32"			Overall Frame Width 34 27/32" to 42 27/32"			Overall Frame Width 48 27/32" to 62 27/32"		
	Total Load (lbs.)			Total Load (lbs.)			Total Load (lbs.)		
	Up to 30'	Up to 60'	Up to 90'	Up to 30'	Up to 60'	Up to 90'	Up to 30'	Up to 60'	Up to 90'
2	21000	19200	17400	20400	18000	15600	19400	16000	12500
3	27000	25200	23400	26400	24000	21600	25400	22000	18500

Note: Capacities based on Hytrol-supplied chain.



36-CRRH

Standard Specifications

BED – Roller bed with 3 1/2 in. x .300 in. wall unplated tread rollers with 1 1/16 in. hex shaft spaced every 6 in. or 12 in. Mounted in 5 ft. long powder-painted structural steel channel frame bolted together with butt couplings.

CENTER DRIVE – Mounted to 5 ft. long section near center of conveyor. Chain guard located on left hand side.

DRIVE CHAIN – No. 60 roller chain.

CHAIN GUARD – Formed steel; upper and lower chain guard mounted to top and bottom of channel frame to totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

SPEED REDUCTION – Heavy-duty sealed worm gear C-face speed reducer. No. 80 roller chain to drive shaft.

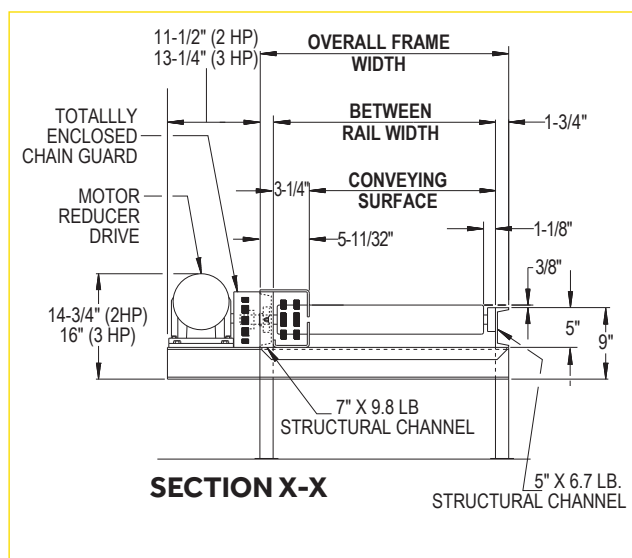
MOTOR – 2 HP, 230/460V, 3 Ph. 60 Hz. Energy Efficient C-face motor and AC Variable Speed controller with softstart capability.

CONVEYING SPEED – Variable 3 to 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor 2000 lbs. with supports on 5 ft. centers. NOT TO EXCEED CAPACITY IN CHART.

FLOOR SUPPORTS – Supplied as optional equipment.

Roller Centers	"B"
6"	22 3/4"
12"	25 3/4"



Optional Equipment

FLOOR SUPPORTS – HSF Type floor supports are available with fixed elevation. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSF-6 support.

CONVEYING SPEED – Other constant and variable

speeds. Note: Capacity affected with speed change. Contact factory.

MOTOR – 3 HP maximum.

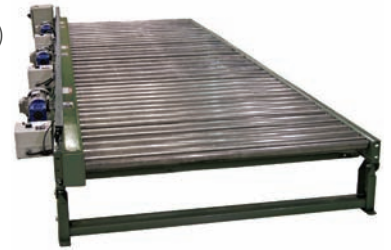
ELECTRICAL CONTROLS – Push-button stations.

199-CREZD

Accumulating Roller Conveyor

The model 199-CREZD is a chain driven live roller conveyor designed for zero-pressure accumulation of products. This conveyor is designed to handle cartons or pallets in conditions that may not be suitable for belt-driven rollers. Products may be accumulated in zones and released upon request.

- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Chain Driven Rollers
- Shaft-Mounted Drive
- Adjustable MSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

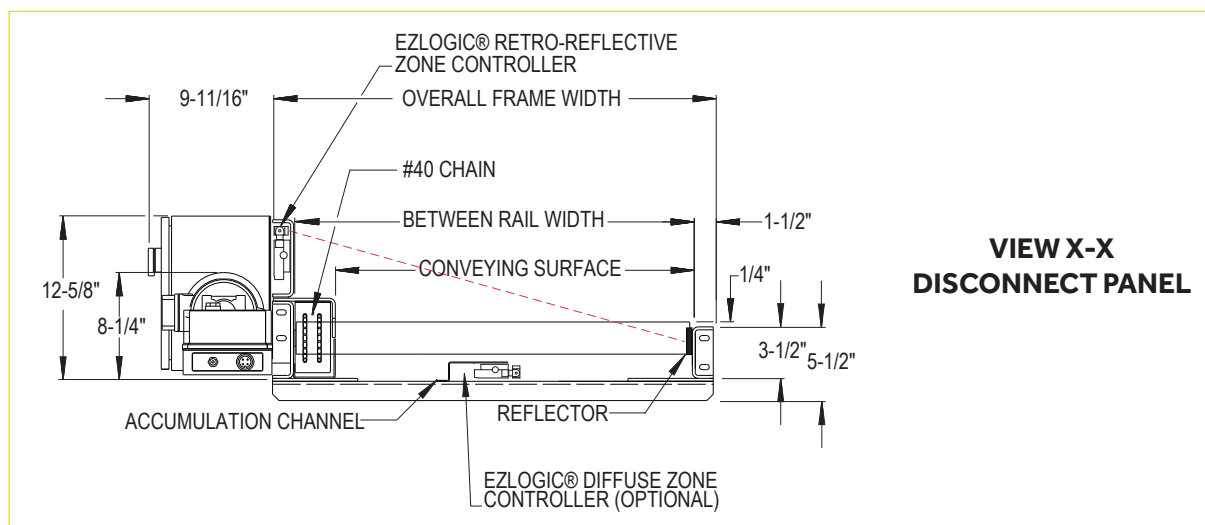
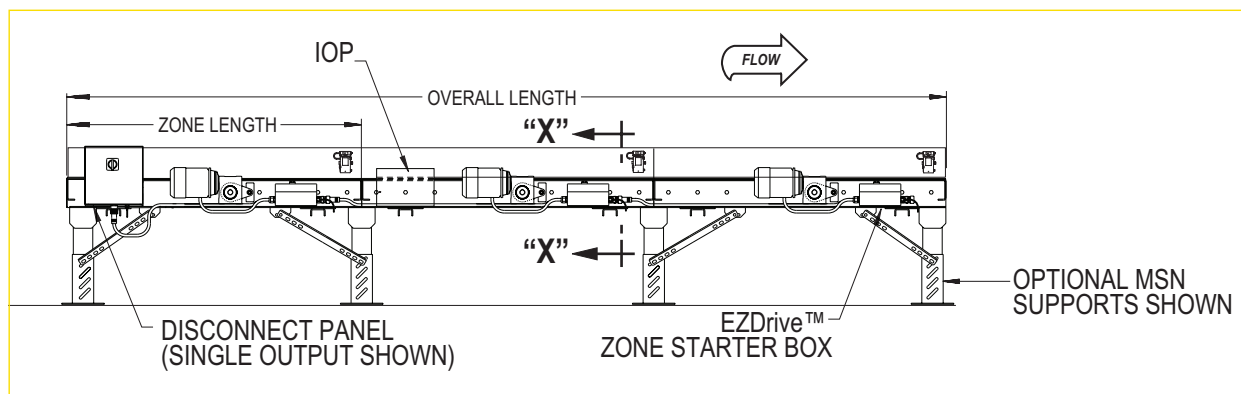
TECHNICAL MANUAL

Conveying Surface	12 1/4"	14 1/4"	16 1/4"	18 1/4"	20 1/4"	22 1/4"	24 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
Weight (lbs.) Per Foot 4" Roller Centers	51	53	55	57	59	61	63	67	69	73	75
Weight (lbs.) Per Foot 6" Roller Centers	46	48	50	52	54	56	58	62	64	66	68

Total Weight = (Number of Zones x 30) + (OAL x Weight Per Foot)

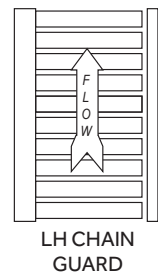
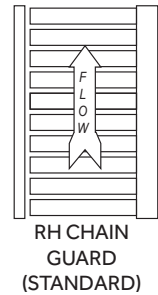
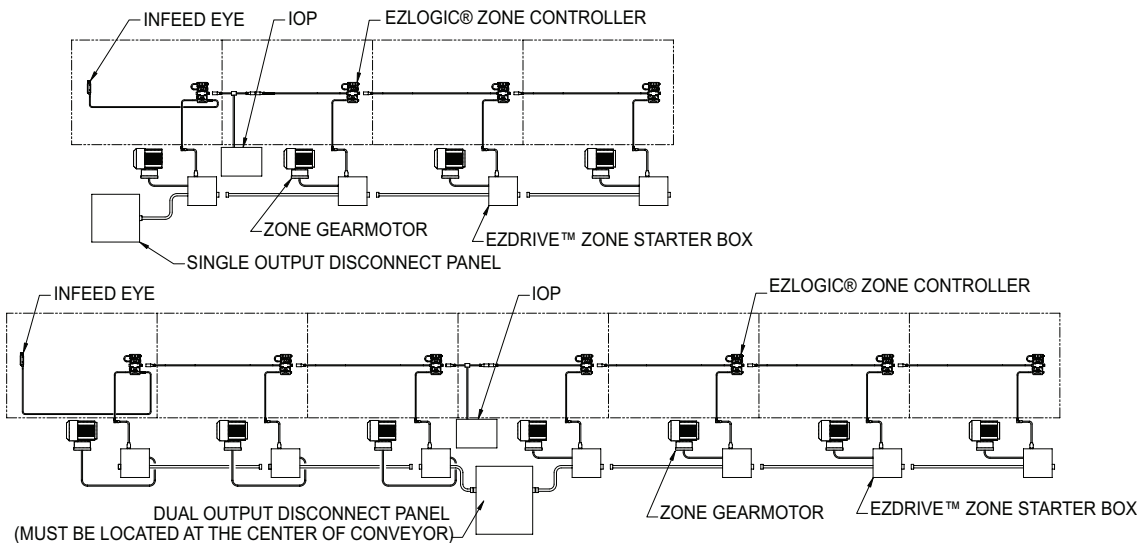
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

199-CREZD



199-CREZD

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.



EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

199-CREZD

Standard Specifications

BED – Roller bed with 1.9 in. dia. x 9 ga. unplated rollers spaced every 4 or 6 in. Tread rollers mounted in 3 1/2 in. x 7 ga. formed channel on side opposite chain guard and 4 3/4 in. x 7 ga. formed channel on chain guard side. Bolted together with butt couplings.

DRIVE CHAIN – No. 40 roller-to-roller.

CHAIN GUARD – Formed steel guards totally enclose drive chains.

EZDRIVE® SYSTEM – Shaft mounted gearmotor located near center of each zone. 1/3 HP, 3 Ph, 60 Hz. Totally enclosed fan cooled. 230/460 V (specify voltage). Includes EZDrive® Disconnect Panel. Power is distributed zone-to-zone through pluggable cordsets. Power is connected from the starter box to the motor via SO type cord. Please contact factory if local code requires other than the standard power distribution techniques described.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 6 in. centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Should be located near disconnect panel. See chart for maximum quantity of zones. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Constant 35 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 150 lbs. with supports on 10 ft. centers, 250 lbs. per ft. with supports on 5 ft. centers. Not to exceed 1300 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

	230V	460V
Disconnect Panel	3 Ph. 60 Hz	3 Ph. 60 Hz
Single Output	1-8 Zones	1-15 Zones
Dual Output	9-16 Zones	16-22 Zones

Optional Equipment

FLOOR SUPPORTS – MSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MSN-6 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

ROLLERS SET LOW – Tread rollers mounted in 4 3/4 in. x 7 ga. formed steel channel frame to form 1 1/4 in. high guard rails.

GUARD RAILS – Adjustable Universal Channel Guard Rail (both sides), fixed channel (one side), or angle (one side).

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

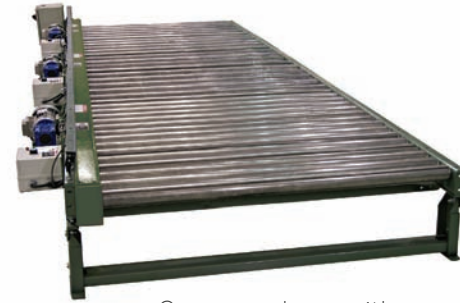
EZLOGIC® – See EZLogic® Components Page.

25-CREZD

Heavy-Duty Accumulating Roller Conveyor

The model 25-CREZD is a chain driven live roller conveyor designed for zero-pressure accumulation of products. This conveyor is designed to handle loads such as pallets, drums, containers, etc. Products may be accumulated in zones and released upon request.

- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Chain Driven Rollers
- Shaft-Mounted Drive
- Adjustable HSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

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OAW – 4 in., 5 in., and 6 in. Roller Centers

Conveying Surface	27 3/4"	29 3/4"	31 3/4"	33 3/4"	35 3/4"	37 3/4"	39 3/4"	41 3/4"	43 3/4"	45 3/4"	47 3/4"	49 3/4"	51 3/4"	53 3/4"	55 3/4"	57 3/4"	59 3/4"	61 3/4"	63 3/4"
Between Rail Width	31"	33"	35"	37"	39"	41"	43"	45"	47"	49"	51"	53"	55"	57"	59"	61"	63"	65"	67"
Overall Frame Width	34 1/4"	36 1/4"	38 1/4"	40 1/4"	42 1/4"	44 1/4"	46 1/4"	48 1/4"	50 1/4"	52 1/4"	54 1/4"	56 1/4"	58 1/4"	60 1/4"	62 1/4"	64 1/4"	66 1/4"	68 1/4"	70 1/4"
Weight Per Foot 4" Centers	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199
Weight Per Foot 5" Centers	97	100	103	106	109	112	115	118	121	124	127	130	133	136	139	142	145	148	151
Weight Per Foot 6" Centers	84	87	90	93	96	99	102	105	108	111	114	117	120	123	126	129	132	135	138

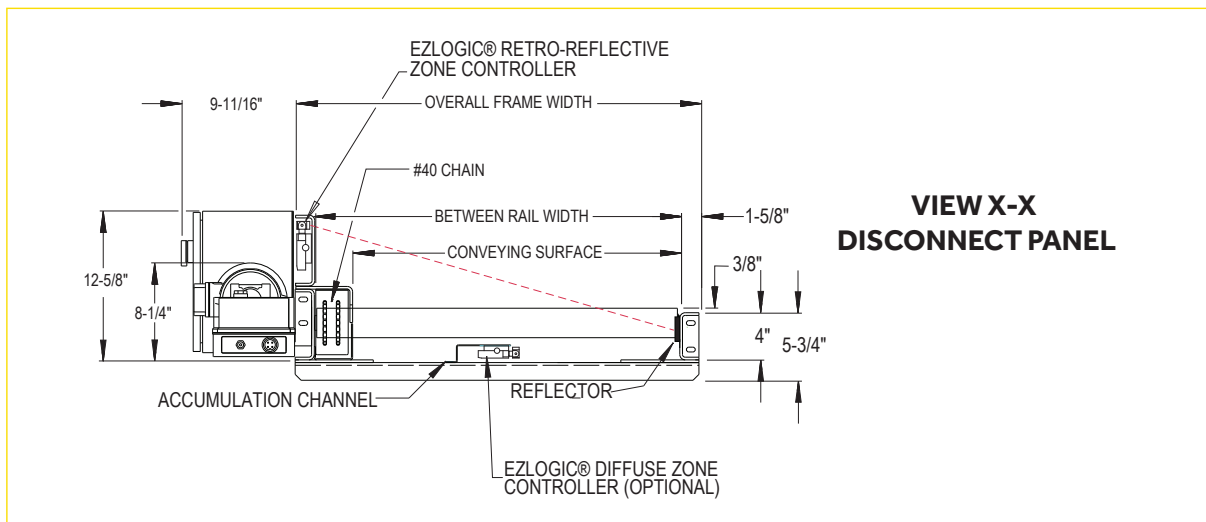
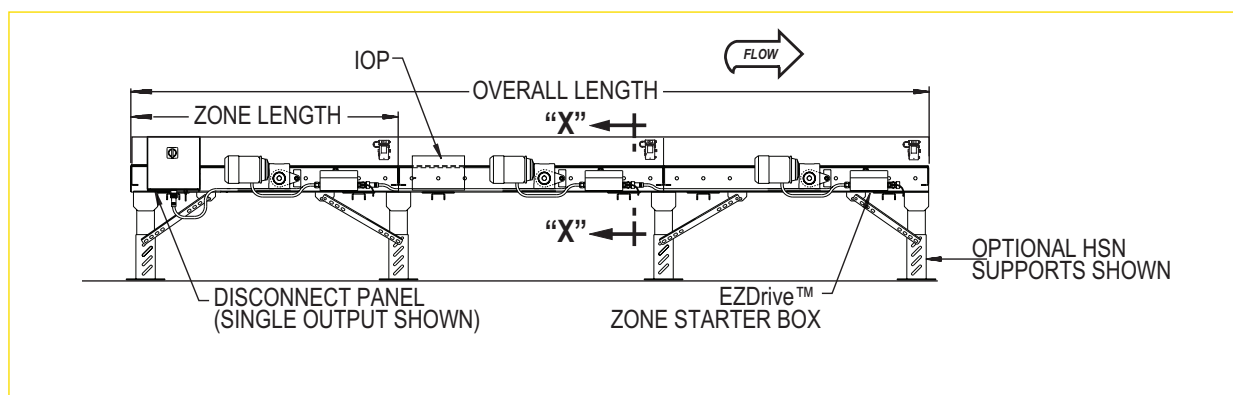
OAW – 3 in. Roller Centers

Conveying Surface	27 3/4"	29 3/4"	31 3/4"	33 3/4"	35 3/4"	37 3/4"	39 3/4"	41 3/4"	43 3/4"	45 3/4"	47 3/4"	49 3/4"	51 3/4"	53 3/4"	55 3/4"	57 3/4"	59 3/4"	61 3/4"	63 3/4"
Between Rail Width	32"	34"	36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	62"	64"	66"	68"
Overall Frame Width	35 1/4"	37 1/4"	39 1/4"	41 1/4"	43 1/4"	45 1/4"	47 1/4"	49 1/4"	51 1/4"	53 1/4"	55 1/4"	57 1/4"	59 1/4"	61 1/4"	63 1/4"	65 1/4"	67 1/4"	69 1/4"	71 1/4"
Weight Per Foot 3" Centers	145	151	157	163	169	175	181	187	193	199	205	211	217	223	229	235	241	247	253

Total Weight = (Number of Zones x 30) + (OAL x Weight per Foot)

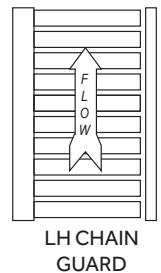
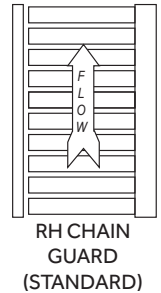
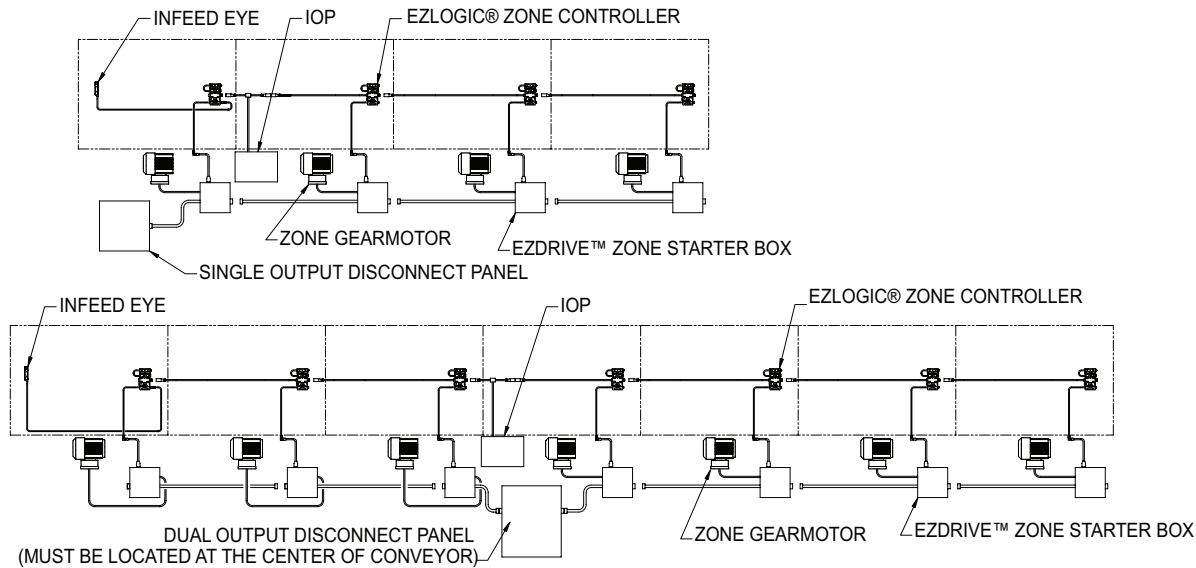
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

25-CREZD



25-CREZD

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.



EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

25-CREZD

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated rollers spaced every 4 or 6 in. Tread rollers mounted in 4 in. x 4 ga. formed channel on side opposite chain guard and 6 in. x 4 ga. formed channel on chain guard side. Bolted together with butt couplings.

DRIVE CHAIN – No. 40 roller-to-roller.

CHAIN GUARD – Formed steel guards totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

EZDRIVE® SYSTEM – Shaft mounted gearmotor located near center of each zone. 1/2 HP, 3 PH, 60 Hz. Totally enclosed fan cooled. 230/460 V (specify voltage). Includes EZDrive® Disconnect Panel. Power is distributed zone-to-zone through pluggable cordsets. Power is connected from the starter box to the motor via SO type cord. Please contact factory if local code requires other than the standard power distribution techniques described.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 3 in. and 6 in. roller centers, 30 in. to 120 in. on 6 in. increments. 5 in. roller centers, 30 in. to 120 in. on 5 in. increments. Frame length changes with zone length.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Should be located near disconnect panel. See chart for maximum quantity of zones. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Constant 28 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 300 lbs. with supports on 10 ft. centers and 1000 lbs. with supports on 5 ft. centers. Maximum unit load 4000 lbs. per zone with 4 in. roller centers and #40 chain. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

	230V	460V
Disconnect Panel	3 Ph. 60 Hz	3 Ph. 60 Hz
Single Output	1-5 Zones	1-10 Zones
Dual Output	6-10 Zones	11-20 Zones

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-6 support.

CONVEYING SPEED – Other constant and variable speeds available. Contact factory.

TREAD ROLLERS – 2 5/8 in. dia. x 7 ga. steel, 11/16 in. hex spring-loaded shaft.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

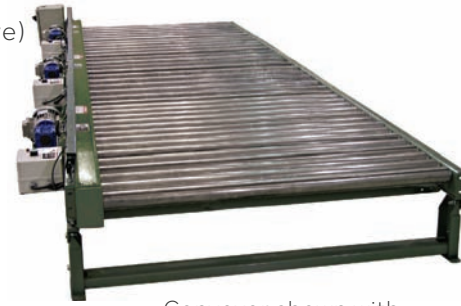
EZLOGIC® – See EZLogic® Components Page.

36-CREZD

Heavy-Duty Accumulating Roller Conveyor

The model 36-CREZD is a heavy-duty chain driven live roller conveyor designed for zero-pressure accumulation of products. This conveyor is designed to handle heavily loaded containers, racks, or pallets. Products may be accumulated in zones and released upon request.

- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Chain Driven Rollers
- Shaft-Mounted Drives
- HSF-Type Floor Supports Available



Conveyor shown with optional floor supports.

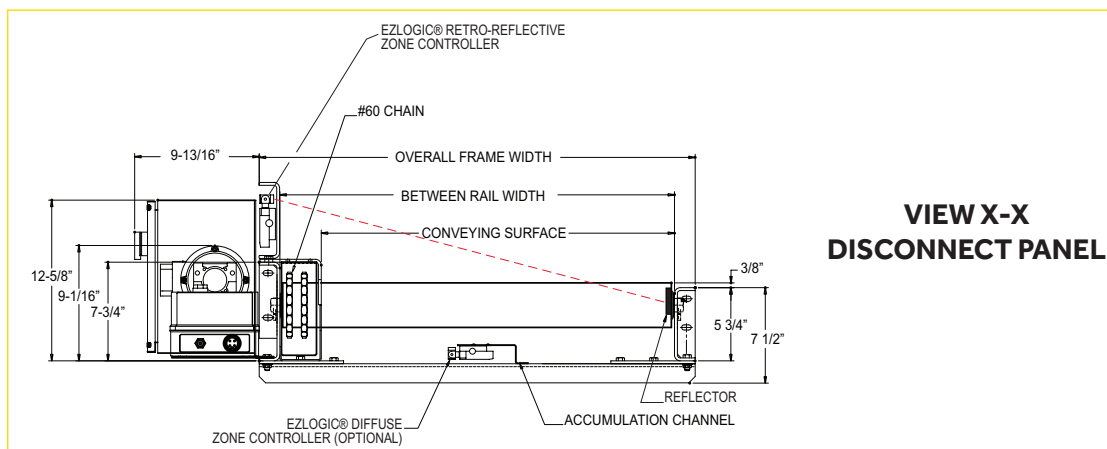
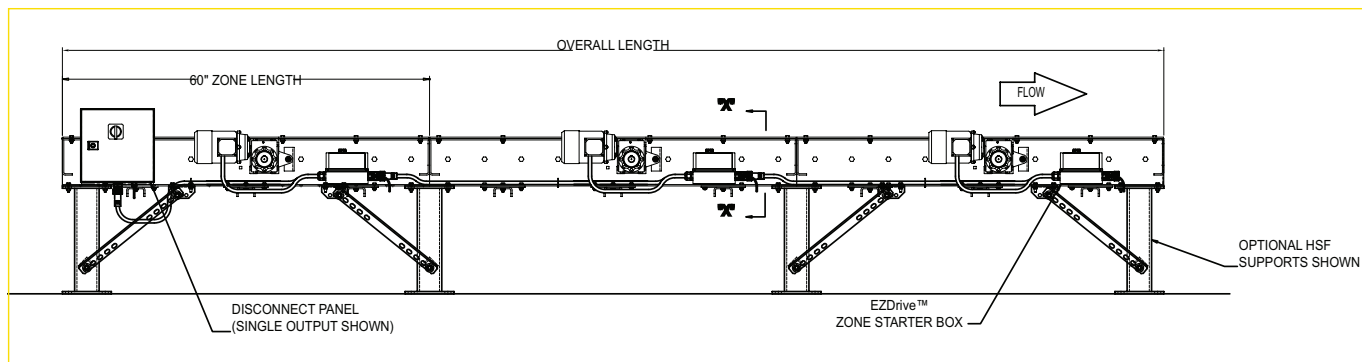
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Conveying Surface	27 3/4"	31 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	55 3/4"	59 3/4"	63 3/4"
Between Rail Width	31"	35"	39"	43"	47"	51"	55"	59"	63"	67"
Overall Frame Width	34 1/4"	38 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	62 1/4"	66 1/4"	70 1/4"
Weight Per Foot 6" Centers	115	123	131	139	147	155	163	171	179	187

Total Weight = (Number of Zones x 35) + (OAL x Weight per Foot)

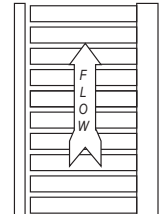
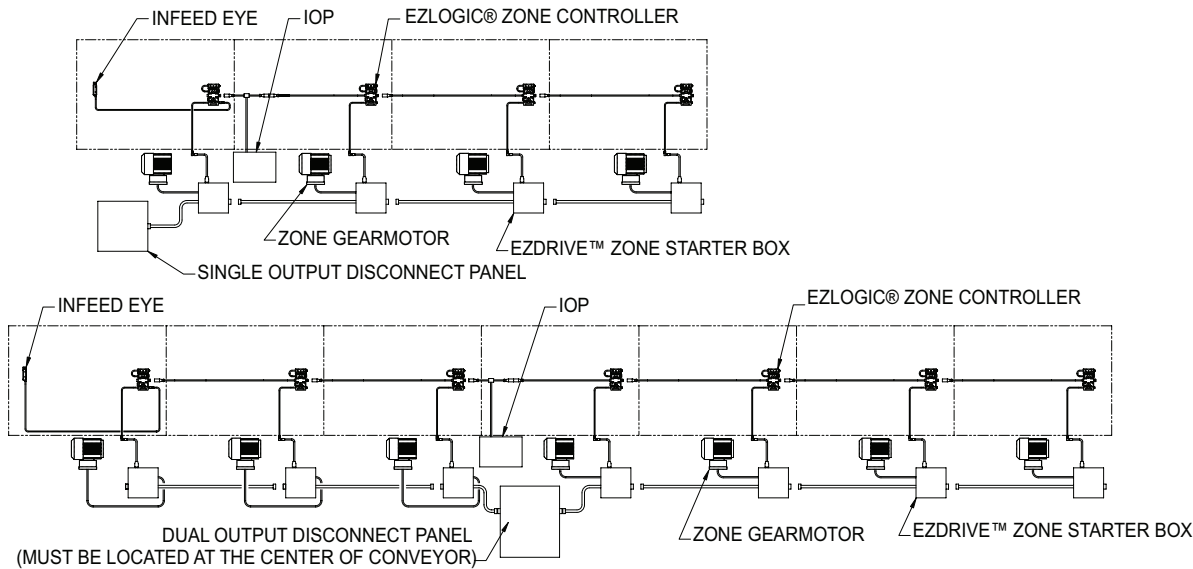
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

36-CREZD

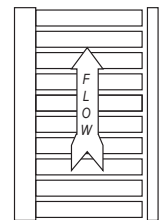


36-CREZD

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.



RH CHAIN GUARD (STANDARD)



LH CHAIN GUARD

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

36-CREZD

Standard Specifications

BED – Roller bed with 3 1/2 in. dia. x .300 wall unplated rollers spaced every 6 in. Tread rollers mounted in 5 3/4 in. x 4 ga. channel on side opposite chain guard and 7 3/4 in. x 4 ga. channel on chain guard side. Bolted together with butt couplings.

DRIVE CHAIN – No. 60 roller-to-roller.

CHAIN GUARD – Formed steel guards, totally enclosed drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

EZDRIVE® SYSTEM – Shaft mounted gearmotor located near center of each zone. 3/4 HP, 3 Ph, 60 Hz. Totally enclosed fan cooled. 230 or 460 V (specify voltage). Includes EZDrive® Disconnect Panel. Power is distributed zone-to-zone through pluggable cordsets. Power is connected from the starter box to the motor via SO type cord. Please contact factory if local code requires other than the standard power distribution techniques described.

ACCUMULATION ZONE LENGTHS – 60 in., 72 in., 84 in., 96 in., 108 in., and 120 in. Frame lengths will change with zone lengths.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Should be located near disconnect panel. See chart for maximum quantity of zones. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Constant 26.5 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 2000 lbs. Maximum unit load 5000 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

	230V	460V
Disconnect Panel	3 Ph. 60 Hz	3 Ph. 60 Hz
Single Output	1-3 Zones	1-6 Zones
Dual Output	4-6 Zones	7-12 Zones

Optional Equipment

FLOOR SUPPORTS – HSF Type floor supports are available for a wide range of elevations. Specify top of roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Includes knee braces HSF-11 and above.

CONVEYING SPEED – Other constant and variable speeds available. Contact factory.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

199-CRE24EZ

24VDC Accumulating Roller Conveyor

The model 199-CRE24EZ accumulating conveyor uses a 24VDC motor/reducer to drive chain driven tread rollers. This conveyor is designed to handle cartons or pallets in conditions that may not be suitable for belt-driven rollers. Products may be accumulated in zones and released upon request.

- EZLogic® Accumulation System
- Chain Driven Rollers
- Shaft-Mounted 24VDC Drive
- Adjustable MSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

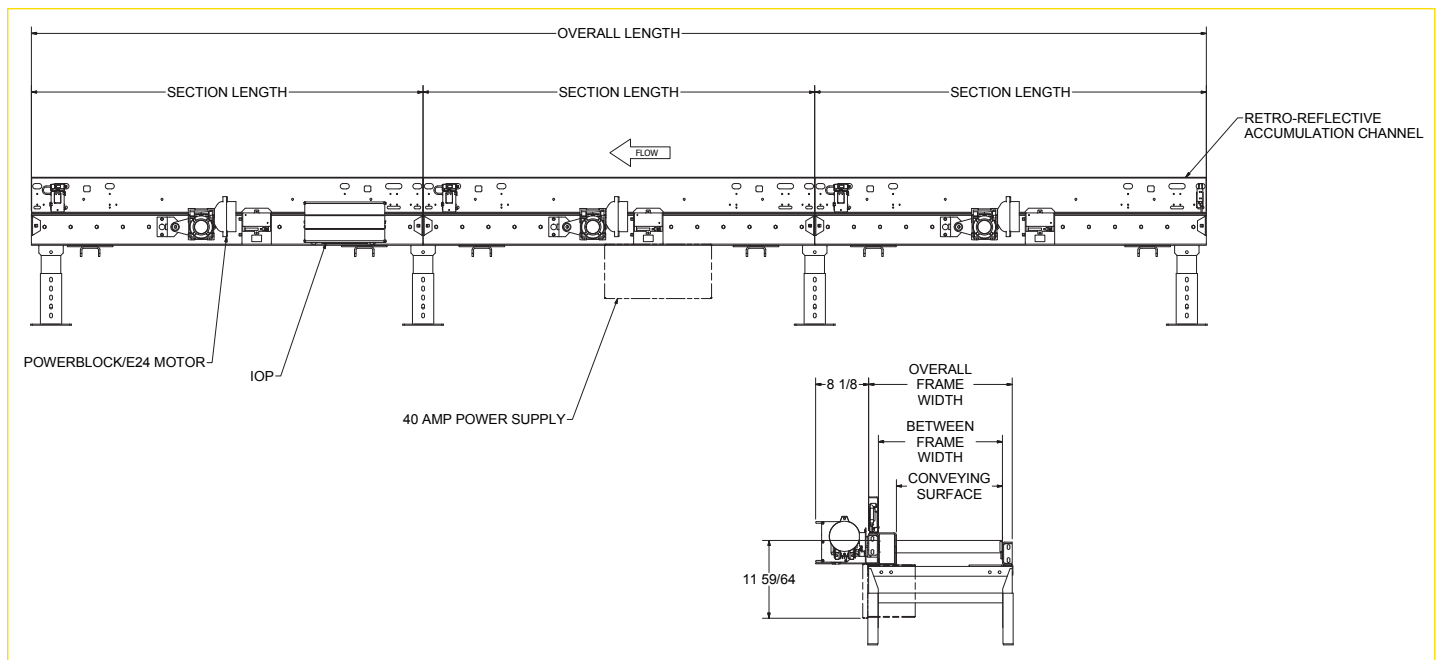
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Conveying Surface	12 1/4"	14 1/4"	16 1/4"	18 1/4"	20 1/4"	22 1/4"	24 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
Weight (lbs.) Per Foot 4" Roller Centers	51	53	55	57	59	61	63	67	69	73	75
Weight (lbs.) Per Foot 6" Roller Centers	46	48	50	52	54	56	58	62	64	66	68

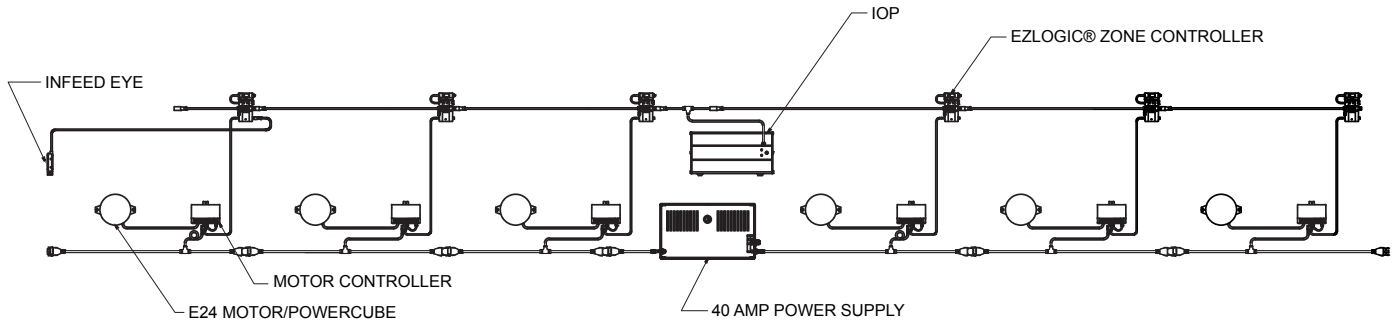
Total Weight = (Number of Zones x 30) + (OAL x Weight Per Foot)

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

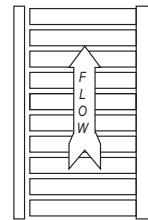
199-CRE24EZ



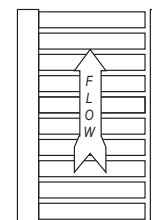
199-CRE24EZ



Power Supply	Max Number of Zones
20 Amp	4
40 Amp	8



RH CHAIN GUARD (STANDARD)



LH CHAIN GUARD

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

199-CRE24EZ

Standard Specifications

BED – Roller bed with 1.9 in. dia. x 9 ga. unplated rollers spaced every 4 or 6 in. Tread rollers mounted in 3 1/2 in. x 7 ga. formed channel on side opposite chain guard and 4 3/4 in. x 7 ga. formed channel on chain guard side. Bolted together with butt couplings.

DRIVE CHAIN – No. 40 roller-to-roller.

CHAIN GUARD – Formed steel guards totally enclose drive chains.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 6 in. centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 28 volt fixed output. Maximum of 8 zones per power supply. 120VAC, 24 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Up to 35 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 150 lbs. with supports on 10 ft. centers, 250 lbs. per ft. with supports on 5 ft. centers. Not to exceed 600 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MSN-6 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

GUARD RAILS – Adjustable Universal Channel Guard Rail (both sides), fixed channel (one side), or angle (one side).

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

EZLOGIC® – See EZLogic® Components Page.

25-CRE24EZ

24VDC Heavy-Duty Accumulating Roller Conveyor

The model 25-CRE24EZ accumulating conveyor uses a 24VDC motor/reducer to drive chain driven thread rollers. This conveyor is designed to handle loads such as pallets, drums, containers, etc. Products may be accumulated in zones and released upon request.

- EZLogic® Accumulation System
- Chain Driven Rollers
- Shaft-Mounted 24VDC Drive
- Adjustable HSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

[LEARN MORE](#)

OAW – 4 in., 5 in., and 6 in. Roller Centers

Conveying Surface	27 3/4"	29 3/4"	31 3/4"	33 3/4"	35 3/4"	37 3/4"	39 3/4"	41 3/4"	43 3/4"	45 3/4"	47 3/4"	49 3/4"	51 3/4"	53 3/4"	55 3/4"	57 3/4"	59 3/4"	61 3/4"	63 3/4"
Between Rail Width	31"	33"	35"	37"	39"	41"	43"	45"	47"	49"	51"	53"	55"	57"	59"	61"	63"	65"	67"
Overall Frame Width	34 1/4"	36 1/4"	38 1/4"	40 1/4"	42 1/4"	44 1/4"	46 1/4"	48 1/4"	50 1/4"	52 1/4"	54 1/4"	56 1/4"	58 1/4"	60 1/4"	62 1/4"	64 1/4"	66 1/4"	68 1/4"	70 1/4"
Weight Per Foot 4" Centers	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199
Weight Per Foot 5" Centers	97	100	103	106	109	112	115	118	121	124	127	130	133	136	139	142	145	148	151
Weight Per Foot 6" Centers	84	87	90	93	96	99	102	105	108	111	114	117	120	123	126	129	132	135	138

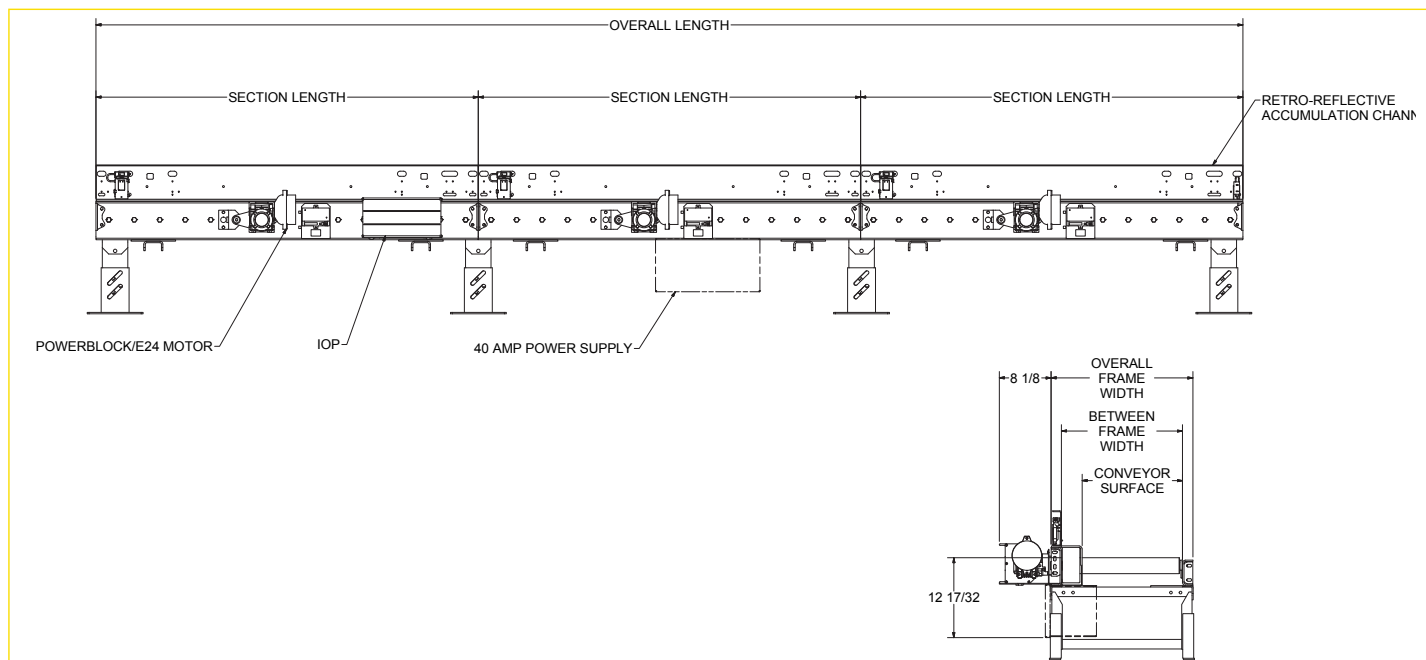
OAW – 3 in. Roller Centers

Conveying Surface	27 3/4"	29 3/4"	31 3/4"	33 3/4"	35 3/4"	37 3/4"	39 3/4"	41 3/4"	43 3/4"	45 3/4"	47 3/4"	49 3/4"	51 3/4"	53 3/4"	55 3/4"	57 3/4"	59 3/4"	61 3/4"	63 3/4"
Between Rail Width	32"	34"	36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	62"	64"	66"	68"
Overall Frame Width	35 1/4"	37 1/4"	39 1/4"	41 1/4"	43 1/4"	45 1/4"	47 1/4"	49 1/4"	51 1/4"	53 1/4"	55 1/4"	57 1/4"	59 1/4"	61 1/4"	63 1/4"	65 1/4"	67 1/4"	69 1/4"	71 1/4"
Weight Per Foot 3" Centers	145	151	157	163	169	175	181	187	193	199	205	211	217	223	229	235	241	247	253

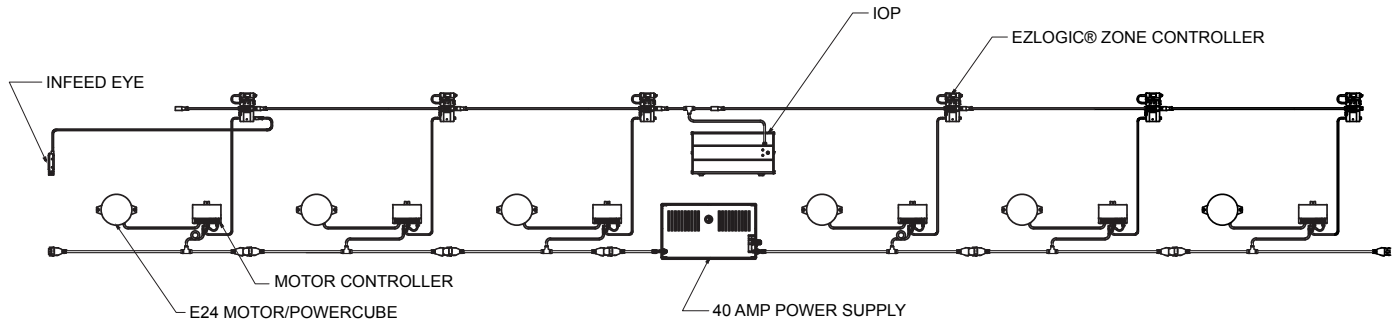
Total Weight = (Number of Zones x 30) + (OAL x Weight per Foot)

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

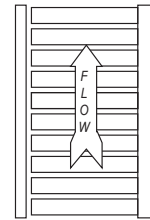
25-CRE24EZ



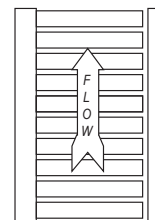
25-CRE24EZ



Power Supply	Max Number of Zones
20 Amp	4
40 Amp	8



RH CHAIN GUARD (STANDARD)



LH CHAIN GUARD

Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

25-CRE24EZ

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated rollers spaced every 4 or 6 in. Tread rollers mounted in 4 in. x 4 ga. formed channel on side opposite chain guard and 6 in. x 4 ga. formed channel on chain guard side. Bolted together with butt couplings.

DRIVE CHAIN – No. 40 roller-to-roller.

CHAIN GUARD – Formed steel guards totally enclose drive chains.

BEARINGS – Sealed, pre-lubricated ball bearings.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 3 in. and 6 in. roller centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 28 volt fixed output. Maximum of 8 zones per power supply. 120VAC, 24 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Up to 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 300 lbs. with supports on 10 ft. centers and 1000 lbs. with supports on 5 ft. centers. Maximum unit load 1300 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-6 support.

CONVEYING SPEED – Other constant and variable speeds available. Contact factory.

GUARD RAILS – Angle type only.

TREAD ROLLERS – 2 5/8 in. dia. x 7 ga. steel, 11/16 in. hex spring-loaded shaft.

EZLOGIC® – See EZLogic® Components Page.

199-PVR

Poly-V Belt-Driven Live Roller Conveyor

The model 199-PVR is a medium-duty poly-v belt-driven live roller conveyor. The roll-to-roll belt drive makes this conveyor ideal for light duty pallet handling where little maintenance or a quieter conveyor is desirable.

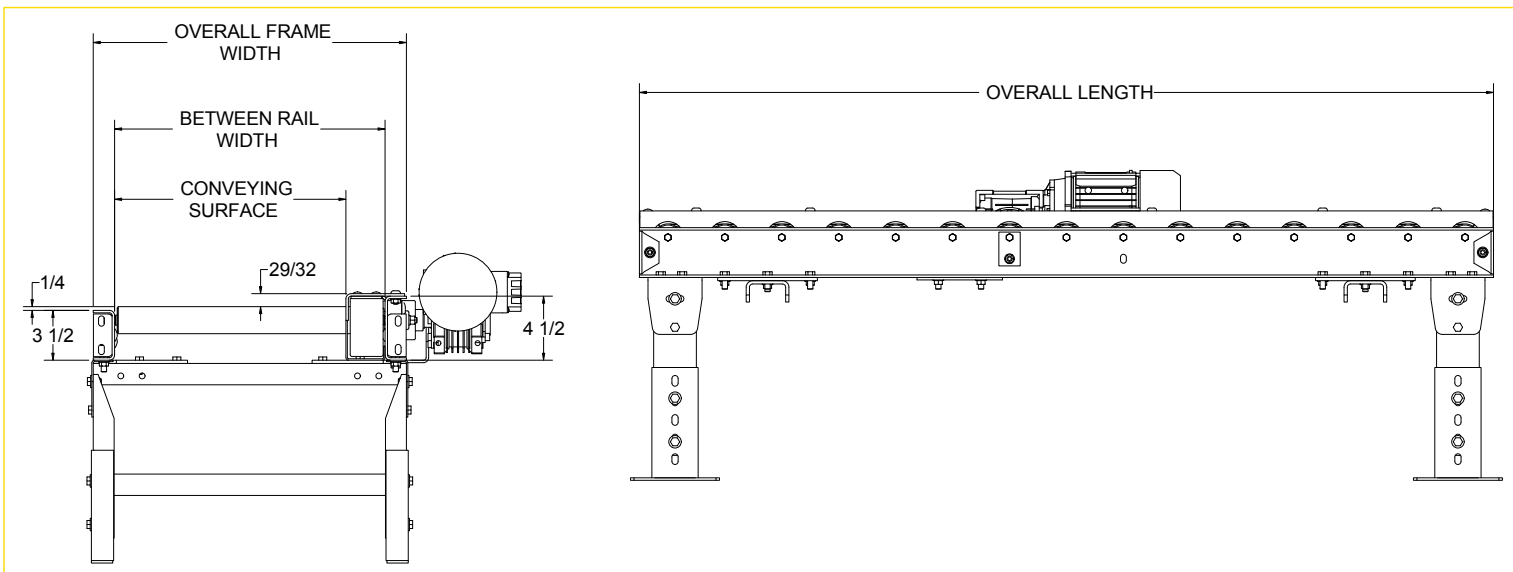
- 11 Bed Widths
- Shaft-Mounted Drive
- Reversible
- Poly-V Belt-Driven Rollers
- Adjustable MSN-Type Floor Supports Available



Conveyor shown with optional floor supports

Conveying Surface	12 1/4"	14 1/4"	16 1/4"	18 1/4"	20 1/4"	22 1/4"	24 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
3" Centers 10' OAL	705	740	765	790	825	850	885	935	970	1010	1055
Per Foot	56	59	61	63	66	68	71	75	78	81	85
4" Centers 10' OAL	655	680	705	730	755	780	805	855	870	920	955
Per Foot	51	53	55	57	59	61	63	67	69	72	75
6" Centers 10' OAL	605	620	645	670	685	710	725	775	780	830	855
Per Foot	46	47	49	51	52	54	55	59	60	63	65

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Motors will slave a maximum of 40 rollers, 20 rollers per side.



199-PVR

Standard Specifications

BED – Roller bed with 1.9 in. x 9 ga. wall unplated tread rollers spaced every 3 in, 4 in., or 6 in. mounted in 7 ga. powder-painted formed steel channel frame bolted together with butt couplings.

SHAFT-MOUNTED DRIVE – Shaft mounted gearmotor to the side of the bed section.

POLY-V BELT – 4-rib, J-Profile roller-to-roller.

GUARD – Mounted to top of channel frame to totally enclose drive belts.

BEARINGS – Sealed, pre-lubricated ball bearings on drive roller shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor.

CONVEYING SPEED – Constant 35 FPM.

CAPACITY – Maximum load per linear foot of conveyor 150 lbs. with supports on 10 ft. centers, 250 lbs. with supports on 5 ft. centers. 600 lbs. total load.

FLOOR SUPPORTS – Supplied as optional equipment.

CONVEYOR LENGTH – Maximum 10 ft. per drive.



Guard removed to illustrate roll-to-roll drive belt.
WARNING: Do not operate conveyor with guard removed.

Optional Equipment

FLOOR SUPPORTS – MSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MSN-6 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

GUARD RAILS – Adjustable Universal Channel Guard Rail (both sides), fixed channel (both sides), or angle (one side). See Accessory section.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Other HP gearmotors available.

ELECTRICAL CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

TRANSFERS – Chain transfers available. See Accessories page.

25-PVR

Poly-V Belt-Driven Live Roller Conveyor

The heavy design of the 25-PVR allows it to be used for conveying higher load capacities such as loaded pallets and drums. Poly-v belt-driven rollers make it ideal for conveying heavier parts where little maintenance or a quieter conveyor is required.

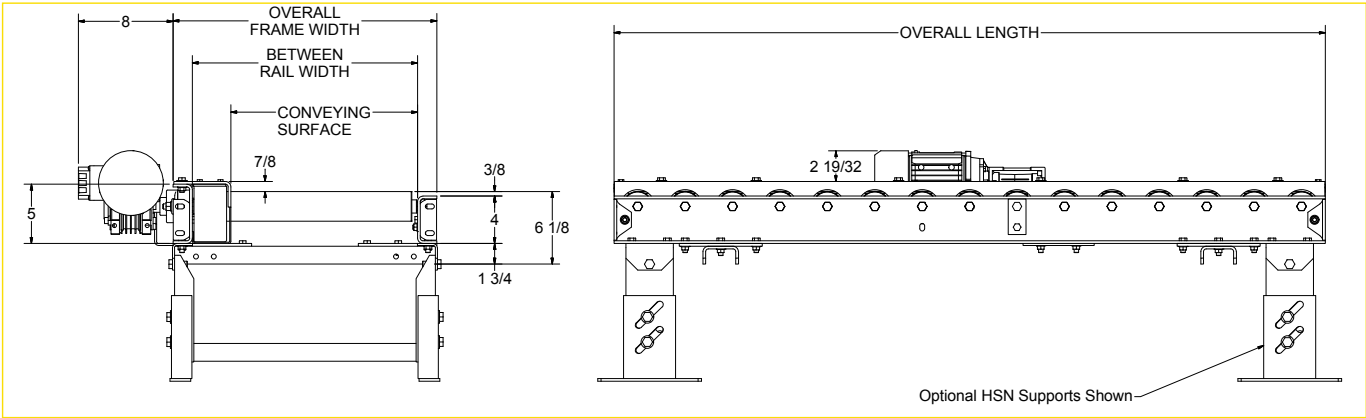
- 15 Bed Widths
- Shaft-Mounted Drive
- Reversible
- Poly-V Belt-Driven Rollers
- Adjustable HSN-Type Floor Supports Available



Conveyor shown with optional floor supports

3 in., 4 in., and 6 in. Roller Centers															
Conveying Surface	15 3/4"	17 3/4"	19 3/4"	21 3/4"	23 3/4"	27 3/4"	29 3/4"	33 3/4"	35 3/4"	39 3/4"	43 3/4"	47 3/4"	51 3/4"	57 3/4"	63 3/4"
Between Rail Width	19"	21"	23"	25"	27"	31"	33"	37"	39"	43"	47"	51"	55"	61"	67"
Overall Frame Width	22 1/4"	24 1/4"	26 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"	40 1/4"	42 1/4"	46 1/4"	50 1/4"	54 1/4"	58 1/4"	64 1/4"	70 1/4"
3" Centers 10' OAL	862	890	918	946	974	1030	1058	1114	1142	1198	1254	1310	1366	1450	1534
Per Foot	72	75	78	81	84	90	93	99	102	108	114	120	126	135	144
4" Centers 10' OAL	722	750	778	806	834	890	918	974	1002	1058	1114	1170	1226	1310	1394
Per Foot	61	64	67	70	73	79	82	88	91	97	103	109	113	124	133
6" Centers 10' OAL	582	610	638	666	694	750	778	834	862	918	974	1030	1086	1170	1254
Per Foot	49	52	55	58	61	67	70	76	79	85	91	97	103	112	121

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Motors will slave a maximum of 40 rollers, 20 rollers per side.



25-PVR

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated tread rollers spaced every 3 in., 4 in., or 6 in. roller centers only. Tread rollers mounted in 4 in. x 4 ga. powder-painted formed steel channel on side opposite guard and 5 in. x 4 ga. powder-painted formed steel channel on guard side.

SHAFT-MOUNTED DRIVE – Shaft-mounted drive to the side of the bed section.

POLY-V BELT – 8-rib, J-Profile roller-to-roller.

GUARD – Formed steel; upper and lower guard mounted to top and bottom of channel frame to totally enclose drive belts.

BEARINGS – Sealed, pre-lubricated ball bearings.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. gearmotor.

CONVEYING SPEED – Constant 30 FPM.

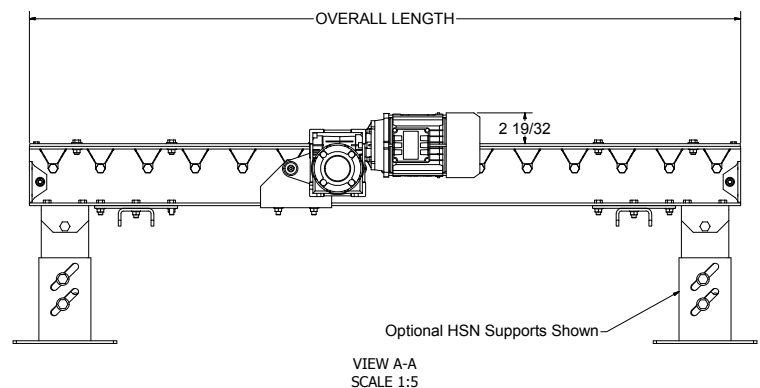
CAPACITY – Maximum load per linear foot of conveyor: 300 lbs. with supports on 10 ft. centers, 1000 lbs. with supports on 5 ft. centers. Total load 3000 lbs.

FLOOR SUPPORTS – Supplied as optional equipment.

CONVEYOR LENGTH – Maximum 10 ft. per drive.



Guard removed to illustrate roll-to-roll drive belt.
WARNING: Do not operate conveyor with guard removed.



Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-3 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

GUARD RAILS – Fixed angle (2 in. high x 1/4 in. steel) guard bolts to top flange of channel opposite guard.

CHANNEL END STOP – 6 in. x 8.2 lbs. structural channel end stop.

TRANSFERS – Chain transfers available. See Accessory section.

MOTOR – Other HP gearmotors available.

ELECTRICAL CONTROLS – Non-reversing magnetic starter with push-button stations. AC variable frequency drive.

199-PVEZD

Poly-V Belt-Driven Live Roller Conveyor

The model 199-PVEZD is a chain driven live roller conveyor designed for zero-pressure accumulation of products. This conveyor is designed to handle cartons or pallets. Products may be accumulated in zones and released upon request.

- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Poly-V Belt-Driven Rollers
- Shaft-Mounted Drive
- Adjustable MSN-Type Floor Supports Available



Conveyor shown with optional floor supports.

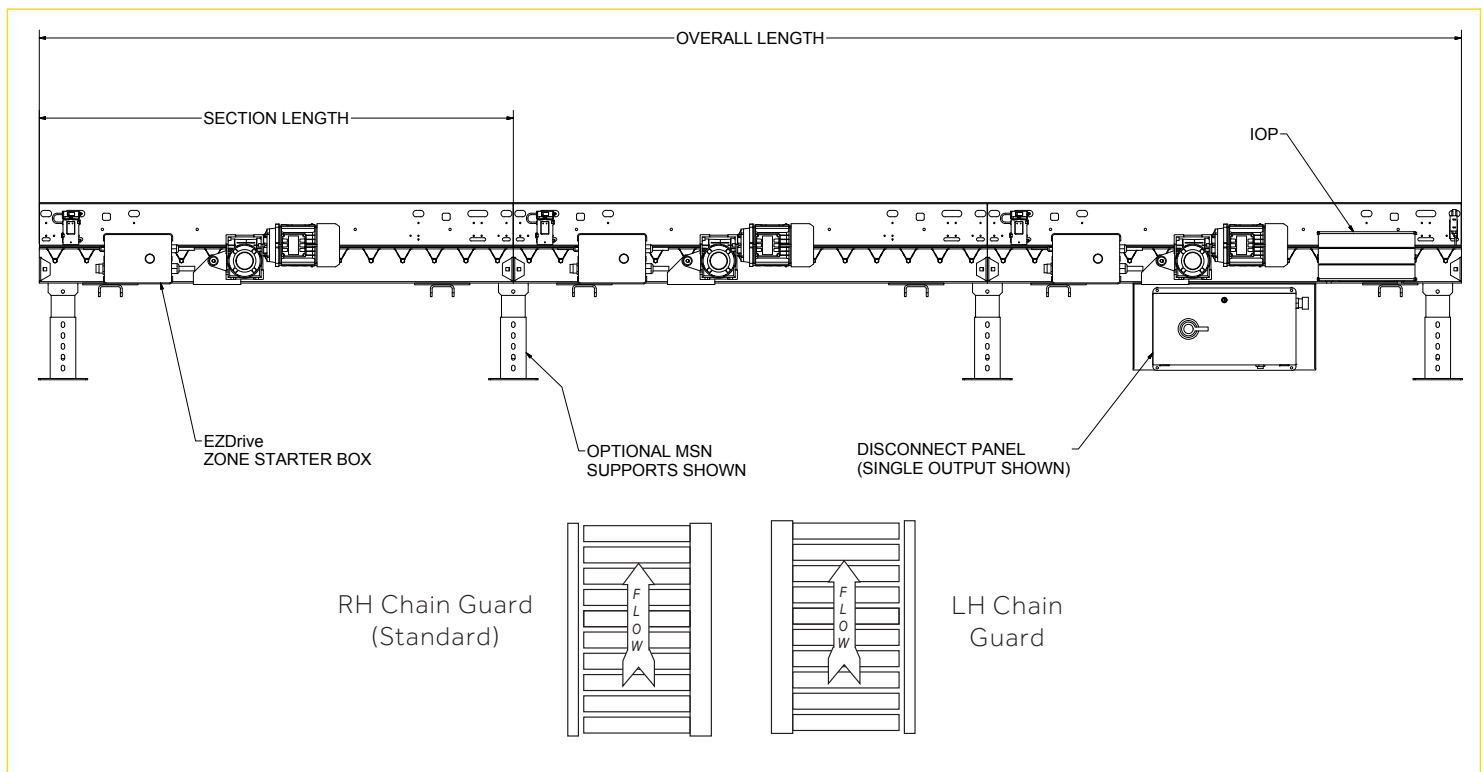
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Conveying Surface	12 1/4"	14 1/4"	16 1/4"	18 1/4"	20 1/4"	22 1/4"	24 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
Weight (lbs.) Per Foot 3" Roller Centers	56	59	61	63	66	68	71	75	78	81	85
Weight (lbs.) Per Foot 4" Roller Centers	51	53	55	57	59	61	63	67	69	73	75
Weight (lbs.) Per Foot 6" Roller Centers	46	48	50	52	54	56	58	62	64	66	68

Total Weight = (Number of Zones x 30) + (OAL x Weight Per Foot)

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Motors will slave a maximum of 40 rollers, 20 rollers per side.



199-PVEZD

Standard Specifications

BED – Roller bed with 1.9 in. dia. x 9 ga. unlplated rollers spaced every 3, 4, or 6 in. Tread rollers mounted in 3 1/2 in. x 7 ga. formed channel on side opposite guard and 4 1/2 in. x 7 ga. formed channel on guard side. Bolted together with butt couplings.

POLY-V BELT – 4-rib, J-profile, roller-to-roller.

GUARD – Formed steel guards totally enclose drive belts.

EZDRIVE® SYSTEM – Shaft mounted gearmotor located near center of each zone. 1/2 HP, 3 Ph. 60 Hz. Totally enclosed fan cooled. 230/460 V (specify voltage). Includes EZDrive® Disconnect Panel. Power is distributed zone-to-zone through pluggable cordsets. Power is connected from the starter box to the motor via SO type cord. Please contact factory if local code requires other than the standard power distribution techniques described.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 3 in. and 6 in. centers, 30 in. to 120 in. on 3 in. or 6 in. increments. Frame length changes with zone length.

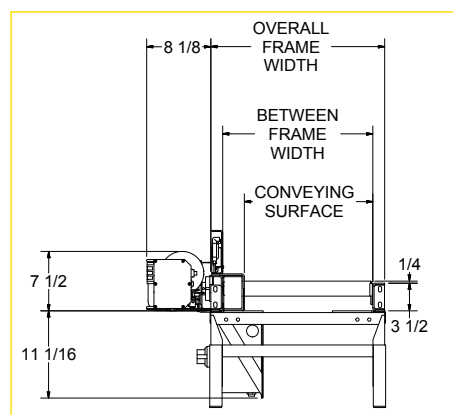
EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Should be located near disconnect panel. See chart for maximum quantity of zones. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Constant 35 FPM.

CAPACITY – Maximum load per linear foot of conveyor 150 lbs. with supports on 10 ft. centers and 250 lbs. with supports on 5 ft. centers. Maximum unit load 1000 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.



Optional Equipment

FLOOR SUPPORTS – MSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MSN-6 support.

CONVEYING SPEED – Other constant and variable speeds. Note: Capacity affected with speed change.

GUARD RAILS – Adjustable Universal Channel Guard Rail (both sides), fixed channel (both sides), or angle (one side).

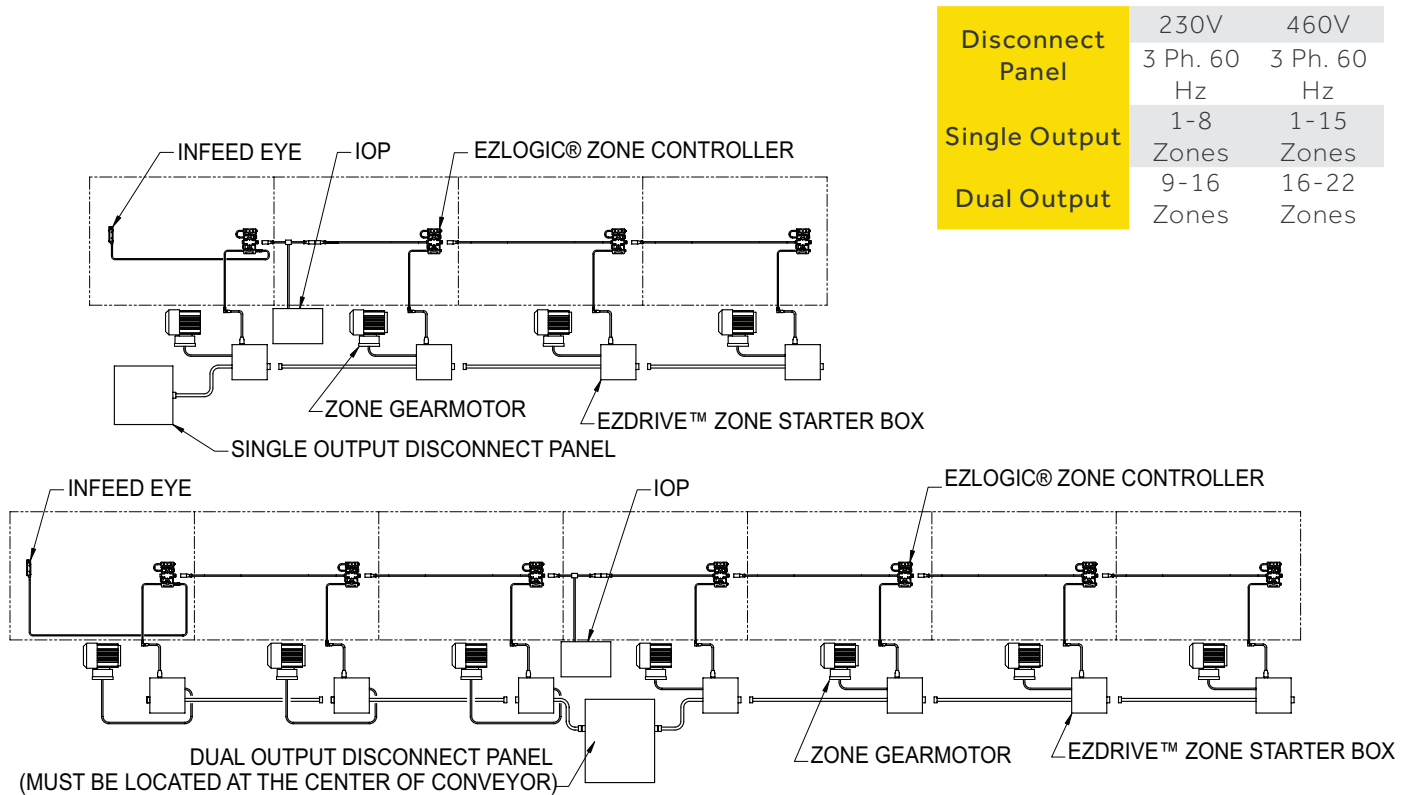
POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unlplated rods fully threaded. Other lengths and galvanized rods available.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components Page.

199-PVEZD



Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

199-PVEZD

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

25-PVEZD

Poly-V Belt-Driven Live Roller Conveyor Type)

The model 25-PVEZD is a poly-v belt-driven live roller conveyor designed for zero-pressure accumulation of products. This conveyor is designed to handle loads such as pallets, drums, containers, etc. Products may be accumulated in zones and released upon request.

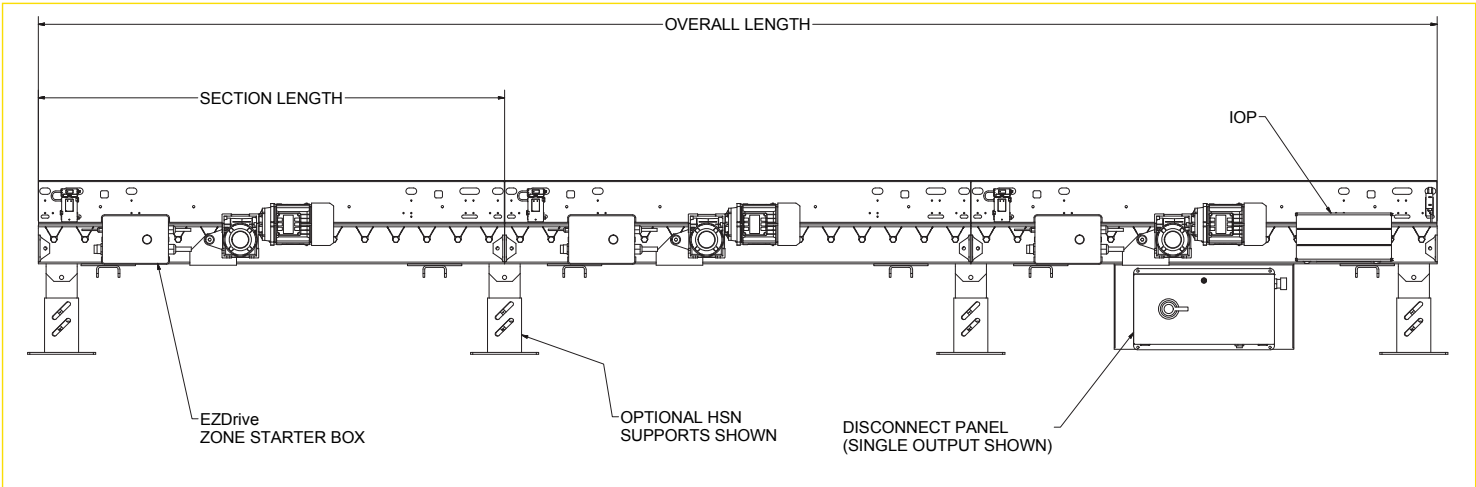
- EZDrive® System (Individual Zone Drive)
- EZLogic® Accumulation System
- Poly-V Belt-Driven Rollers
- Shaft-Mounted Drive
- Adjustable HSN-Type Floor Supports Available



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OAW – 3 in., 4 in., and 6 in. Roller Centers.																			
Conveying Surface	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63
Between Rail Width	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Overall Frame Width	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70
Weight Per Foot 3" Centers	145	151	157	163	169	175	181	187	193	199	205	211	217	223	229	235	241	247	253
Weight Per Foot 4" Centers	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199
Weight Per Foot 6" Centers	84	87	90	93	96	99	102	105	108	111	114	117	120	123	126	129	132	135	138

Total Weight = (Number of Zones x 30) + (OAL x Weight per Foot)
 All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
 Motors will slave a maximum of 40 rollers, 20 rollers per side.



25-PVEZD

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated rollers spaced every 3, 4, or 6 in. Tread rollers mounted in 4 in. x 4 ga. formed channel on side opposite chain guard and 5 in. x 4 ga. formed channel on chain guard side. Bolted together with butt couplings.

POLY-V BELT – 8 rib, J-profile, roller-to-roller.

GUARD – Formed steel guards totally enclose drive belts.

BEARINGS – Sealed, pre-lubricated ball bearings.

EZDRIVE® SYSTEM – Shaft mounted gearmotor located near center of each zone. 1/2 HP, 3 Ph. 60 Hz. Totally enclosed fan cooled. 230/460 V (specify voltage). Includes EZDrive® Disconnect Panel. Power is distributed zone-to-zone through pluggable cordsets. Power is connected from the starter box to the motor via SO type cord. Please contact factory if local code requires other than the standard power distribution techniques described.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 3 in. and 6 in. roller centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

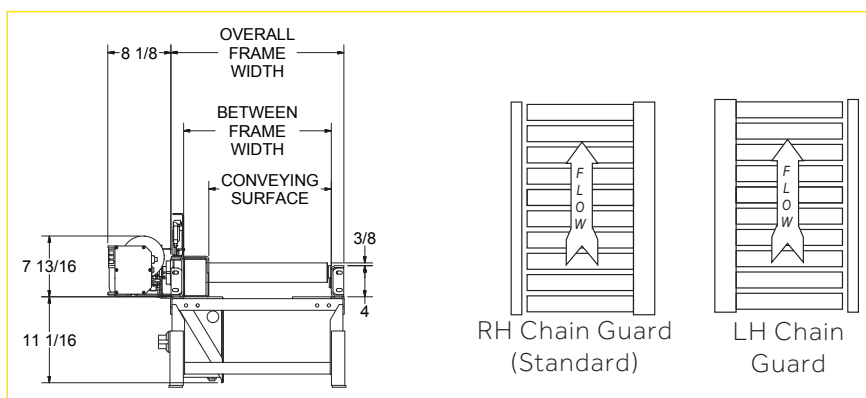
EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Should be located near disconnect panel. See chart for maximum quantity of zones. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Constant 28 FPM.

CAPACITY – Maximum load per linear foot of conveyor 300 lbs. with supports on 10 ft. centers and 1000 lbs. with supports on 5 ft. centers. Maximum unit load 3000 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.



Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-6 support.

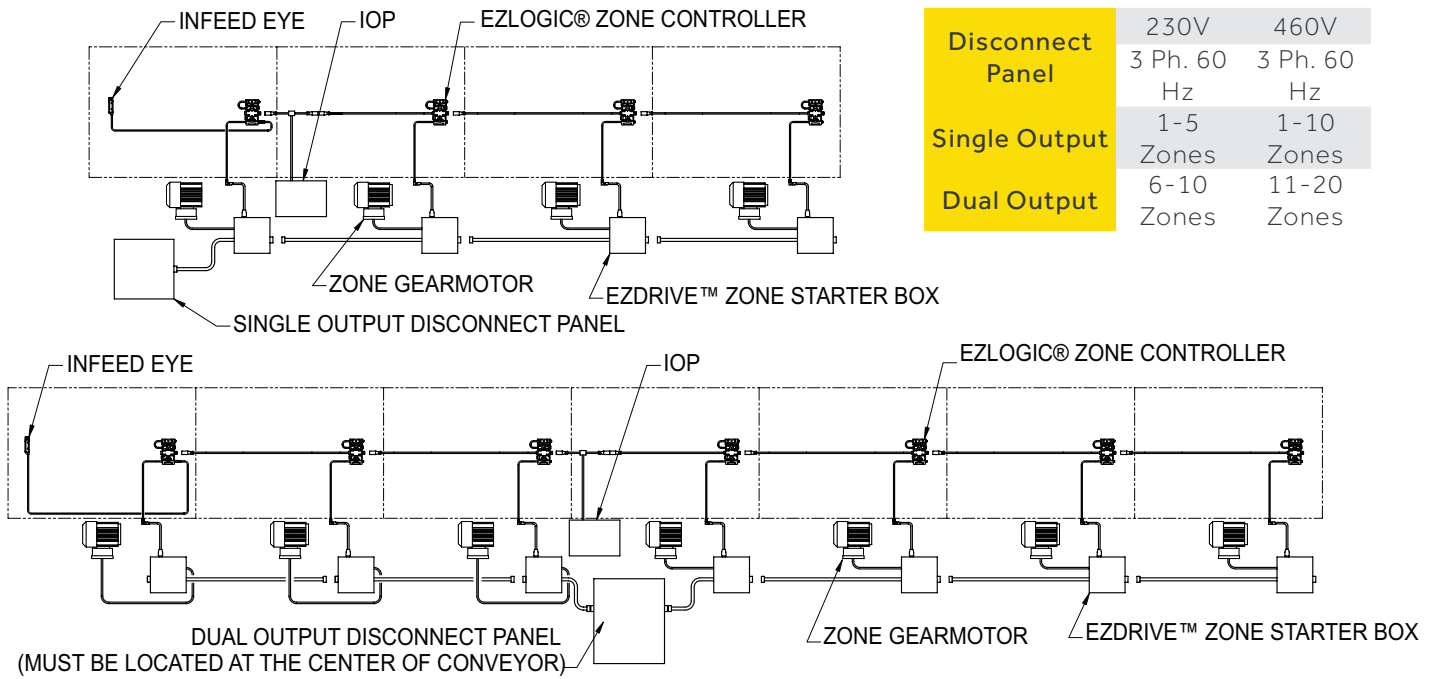
CONVEYING SPEED – Other constant and variable speeds available; contact factory.

GUARD RAIL – Angle type only.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

EZLOGIC® – See EZLogic® Components page.

25-PVEZD



Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

25-PVEZD

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

199-PVE24EZ

24VDC Poly-V Accumulating Conveyor

The model 199-PVE24EZ accumulating conveyor uses a 24VDC motor/reducer to drive poly-v belt-driven tread rollers. This conveyor is designed to handle cartons or pallets. Products may be accumulated in zones and released upon request.

- EZLogic® Accumulation System
- Poly-V Belt-Driven Rollers
- Shaft-Mounted 24VDC Drive
- Adjustable MSN-Type Floor Supports Available



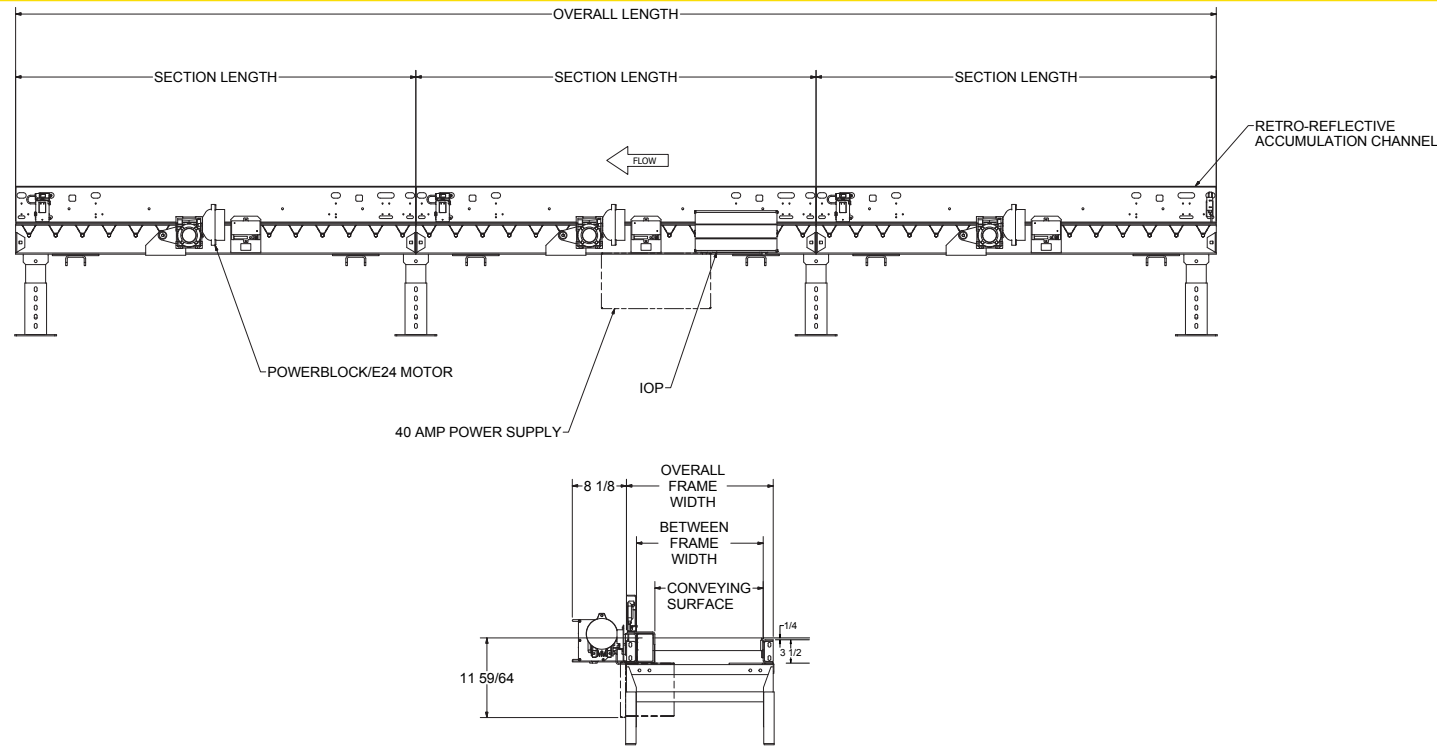
Conveyor shown with optional floor supports.



LEARN MORE

Conveying Surface	12 1/4"	14 1/4"	16 1/4"	18 1/4"	20 1/4"	22 1/4"	24 1/4"	28 1/4"	30 1/4"	34 1/4"	36 1/4"
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
Weight (lbs.) Per Foot 3" Roller Centers	56	59	61	63	66	68	71	75	78	81	85
Weight (lbs.) Per Foot 4" Roller Centers	51	53	55	57	59	61	63	67	69	73	75
Weight (lbs.) Per Foot 6" Roller Centers	46	48	50	52	54	56	58	62	64	66	68

Total Weight = (Number of Zones x 30) + (OAL x Weight Per Foot)
 All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
 Motors will slave a maximum of 40 rollers, 20 rollers per side.



199-PVE24EZ

Standard Specifications

BED – Roller bed with 1.9 in. dia. x 9 ga. unplated rollers spaced every 3, 4, or 6 in. Tread rollers mounted in 3 1/2 in. x 7 ga. formed channel on side opposite guard and 4 1/2 in. x 7 ga. formed channel on guard side. Bolted together with butt couplings.

POLY-V BELT – 4-rib, J-profile, roller-to-roller.

GUARD – Formed steel guards totally enclose drive belts.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 6 in. centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

MOTOR – One 24VDC motor in each zone.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 28 volt fixed output. Maximum of 8 zones per power supply. 120VAC, 24 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Up to 35 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 150 lbs. supports on 10 ft. centers. 250 lbs. per ft. with supports on 5 ft. centers. Not to exceed 600 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-6 support.

CONVEYING SPEED – Other constant and variable speeds available. Contact factory.

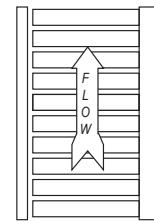
GUARD RAIL – Angle type only.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

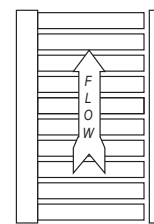
EZLOGIC® – See EZLogic® Components page.

199-PVE24EZ

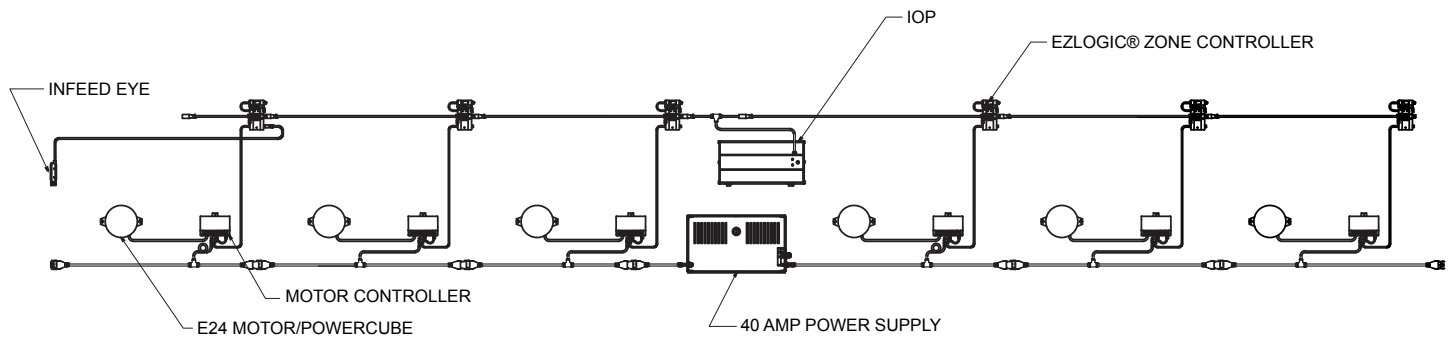
Power Supply	Max Number of Zones
20 Amp	4
40 Amp	8



RH
Guard
(Standard)



LH
Guard



Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

199-PVE24EZ

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

25-PVE24EZ

24VDC Poly-V Accumulating Conveyor

The model 25-PVE24EZ accumulating conveyor uses a 24VDC motor/reducer to drive poly-v belt-driven tread rollers. This conveyor is designed to handle loads such as pallets, drums, containers, etc. Products may be accumulated in zones and released upon request.

- EZLogic® Accumulation System
- Poly-V Belt-Driven Rollers
- Shaft-Mounted 24VDC Drive
- Adjustable HSN-Type Floor Supports Available



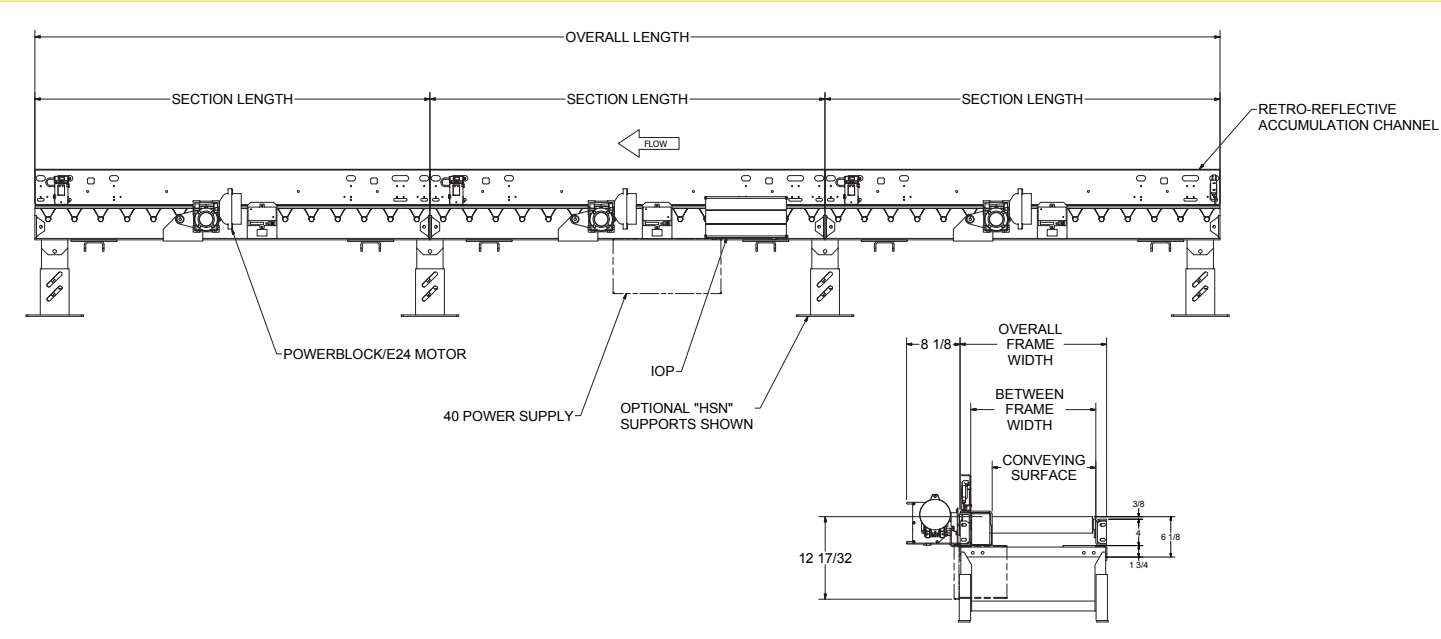
Conveyor shown with optional floor supports.

[LEARN MORE](#)



OAW – 3 in., 4 in., and 6 in. Roller Centers	
Conveying Surface	27 3/4" 29 3/4" 31 3/4" 33 3/4" 35 3/4" 37 3/4" 39 3/4" 41 3/4" 43 3/4" 45 3/4" 47 3/4" 49 3/4" 51 3/4" 53 3/4" 55 3/4" 57 3/4" 59 3/4" 61 3/4" 63 3/4"
Between Rail Width	31" 33" 35" 37" 39" 41" 43" 45" 47" 49" 51" 53" 55" 57" 59" 61" 63" 65" 67"
Overall Frame Width	34 1/4" 36 1/4" 38 1/4" 40 1/4" 42 1/4" 44 1/4" 46 1/4" 48 1/4" 50 1/4" 52 1/4" 54 1/4" 56 1/4" 58 1/4" 60 1/4" 62 1/4" 64 1/4" 66 1/4" 68 1/4" 70 1/4"
Weight Per Foot 3" Centers	145 151 157 163 169 175 181 187 193 199 205 211 217 223 229 235 241 247 253
Weight Per Foot 4" Centers	109 114 119 124 129 134 139 144 149 154 159 164 169 174 179 184 189 194 199
Weight Per Foot 6" Centers	84 87 90 93 96 99 102 105 108 111 114 117 120 123 126 129 132 135 138

Total Weight = (Number of Zones x 30) + (OAL x Weight per Foot)
 All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
 Motors will slave a maximum of 40 rollers, 20 rollers per side.



25-PVE24EZ

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated rollers spaced every 3, 4, or 6 in. Tread rollers mounted in 4 in. x 4 ga. formed channel on side opposite chain guard and 5 in. x 4 ga. formed channel on chain guard side. Bolted together with butt couplings.

POLY-V BELT – J-profile, 8 rib roller-to-roller.

GUARD – Formed steel guards totally enclosed drive belts.

BEARINGS – Sealed, pre-lubricated ball bearings.

ACCUMULATION ZONES – 4 in. roller centers, 32 in. to 120 in. on 4 in. increments. 3 in. and 6 in. roller centers, 30 in. to 120 in. on 6 in. increments. Frame length changes with zone length.

MOTOR – One 24VDC motor in each zone.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 28 volt fixed output. Maximum of 8 zones per power supply. 120VAC, 24 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – Up to 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 300 lbs. with supports on 10 ft. centers and 1000 lbs. with supports on 5 ft. centers. Maximum unit load 1300 lbs. per zone. Zones longer than 6 ft. may require an additional floor support depending on product load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – HSN Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HSN-6 support.

CONVEYING SPEED – Other constant and variable speeds available. Contact factory.

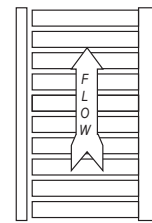
GUARD RAIL – Angle type only.

EZDRIVE® SYSTEM – Variable Frequency Drive for adjusting conveying speed or adjusting acceleration and deceleration time.

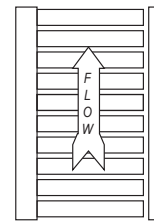
EZLOGIC® – See EZLogic® Components page.

25-PVE24EZ

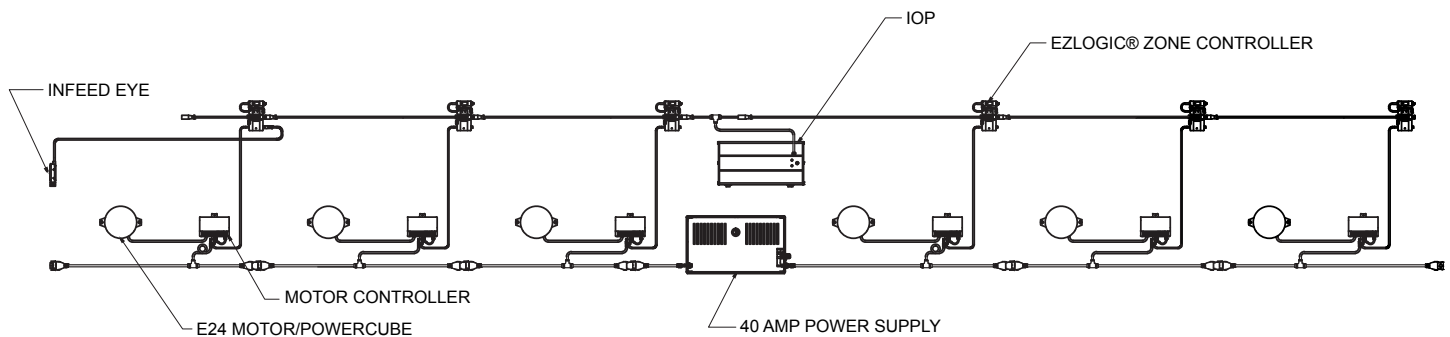
Power Supply	Max Number of Zones
20 Amp	4
40 Amp	8



RH
Guard
(Standard)



LH
Guard



Note: Infeed Wake-Up Eye used only on terminating infeed end of conveyor. Not used when connecting to upstream EZLogic® conveyor through power supply isolation cable.

25-PVE24EZ

EZLOGIC® ACCUMULATION SYSTEM

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Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Sleep Feature – Stops tread rollers from turning when no product is present, reducing noise, reducing energy consumption and extending roller bearing life.

Unloading Zone Feature - Zone On Delay – Timer delays the zone immediately upstream from a removed load, preventing it from driving for a set time. This feature is ideal where loads are routinely removed from the conveyor with a lift truck.

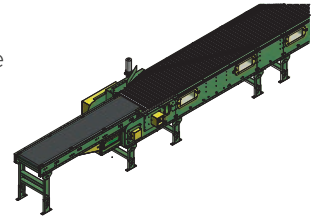
Loading Zone Feature – Zone detects load being placed onto the conveyor with a fork truck and stops the zone from driving and automatically prevents any loads in zones upstream from entering loading area.

PROSORT 1121 & 1131

High-Speed Sortation Conveyor (Small Item)

The ProSort 1121 is designed to sort products at a 22-degree angle where higher speeds are required and close divert centers are not so critical. The ProSort 1131 is designed to sort products at a 30-degree angle where close divert centers are required. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line. The ProSort 1100 family of sorters is designed for high-speed applications where product diverting needs to be both positive and gentle.

- 4 Widths Available
- Right- or Left-Hand Diverts Available
- High Sort Rates
- Sorts Small Fragile Items
- Anodized Aluminum Slats
- Adjustable HS-Type Floor Supports Available



Conveyor shown with optional floor supports.

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[TECHNICAL MANUAL](#)

Gearmotor Wt.	
HP	lbs.
3	198
5	198
7.5	243
10	283
15	454
20	489

Gap Requirements Based on Package Width			
ProSort 1121		ProSort 1131	
Package Width	Minimum Product Gap	Package Width	Minimum Product Gap
Up to 12"	6"	Up to 9"	6"
>12" to 18"	9"	>9" to 12"	9"
>18" to 30"	12"	>12" to 18"	12"
-	-	>18" to 24"	15"
-	-	>24" to 30"	18"

Sorter Conveying Surface Width	Sorter Between Rail Width	Sorter Overall Width	Nominal Sorter Overall Width "OAW"	Induction Bed Width "OAW"	Minimum Spur Width "OAW"	Conveyor Section										
						Drive (not including gearmotor)		Tail (not including induction belt)		Induction Takeup	Divert section w/ 22° divert ProSort 1121		Divert section w/ 30° divert ProSort 1131		Intermediate with no diverter	
						Length	Wt (lbs.)	Length	Wt (lbs.)	Wt (lbs.)	Length	Wt (lbs.)	Length	Wt (lbs.)	Length	Wt (lbs./ft.)
15"	27-1/4"	30-1/4"	30"	18"	22"	48"	792	30"	586	97	60"	351	49"	300	6" to 120"	61
21"	33-1/4"	36-1/4"	36"	24"	28"		841		632	116	74"	476	59"	385		68
27"	39-1/4"	42-1/4"	42"	30"	34"		892		686	135	89"	609	70"	501		76
33"	45-1/4"	48-1/4"	48"	36"	40"		941		733	155	104"	757	80"	596		83

All weight estimates in catalog are conveyor weights only. Accessories, crating, etc., are not included. Weights listed in conveyor sections include chain, slats and shoes used in the section.

Standard Specifications - Induction Conveyor

BELT – Black, high-grip, longitudinal groove with high-speed lacing. Belt width is 6 in. less than overall width.

BED – 12 ga. galvanized slider pan mounted in 6 1/2 in. x 12 ga. painted formed steel channel frame.

INDUCT DRIVE – Timing belt driven at same speed as sorter. The drive pulley is incorporated into the sorter tail assembly. Access holes designed into side plate for ease of pulley removal.

DRIVE PULLEY – 8 in. dia. with 1 11/16 in. dia. shaft at bearings.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAIL PULLEY – 2 1/4 in. dia. machine crowned and easily removable.

TAKE-UP – Take-up in drive provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

PROSORT 1121 & 1131

Standard Specifications

INTERMEDIATE – 17 1/8 in. deep x 1 1/2 in. flange 12 ga. formed steel channel frame; powder-painted with a bolted on aluminum chain support extrusion for a total height of 18 in.

TAIL BED – 18 in. deep x 1 1/2 in. channel 7 ga. formed steel channel flange; powder-painted.

DRIVE SECTION – 30 or 42 in. deep x 4 ga. formed steel channel frame; powder-painted. 42 in. deep drive is needed when length exceeds 210 ft.

CARRYING CHAIN – Dual strands of No. 60 pre-lubricated o-ring roller chain with precision bearings and extended pins.

CHAIN LUBRICATOR – Installed at infeed end to lubricate carrying chains. Gravity feed with 24VDC on/off switch. Flow control valves to control the amount of oil allowed to flow to each of the brush applicators.

SLATS – Anodized aluminum slats supported at each end by bushings and extended chain pins on 1 1/2 in. centers. Slats overlap each other for better product support and to prevent debris from falling into sorter.

DIVERT SHOES – Low friction molded base with pusher face. Steel guide pin for switching and ball bearing cam follower for diverting. Located on 3 in. centers.

SWITCH ASSEMBLY – Pneumatic or electric operated high speed switch assembly mounted with rubber isolators for quietness. Easily removable for maintenance.

SMART PROXIMITY SWITCHES – 24VDC inductive proximity switch. One at each divert. Requires maintained electrical signal for duration of each divert.

SAFETY SWITCHES – Switches located at infeed and discharge ends to detect stray divert shoes or internal jams. Additional switch supplied at 30 ft. intervals. Interrupts power to drive motor when these conditions are detected.

DRIVE – Shaft mounted gear motor. Mounted at discharge end on the opposite side from the diverts. 230/460V, 3Ph., 60Hz. Horsepower based on speed and length requirements.

VARIABLE SPEED CONTROLLER – Provides smooth acceleration of drive motor and speed variations if necessary.

CONVEYING SPEED – Determined by application requirements. Up to 450 FPM on ProSort 1121. Up to 350 FPM on ProSort 1131.

PACKAGE SIZE – Minimum 4 1/2 in. long.

CAPACITY – Maximum load: 25 lbs. per ft. Maximum product weight is 50 lbs.

INDUCTION CONVEYOR – Belt conveyor that is timing belt driven from sorter at same speed as sorter.

FLOOR SUPPORTS – Not supplied as standard. See optional equipment.

PNEUMATIC SWITCH SORTER COMPONENTS:

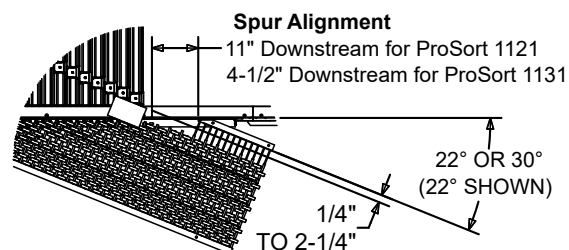
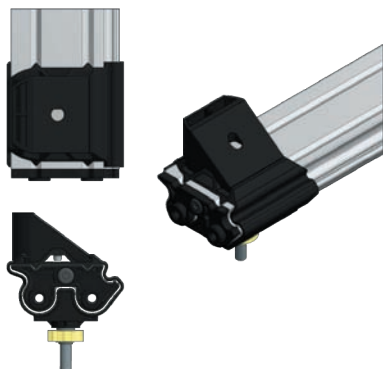
AIR REQUIREMENTS – Free air consumption at 60 PSI equals .002 cu. ft. per divert.

AIR VALVE – High Speed 24VDC single solenoid 4-way air valve at each divert station.

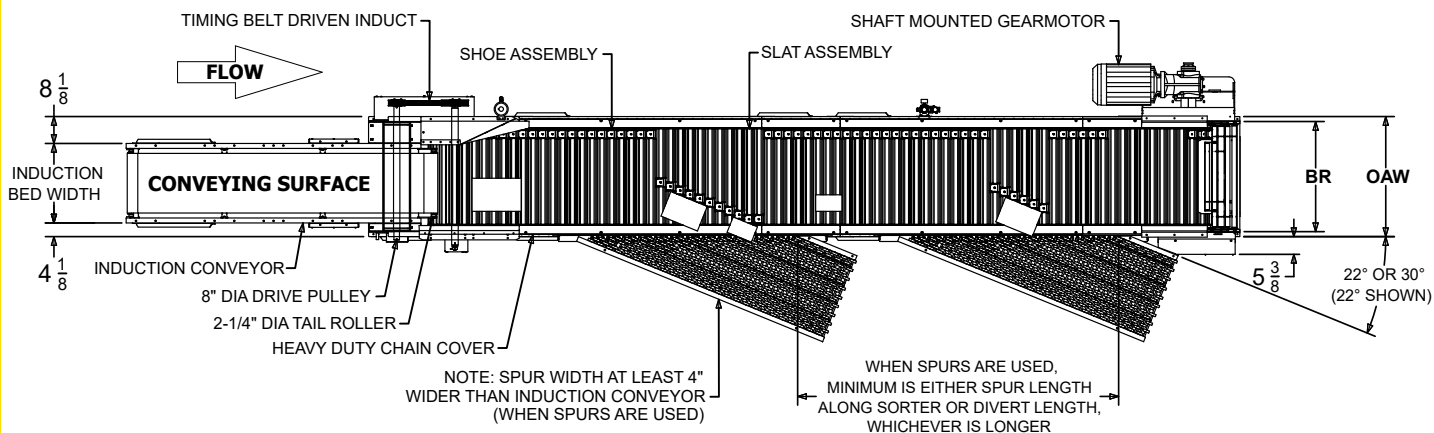
AIR FILTER/REGULATOR – Supplied for main air supply line. 1/2 in. NPT ports. Requires working pressure of 60 PSI.

AIR PRESSURE SWITCH – Install in main air line near the last divert switch. Used to detect low air pressure and turn off drive.

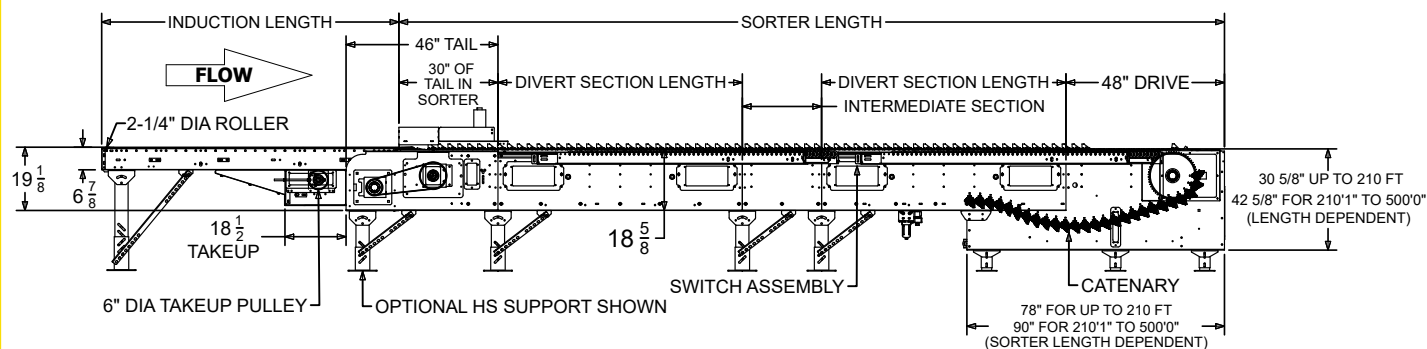
PROSORT 1121 & 1131



SPUR DETAIL VIEW
(SOME DETAILS REMOVED FOR CLARITY)



Note: Spur location is measured beyond the end of the section on both the 22-degree and the 30-degree diverters.



PROSORT 1121 & 1131

Optional Equipment

FLOOR SUPPORTS – HS Type floor supports are available with a wide range of adjustment. Specify top of slat elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HS-6 support. Vibration pads between channel and supports.

TAKE-AWAY LINES – Gravity spurs are available. Consult factory for recommendation of type and configuration.

GUARD RAILS – Solid side guards on switch side only.

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Contact factory for details.

PROSORT 1122 & 1132

High-Speed Sortation Conveyor (Small Item)

The ProSort 1122 is designed to sort products at a 22-degree angle where higher speeds are required and close divert centers are not so critical. The ProSort 1132 is designed to sort products at a 30-degree angle where close divert centers are required. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line. The ProSort 1100 family of sorters is designed for high-speed applications where product diverting needs to be both positive and gentle.

- 4 Widths Available
- Dual, Right- or Left-Hand Diverts Available
- High Sort Rates
- Sorts Small Fragile Items
- Anodized Aluminum Slats
- Adjustable HS-Type Floor Supports Available



Conveyor shown with optional floor supports.



[LEARN MORE](#)

[TECHNICAL MANUAL](#)

Gearmotor Wt.	
HP	lbs.
3	198
5	198
7.5	243
10	283
15	454
20	489

Gap Requirements Based on Package Width			
ProSort 1122		ProSort 1132	
Package Width	Minimum Product Gap	Package Width	Minimum Product Gap
Up to 12"	9"	Up to 9"	9"
>12" to 18"	12"	>9" to 12"	12"
>18" to 30"	15"	>12" to 18"	15"
-	-	>18" to 24"	18"
-	-	>24" to 30"	21"

Sorter Conveying Surface Width	Sorter Between Rail Width	Sorter Overall Width	Nominal Sorter Overall Width "OAW"	Induction Bed Width "OAW"	Minimum Spur Width "OAW"	Conveyor Section										
						Drive (not including gearmotor)		Tail (not including induction belt)		Induction Takeup	Divert section w/ 22° divert ProSort 1122		Divert section w/ 30° divert ProSort 1132		Intermediate with no diverter	
						Length	Wt (lbs.)	Length	Wt (lbs.)	Wt (lbs.)	Length	Wt (lbs.)	Length	Wt (lbs.)	Length	Wt (lbs./ ft.)
15"	31-1/4"	34-1/4"	34"	18"	22"	48"	827	30"	669	97	70"	484	56"	417	6" to 120"	66
21"	37-1/4"	40-1/4"	40"	24"	28"		876		692	116	85"	643	67"	517		73
27"	43-1/4"	46-1/4"	46"	30"	34"		925		774	135	99"	771	77"	610		81
33"	49-1/4"	52-1/4"	52"	36"	40"		974		822	155	114"	934	87"	760		88

All weight estimates in catalog are conveyor weights only. Accessories, crating, etc., are not included. Weights listed in conveyor sections include chain, slats and shoes used in the section.

Standard Specifications - Induction Conveyor

BELT – Black, high-grip, longitudinal groove with high-speed lacing, belt width is 6 in. less than overall width.

BED – 12 ga. galvanized slider pan mounted in 6 1/2 in. x 12 ga. painted formed steel channel frame.

INDUCT DRIVE – Timing belt driven at same speed as sorter. The drive pulley is incorporated into the sorter tail assembly. Access holes designed into side plate for ease of pulley removal.

DRIVE PULLEY – 8 in. dia. with 1 11/16 in. dia. shaft at bearings.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAIL PULLEY – 2 1/4 in. dia.; machine crowned and easily removable.

TAKE-UP – Take-up in drive provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

PROSORT 1122 & 1132

Standard Specifications

INTERMEDIATE – 17 1/8 in. deep x 1 1/2 in. flange 12 ga. formed steel channel frame; powder-painted with a bolted on aluminum chain support extrusion for a total height of 18 in.

TAIL BED – 18 in. deep x 1 1/2 in. channel 7 ga. formed steel channel flange; powder-painted.

DRIVE SECTION – 30 or 42 in. deep x 4 ga. formed steel channel frame; powder-painted. 42 in. deep drive is needed when length exceeds 210 ft.

CARRYING CHAIN – Dual strands of No. 60 pre-lubricated o-ring roller chain with precision bearings and extended pins.

CHAIN LUBRICATOR – Installed at infeed end to lubricate carrying chains. Gravity feed with 24VDC on/off switch. Flow control valves to control the amount of oil allowed to flow to each of the brush applicators.

SLATS – Anodized aluminum slats supported at each end by bushings and extended chain pins on 1 1/2 in. centers. Slats overlap each other for better product support and to prevent debris from falling into sorter.

DIVERT SHOES – Low friction molded base with pusher face. Steel guide pin for switching and ball bearing cam follower for diverting. Located on 3 in. centers.

SWITCH ASSEMBLY – Pneumatic or electric operated high speed switch assembly mounted with rubber isolators for quietness. Easily removable for maintenance.

SMART PROXIMITY SWITCHES – 24VDC inductive proximity switch. One at each divert. Requires maintained electrical signal for duration of each divert.

SAFETY SWITCHES – Switches located at infeed and discharge ends to detect stray divert shoes or internal jams. Additional switch supplied at 30 ft. intervals. Interrupts power to drive motor when these conditions are detected.

Note: ProSort 1122 requires that the catenary section be an intermediate that is at least 56 in. long, or a single divert (with the spur and gearmotor on opposite sides), or that a reverse mounted gearmotor be used with an intermediate catenary section.

ProSort 1132 requires that the catenary section be either an intermediate or a single divert (with the spur and gearmotor on opposite sides).

DRIVE – Shaft mounted gear motor. 230/460V, 3Ph., 60Hz. Horsepower based on speed and length requirements. See note at bottom for mounting requirements.

VARIABLE SPEED CONTROLLER – Provides smooth acceleration of drive motor and speed variations if necessary.

CONVEYING SPEED – Determined by application requirements. Up to 450 FPM on ProSort 1122. Up to 350 FPM on ProSort 1132.

PACKAGE SIZE – Minimum 4 1/2 in. long.

CAPACITY – Maximum load: 25 lbs. per ft. Maximum product weight is 50 lbs.

INDUCTION CONVEYOR – Belt conveyor that is timing belt driven from sorter at same speed as sorter.

FLOOR SUPPORTS – Not supplied as standard. See optional equipment.

PNEUMATIC SWITCH SORTER COMPONENTS:

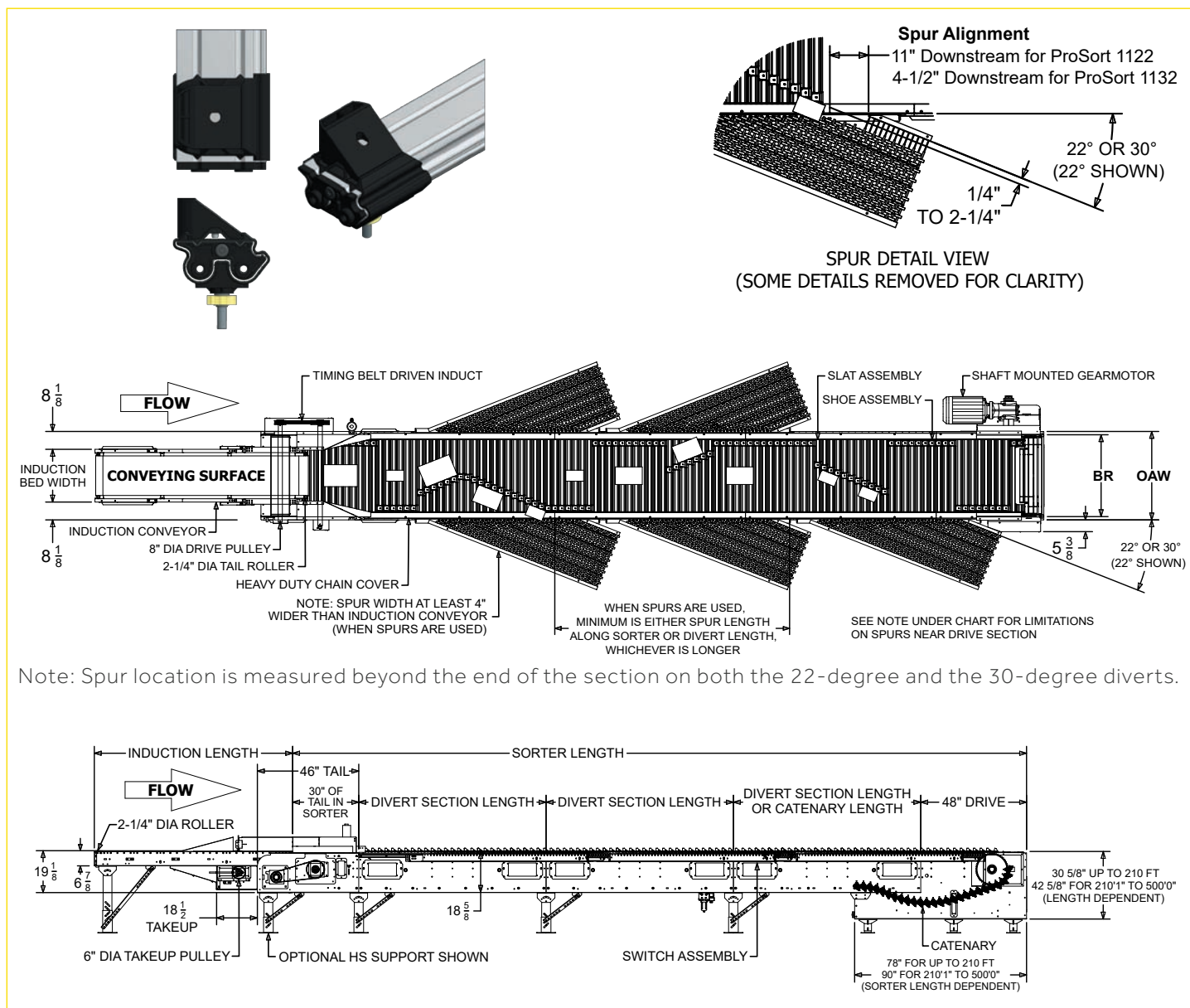
AIR REQUIREMENTS – Free air consumption at 60 PSI equals .002 cu. ft. per divert.

AIR VALVE – High Speed 24VDC single solenoid 4-way air valve at each divert station.

AIR FILTER/REGULATOR – Supplied for main air supply line. 1/2 in. NPT ports. Requires working pressure of 60 PSI.

AIR PRESSURE SWITCH – Install in main air line near the last divert switch. Used to detect low air pressure and turn off drive.

PROSORT 1122 & 1132



Note: Spur location is measured beyond the end of the section on both the 22-degree and the 30-degree diverts.

PROSORT 1122 & 1132

Optional Equipment

FLOOR SUPPORTS – HS Type floor supports are available with a wide range of adjustment. Specify top of slat elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above HS-6 support. Vibration pads between channel and supports.

TAKE-AWAY LINES – Gravity spurs are available. Consult factory for recommendation of type and configuration.

GUARD RAILS – Solid side guards available. Note: must not block take-away lines

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Contact factory for details.

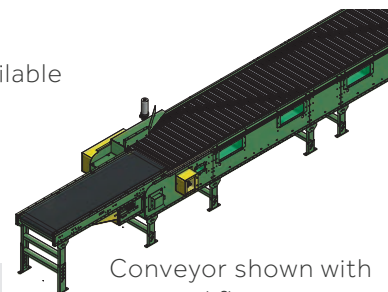
PROSORT 1421 & 1431

High-Speed Sortation Conveyor

The ProSort 1421 is designed to sort products at a 22-degree angle where higher speeds are required and close divert centers are not so critical. The ProSort 1431 is designed to sort products at a 30-degree angle where close divert centers are required. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line. The ProSort 1400 family of sorters are designed for high-speed applications where product diverting needs to be both positive and gentle.

- 5 Widths Available
- Right- or Left-Hand Diverts Available
- High Sort Rates
- Anodized Aluminum Slats
- Adjustable MHS-Type Floor Supports Available

*Note: Spur location is measured beyond the end of the section on both the 22 degree and the 30 degree diverts.



Conveyor shown with optional floor supports.



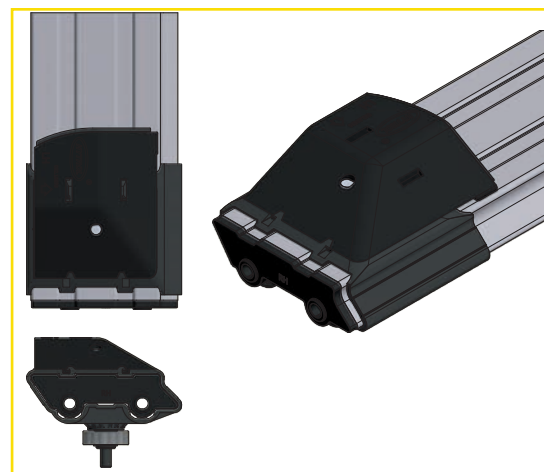
[LEARN MORE](#)

Sorter Conveying Surface Width	Sorter Between Rail Width "BR"	Sorter Overall Width "OAW"	Induction Bed Width "OAW"	Spur Width "OAW"	Conveyor Sections										
					Drive (not including gear- motor)		Tail (not including induction belt)		Induc- tion Takeup	Divert section with 22 degree diverter (ProSort 1421)		Divert section with 30 degree divert (ProSort 1431)		Inter- mediate with no diverter	
					LGTH	Wt (lbs.)	LGTH	Wt (lbs.)	Wt (lbs.)	LGTH	Wt (lbs.)	LGTH	Wt (lbs.)	LGTH	Wt (lbs./ ft.)
15"	30"	33"	18"	22"	60"	1590	36"	971	75	66	547	54	562	6" to 120"	97
21"	36"	39"	24"	28"		1626		1024	95	82	712	64	663		106
27"	42"	45"	30"	34"		1729		1077	114	98	874	74	773		115
33"	48"	51"	36"	40"		1798		1130	133	114	1077	86	933		123
39"	54"	57"	42"	46"		1864		1184	153	130	1270	98	1079		132

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Weights listed in conveyor sections include chain, slats and shoes used in the section.

Gap Requirements Based on Package Width			
ProSort 1421		ProSort 1431	
Package Width	Minimum Product Gap	Package Width	Minimum Product Gap
Up to 13"	10"	Up to 10"	10"
>13" to 26"	16"	>10" to 20"	16"
>26" to 40"	20"	>20" to 30"	20"
		>30" to 40"	26"

Gearmotor Weight	
HP	LBS
5	198
7.5	243
10	283
15	454
20	489
25	676
30	711
40	950



PROSORT 1421 & 1431

Standard Specifications

INTERMEDIATE BED – 20 1/16 in. deep x 1 1/2 in flange 10 ga. formed steel channel frame; powder-painted with a bolted on aluminum chain support extrusion for a total height of 21 in.

TAIL BED – 21 in. deep x 1 1/2 in channel 7 ga. formed steel channel flange; powder-painted.

DRIVE – 38 in. deep x 4 ga. formed steel channel frame; powder-painted.

CARRYING CHAIN – Dual strands of No. 100 pre-lubricated o-ring roller chain with precision bearings and extended pins.

CHAIN LUBRICATOR – Installed at infeed end to lubricate carrying chains. Gravity feed with 24VDC on/off switch. Flow control valves to control the amount of oil allowed to flow to each of the brush applicators.

FLIGHTS – Anodized aluminum slat supported at each end by bushings and extended chain pins on 5 in. centers.

DIVERT SHOES – Low-friction molded breakaway shoe with high friction pusher face. Steel guide pin for switching and ball bearing cam follower for diverting. Located on 5 in. centers.

SWITCH ASSEMBLY – Pneumatic or Electric operated high-speed switch assembly mounted with rubber isolators for quietness. Easily removable for maintenance.

AIR REQUIREMENTS – Free air consumption at 60 PSI equals .0033 cu. ft. per divert only for pneumatic.

AIR VALVE – High speed 24VDC single solenoid 4-way air valve at each divert station only for pneumatic.

AIR FILTER/REGULATOR – Supplied for main air supply line with 1/2 in. NPT ports. Required working pressure of 60 PSI only for pneumatic.

AIR PRESSURE SWITCH – Install in main air line near the last divert switch. Used to detect low air pressure and turn off drive only for pneumatic.

SMART PROXIMITY SWITCHES – 24VDC inductive proximity switch. One at each divert. Requires maintained electrical signal for duration of each divert.

SAFETY SWITCHES – Switches located at infeed and discharge ends to detect stray divert shoes or internal jams. Additional switch supplied at 30 ft. intervals. Interrupts power to drive motor when these conditions are detected.

DRIVE – Shaft mounted gearmotor. Mounted at discharge end on the opposite side from the diverts. 230/460V, 3 Ph. 60 Hz.

VARIABLE SPEED CONTROLLER – Provides smooth acceleration of drive motor and speed variations if necessary.

CONVEYING SPEED – Determined by application requirements. Up to 600 FPM on ProSort 1421. Up to 350 FPM on ProSort 1431.

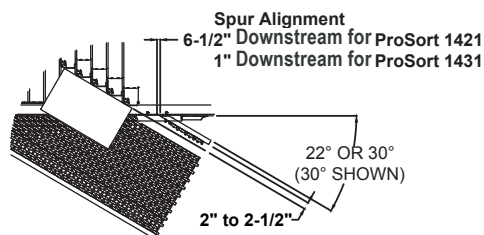
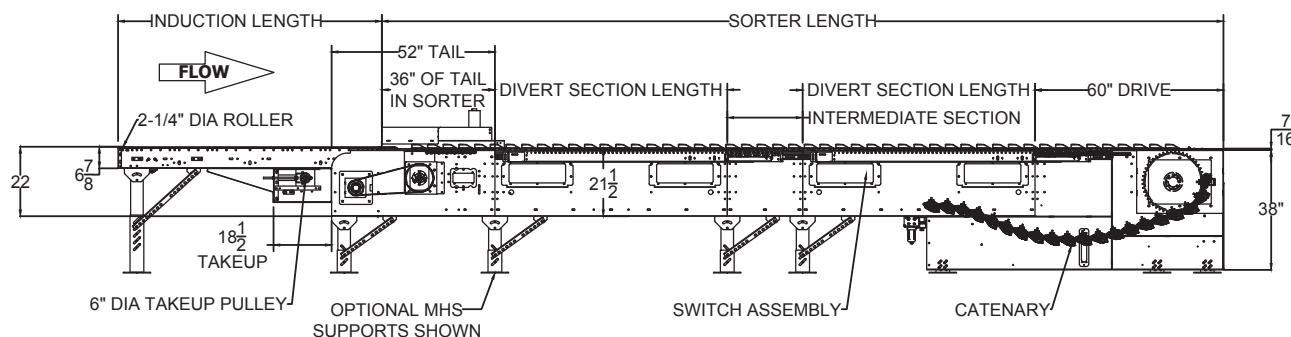
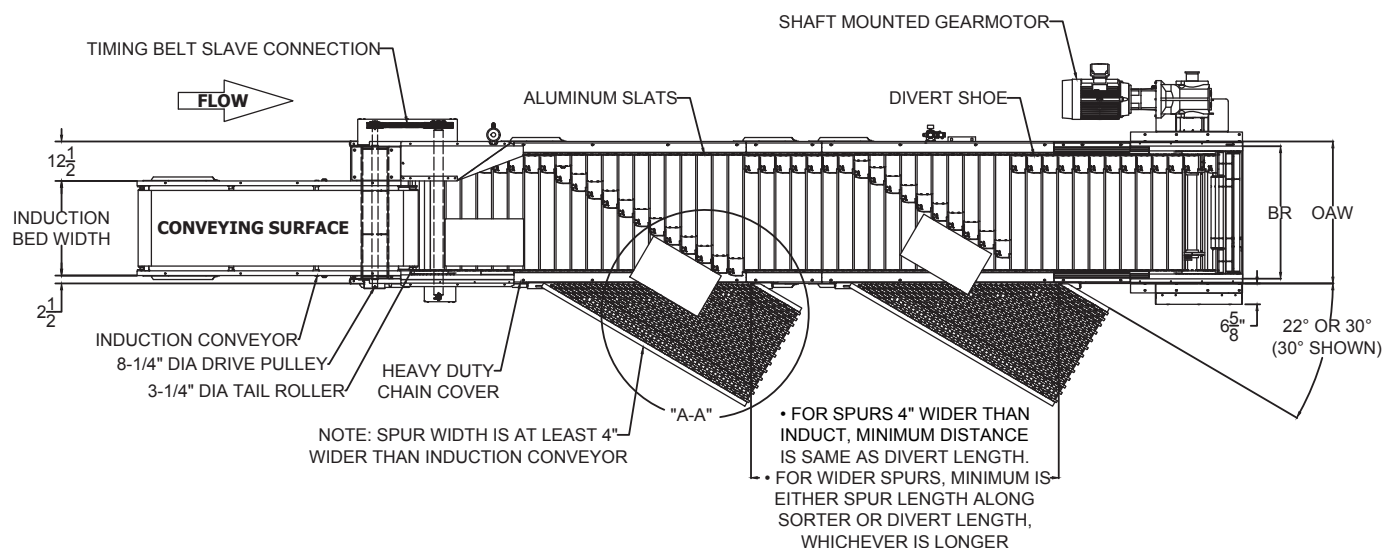
PACKAGE SIZE – Minimum 9 in. long x 4 in. wide.

CAPACITY – Maximum load: 50 lbs. per ft. Maximum product weight is 100 lbs.

INDUCTION CONVEYOR – Belt conveyor slave-driven from sorter at same speed as sorter.

FLOOR SUPPORTS – Not supplied as standard. See optional equipment.

PROSORT 1421 & 1431



VIEW A-A
 (SOME DETAILS REMOVED FOR CLARITY)

PROSORT 1421 & 1431

Standard Specifications - Induction Conveyor

BELT – Black, high-grip, longitudinal groove with high speed lacing. Belt width is 6 in. less than overall width.

BED – 12 ga. Galvanized slider pan mounted in 6 1/2 in x 12 ga. Painted formed steel channel frame.

INDUCT DRIVE – Slave-driven at same speed as sorter via timing belt and is incorporated in the sorter tail assembly. Access holes designed into side plate for ease of pulley removal.

DRIVE PULLEY – 8 1/4 in. dia. with 1 11/16 in. dia. shaft at bearings.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAIL PULLEY – 2 1/4 in. dia. at start of induct and 3 1/4 in. dia. at transition onto slats; machine crowned and easily removeable.

TAKE-UP – Take-ups in drive provide 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

FLOOR SUPPORTS – Not supplied as standard. See optional equipment.

Optional Equipment

FLOOR SUPPORTS – Adjustable MHS type w/ knee braces. Holes in feet for lagging to floor. Specify elevation. Vibration pads between channel and supports.

GUARD RAIL – Solid side guards on switch side only.

FLIGHT TUBES – 1 1/2 in. dia. plated tubing supported at each end by bushings and extended chain pins on 2 1/2 in. centers.

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Consult factory for details.

PROSORT 1422 & 1432

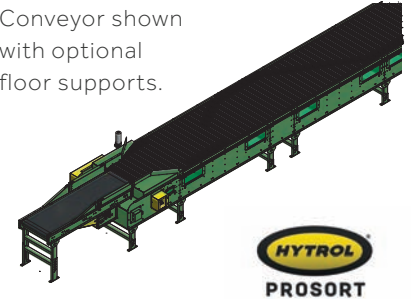
High-Speed Sortation Conveyor

The ProSort 1422 is designed to sort products at a 22-degree angle where higher speeds are required and close divert centers are not so critical. The ProSort 1432 is designed to sort products at a 30-degree angle where close divert centers are required. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line. The ProSort 1400 family of sorters are designed for high speed applications where product diverting needs to be both positive and gentle.

- 5 Widths Available
- Dual, Right- or Left-Hand Diverts Available
- High Sort Rates
- Anodized Aluminum Slats
- Adjustable MHS-Type Floor Supports Available

*Note: Spur location is measured beyond the end of the section on both the 22-degree and the 30-degree diverts.

Conveyor shown with optional floor supports.



[LEARN MORE](#)

Sorter Conveying Surface Width	Sorter Between Rail Width "BR"	Sorter Overall Width "OAW"	Induction Bed Width "OAW"	Spur Width "OAW"	Conveyor Sections										
					Drive (not including gear-motor)		Tail (not including induction belt)		Induction Takeup	Divert section with 22 degree diverter (ProSort 1422)		Divert section with 30 degree divert (ProSort 1432)		Inter-mediate with no diverter	
					LGTH	Wt (lbs.)	LGTH	Wt (lbs.)	Wt (lbs.)	LGTH	Wt (lbs.)	LGTH	Wt (lbs.)	LGTH	Wt (lbs./ft.)
15"	39"	42"	18"	22"	60"	1708	36"	1112	75	86	792	69	719	6" to 120"	111
21"	45"	48"	24"	28"		1780		1165	95	101	957	80	893		120
27"	51"	54"	30"	34"		1847		1218	114	116	1135	90	1024		128
33"	57"	60"	36"	40"		1914		1272	133	131	1326	100	1164		136
39"	63"	66"	42"	46"		1984		1325	153	146	1602	111	1321		145

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Weights listed in conveyor sections include chain, slats, and shoes used in the section.

Gearmotor Weight		Gap Requirements Based on Package Width			
		ProSort 1422		ProSort 1432	
HP	lbs.	Package Width	Minimum Product Gap	Package Width	Minimum Product Gap
5	198	Up to 13"	16"	Up to 10"	16"
7.5	243	>13" to 26"	22"	>10" to 20"	22"
10	283	>26" to 40"	26"	>20" to 30"	26"
15	454	-	-	>30" to 40"	32"
20	489				
25	676				
30	711				
40	950				

Note: ProSort 1422 requires that the catenary section be either an intermediate or a single divert (with the spur and drive on opposite sides). ProSort 1432 requires that the catenary section be either an intermediate or a single divert (with the spur and drive on opposite sides) OR that a reverse mounted gearmotor be used.

PROSORT 1422 & 1432

Standard Specifications

INTERMEDIATE BED – 20 1/16 in. deep x 1 1/2 in flange 10 ga. formed steel channel frame; powder-painted with a bolted on aluminum chain support extrusion for a total height of 21 in.

TAIL BED – 21 in. deep x 1 1/2 in channel 7 ga. formed steel channel flange; powder-painted.

DRIVE – 38 in. deep x 4 ga. formed steel channel frame; powder-painted.

CARRYING CHAIN – Dual strands of No. 100 pre-lubricated o-ring roller chain with precision bearings and extended pins.

CHAIN LUBRICATOR – Installed at infeed end to lubricate carrying chains. Gravity feed with 24VDC on/off switch. Flow control valves to control the amount of oil allowed to flow to each of the brush applicators.

FLIGHTS – Anodized aluminum slat supported at each end by bushings and extended chain pins on 5 in. centers.

DIVERT SHOES – Low-friction molded breakaway shoe with high friction pusher face. Steel guide pin for switching and ball bearing cam follower for diverting. Located on 5 in. centers.

SWITCH ASSEMBLY – Pneumatic or Electric operated high speed switch assembly mounted with rubber isolators for quietness. Easily removable for maintenance.

AIR REQUIREMENTS – Free air consumption at 60 PSI equals .0033 cu. ft. per divert only for pneumatic.

AIR VALVE – High-speed 24VDC single solenoid 4-way air valve at each divert station only for pneumatic.

AIR FILTER/REGULATOR – Supplied for main air supply line with 1/2 in. NPT ports. Required working pressure of 60 PSI only for pneumatic.

AIR PRESSURE SWITCH – Install in main air line near the last divert switch. Used to detect low air pressure and turn off drive only for pneumatic.

SMART PROXIMITY SWITCHES – 24VDC inductive proximity switch. One at each divert. Requires maintained electrical signal for duration of each divert.

SAFETY SWITCHES – Switches located at infeed and discharge ends to detect stray divert shoes or internal jams. Additional switch supplied at 30 ft. intervals. Interrupts power to drive motor when these conditions are detected.

DRIVE – Shaft mounted gearmotor. Mounted at discharge end on the opposite side from the diverts. 230/460V, 3 Ph. 60 Hz.

VARIABLE SPEED CONTROLLER – Provides smooth acceleration of drive motor and speed variations if necessary.

CONVEYING SPEED – Determined by application requirements. Up to 600 FPM on ProSort 1422. Up to 350 FPM on ProSort 1432.

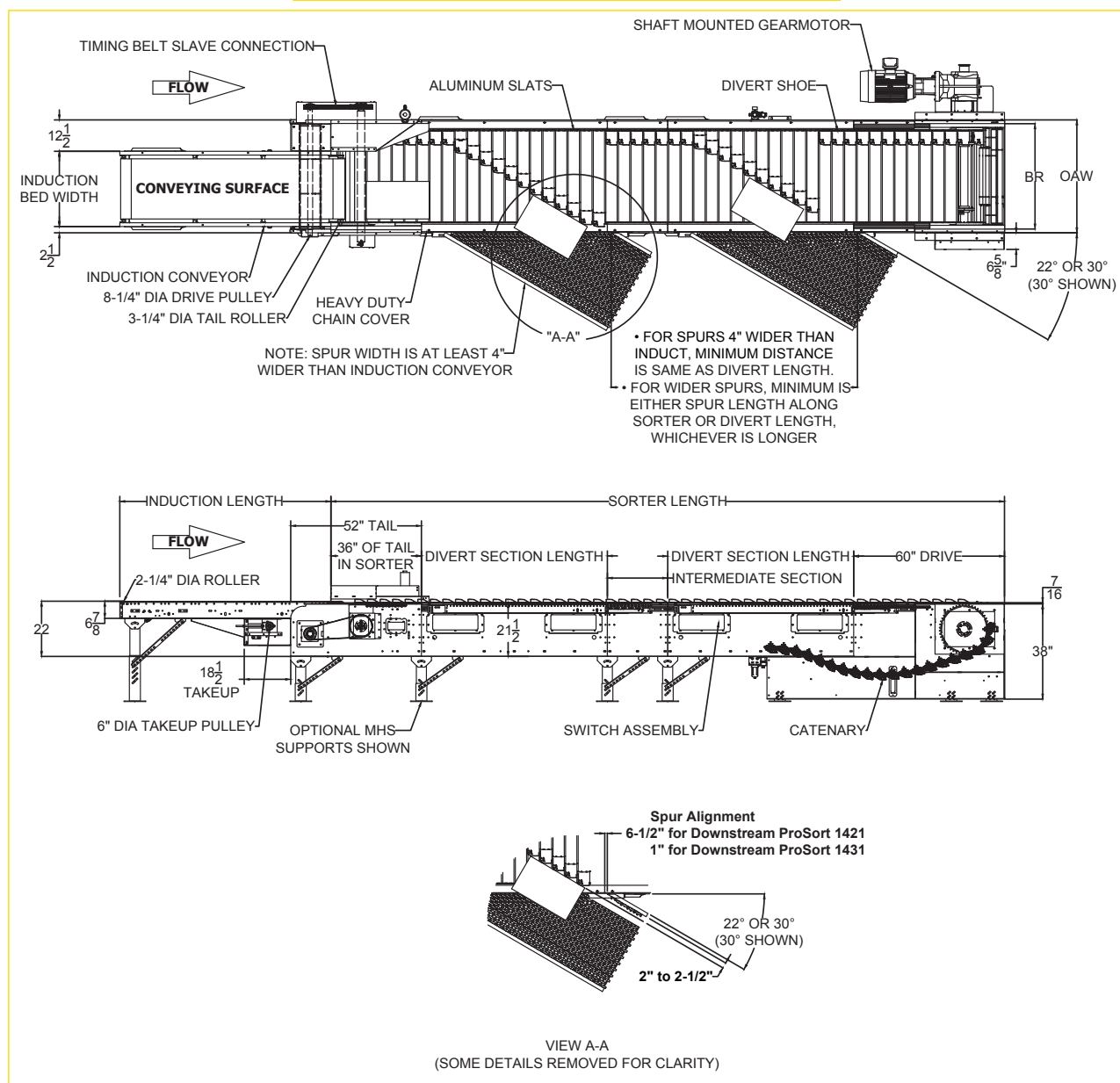
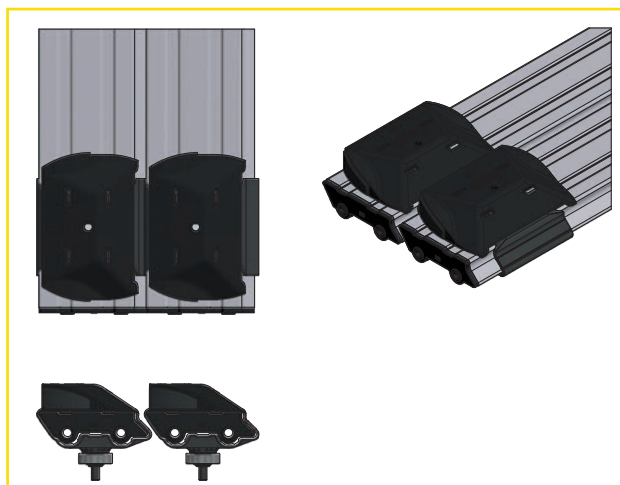
PACKAGE SIZE – Minimum 9 in. long x 4 in. wide.

CAPACITY – Maximum load 50 lbs. per ft. Maximum product weight is 100 lbs.

INDUCTION CONVEYOR – Belt conveyor slave-driven from sorter at same speed as sorter.

FLOOR SUPPORTS – Not supplied as standard. See optional equipment.

PROSORT 1422 & 1432



PROSORT 1422 & 1432

Standard Specifications - Induction Conveyor

BELT – Black, high-grip, longitudinal groove with high-speed lacing. Belt width is 6 in. less than overall width.

BED – 12 ga. galvanized slider pan mounted in 6 1/2 in x 12 ga. Painted formed steel channel frame.

INDUCT DRIVE – Slave-driven at same speed as sorter via timing belt and is incorporated in the sorter tail assembly. Access holes designed into side plate for ease of pulley removal.

DRIVE PULLEY – 8 1/4 in. dia. with 1 11/16 in. dia. shaft at bearings.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

TAIL PULLEY – 2 1/4 in. dia. at start of induct and 3 1/4 in. dia. at transition onto slats; machine crowned and easily removeable.

TAKE-UP – Take-ups in drive provide 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive.

FLOOR SUPPORTS – Not supplied as standard. See optional equipment.

Optional Equipment

FLOOR SUPPORTS – Adjustable MHS type w/ knee braces. Holes in feet for lagging to floor. Specify elevation. Vibration pads between channel and supports.

GUARD RAIL – Solid side guards on switch side only.

FLIGHT TUBES—1 1/2 in. dia. plated tubing supported at each end by bushings and extended chain pins on 2 1/2 in. centers.

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Consult factory for details.

PROSORT MRT 90

90° Roller Transfer Conveyor

The model ProSort MRT is a sorter for medium-sized items. Product is transported on multiple narrow belts. Rollers pop up between the belts to transfer items at right angles to the sorter.

- Right-Angle Transfer
- Two-Sided Transfer
- High Sort Rates
- Close Transfer Locations
- Flexible Sort Locations
- HyPower Distributed Cabling System

Conveyor shown with optional floor supports.



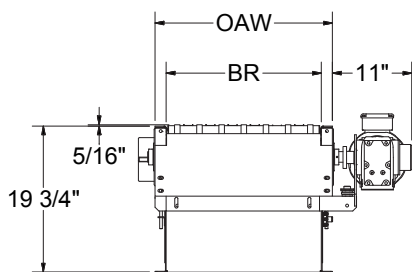
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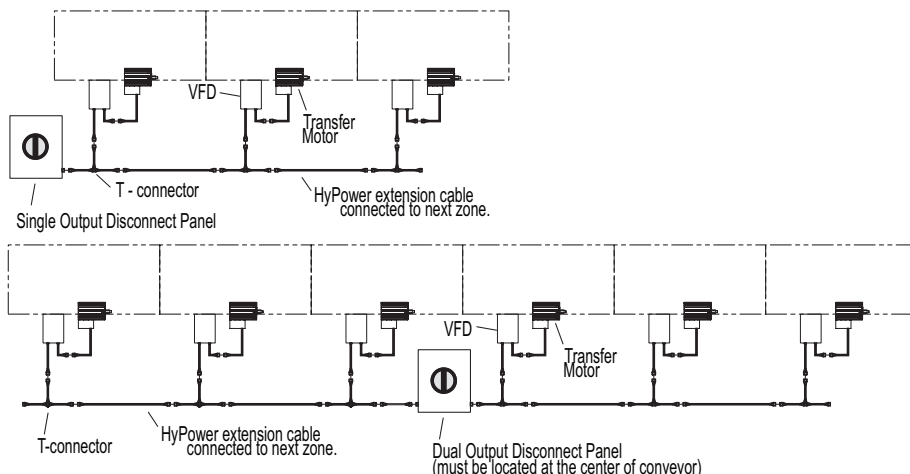
Tail and Intermediate Section Length	Between Rail "BR"	Overall Width "OAW"	Number of Belts
24"	15"	18"	4
27"	18"	21"	5
30"	21"	24"	6
33"	24"	27"	7
36"	27"	30"	8
39"			
42"			
45"			
48"			
51"			
54"			
57"			
60"			
66"			
72"			
78"			
84"			
90"			
96"			
102"			
108"			
114"			
120"			

Maximum Live Conveyor Load		
Overall Width "OAW"	Number of Belts	Maximum Conveyor Load (lbs.)
18"	4	1200
21"	5	1500
24"	6	1800
27"	7	2100
30"	8	2400

Technical drawing of a conveyor system showing dimensions: OAW (Overall Width), BR (Between Rail), 11" (width of the motor housing), 5/16" (height of the belt support), and 19 3/4" (height of the conveyor frame).



DISCHARGE END VIEW



Conveyor Weights			
Overall Width "OAW"	Drive Weight (lbs.)	Roller Transfer Weight (lbs.)	Conveyor Weight lbs. Per Foot
18"	185	102	13.6
21"	195	114	14.9
24"	205	126	16.1
27"	215	138	17.3
30"	225	150	18.5

Total Weight = Drive Weight + Roller Transfer Weight + (Conveyor Weight Per Foot x OAL)



Close-up of pop-up roller transfer

Disconnect Panel	230V	460V
	3 Ph. 60 Hz	3 Ph. 60 Hz
Single Output	1-3 Transfers	1-6 Transfers
Dual Output	4-6 Transfers	7-12 Transfers

Note: Sorters over 50 ft. long require a dual output disconnect panel.

PROSORT MRT 90

Standard Specifications

BELT – Endless ARAMIDE Power Transmission Belt TF-102T

BED – UHMW wear strip spaced every 3 in., mounted in 6 1/2 in. x 1 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with butt coupling.

END DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged with driven pop-out roller.

SNUB PULLEY – 4 in. dia. pulley with 1 in. dia. shaft at bearings. Drilled and tapped both ends for encoder.

INFEED IDLER PULLEY – 4 in. dia. x 1 1/2 in. wide crowned sheave with precision bearings.

PNEUMATIC TAKE-UP – Take-up provides 14 in. of individual belt take-up. 25 PSI max on filter regulator. One pneumatic take-up for every 75 ft. of conveyor length needed.

AIR FILTER/REGULATOR – Supplied for main air line.

RETURN ROLLERS – 1.9 in. dia. galvanized tube with ABEC bearings. With cardboard tube inserts.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collars. Pre-lubricated ball bearings in return rollers.

DRIVE – Shaft mounted gearmotor, 230/460/575V, 3 Ph. 60 Hz. energy efficient, with an AC variable frequency controller.

BELT SPEED – Determined by application requirements including rate required, package size, and weight.

TRACKING ENCODER – Provided on snub pulley in drive section. Contact factory for encoder specification.

CAPACITY – Maximum unit package weight 75 lbs. Maximum distributed load determined by number of belts under product (see chart). 150 ft. maximum length. NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Standard Specifications - 90° Medium Roller Transfer

CAPACITY – Maximum unit package weight of 75 lbs.

PACKAGE SIZE – Minimum of 8 in. long x 6 in. wide. Maximum length of 28 in.

TRANSFER MECHANISM – Series of 1 1/2 in. dia. x 17 in. long drive rollers with 3/32 in. lagging. Driven by 1 in. wide flexproof endless polyester belt.

AIR CYLINDER – 100 mm bore x 20 mm stroke guided table cylinder.

AIR REQUIREMENTS – Working pressure 60 PSI. Free air consumption at 60 PSI, .0556 cu. ft. per cycle.

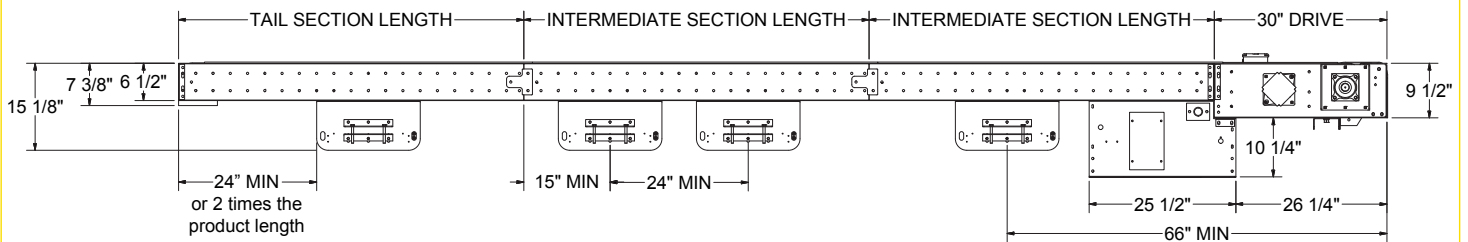
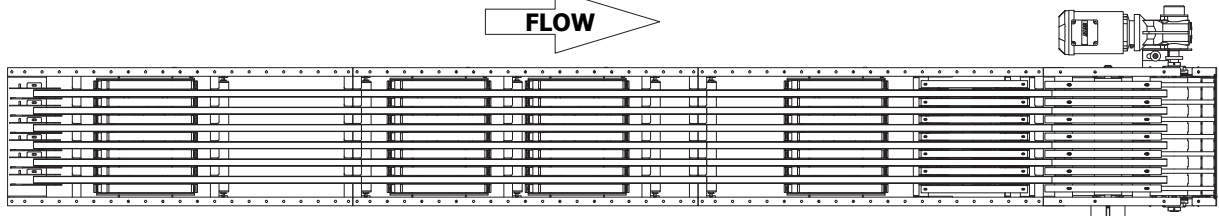
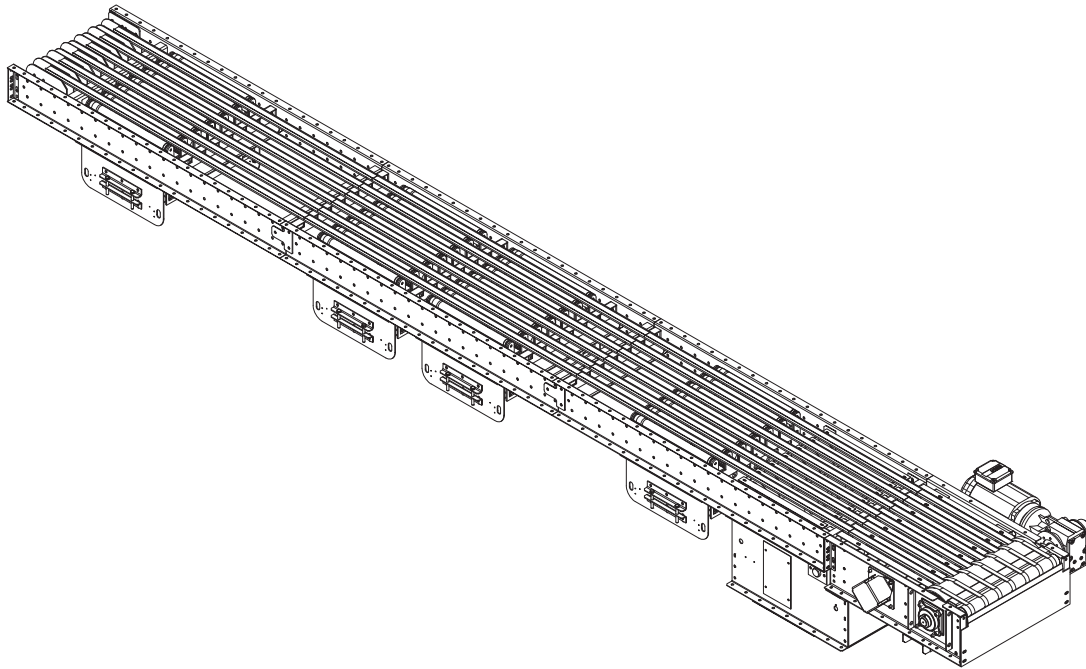
AIR VALVE – 24VDC single solenoid 4-way air valve.

MOTOR – 1/2 HP, 230/460 V, 3 Ph. 60 Hz. flange mount gearmotor.

AC DRIVE – 1/2 HP, AC variable frequency controller.

HYPOWER DISTRIBUTED CABLING SYSTEM – Supplies distributed power to transfer motors. See diagram on pg. 240. Electrical Code: All motor controls and wiring shall conform to the National Electrical Code (Article 670 or other applicable articles) as published by the National Fire Protection Association and as approved by the American Standards Institute, Inc. Subject to local code and local customer acceptance.

PROSORT MRT 90



PROSORT MRT 90

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt elevation. One support required at every bed joint and ends of conveyor. Holes are in feet for lagging to floor. Knee braces supplied with MS-7 supports and above.

GUARD RAILS – Continuous adjustable channel, fixed channel or type A and B angle. Note: If product comes in contact with guard rails, products may not transfer.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

MOTOR – Single phase and other characteristics are available. For conveyor unit only.

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Contact factory for details.

PLUG-N-GO WIRING – Available with ProLogix® Control Package.

PROSORT MRT 30

30° Roller Transfer Conveyor

The model ProSort MRT is a sorter for medium-sized items. Product is transported on multiple narrow belts. Diverter wheels pop up between the belts to transfer items at 30-degree angles to the sorter.

- 30-Degree Angle Transfer
- Left- or Right-Handed Transfer
- High Sort Rates
- Close Transfer Locations
- Flexible Sort Locations
- HyPower Distributed Cabling System

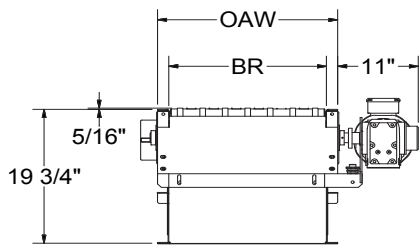
Conveyor shown with optional floor supports.


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Tail and Intermediate Section Length
24"
27"
30"
33"
36"
39"
42"
45"
48"
51"
54"
57"
60"
66"
72"
78"
84"
90"
96"
102"
108"
114"
120"

Conveyor Weights			
Overall Width "OAW"	Drive Weight (lbs.)	Roller Transfer Weight (lbs.)	Conveyor Weight lbs. Per Foot
18"	185	112	13.6
21"	195	129	14.9
24"	205	146	16.1
27"	215	163	17.3
30"	225	180	18.5

Total Weight = Drive Weight + Roller Transfer Weight + (Conveyor Weight Per Foot x OAL)

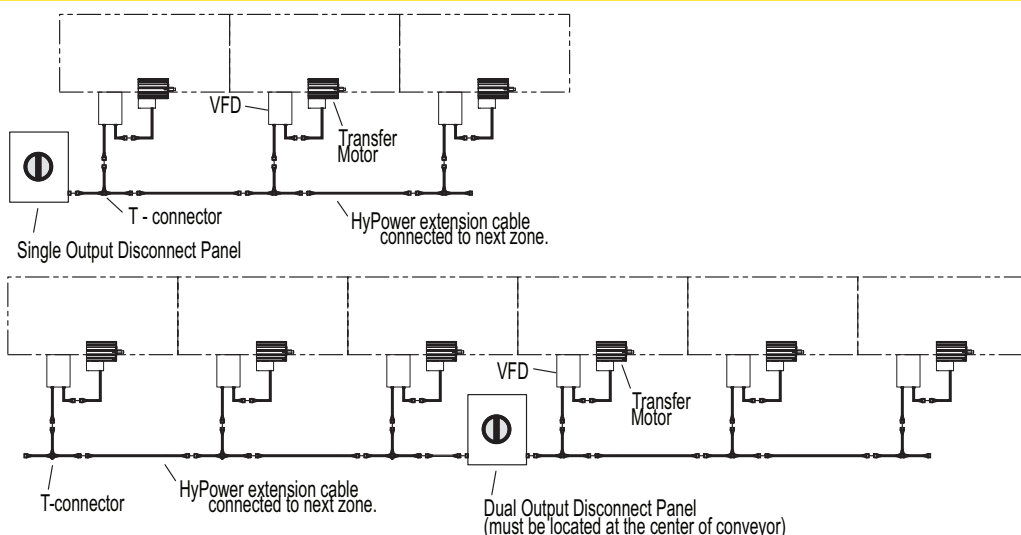


DISCHARGE END VIEW

Between Rail "BR"	Overall Width "OAW"	Number of Belts
15"	18"	4
18"	21"	5
21"	24"	6
24"	27"	7
27"	30"	8

Maximum Live Conveyor Load

Overall Width "OAW"	Number of Belts	Maximum Conveyor Load (lbs.)
18"	4	1200
21"	5	1500
24"	6	1800
27"	7	2100
30"	8	2400



PROSORT MRT 30

Standard Specifications

BELT – APH 150 HTS x 15/16 in. wide with alligator 125 staple lacing.

BED – UHMW wear strip spaced every 3 in., Mounted in 6 1/2 in. x 1 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with butt coupling.

END DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

SNUB PULLEY – 4 in. dia. pulley with 1 in. dia. shaft at bearings. Drilled and tapped both ends for encoder.

INFEED IDLER PULLEY – 4 in. dia. x 1 1/2 in. wide crowned sheave with precision bearings.

PNEUMATIC TAKE-UP – Take-up provides 14 in. of individual belt take-up. 25 PSI max on filter regulator. Need one pneumatic take-up for every 75 ft. of conveyor length.

AIR FILTER/REGULATOR – Supplied for main air line.

RETURN ROLLERS – 1.9 in. dia. galvanized tube with ABEC bearings and cardboard tube inserts.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collars. Pre-lubricated ball bearings in return rollers.

DRIVE – Shaft mounted gearmotor, 230/460/575V, 3 Ph. 60 Hz. energy efficient, with an AC variable frequency controller.

BELT SPEED – Determined by application requirements including rate required, package size, and weight.

TRACKING ENCODER – Provided on snub pulley in drive section. Contact factory for encoder specification.

CAPACITY – Maximum unit package weight is 75 lbs. Maximum distributed load determined by number of belts under product (see chart). 150 ft. maximum length. NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Standard Specifications - 30° Diverter Wheel Transfer

CAPACITY – Maximum unit package weight of 75 lbs.

PACKAGE SIZE – Minimum of 8 in. long x 6 in. wide

TRANSFER MECHANISM – Series of 1 3/4 in. dia. precision bearing diverter wheels with. Driven by 1 in. wide flexproof endless polyester belt.

AIR CYLINDER – Two 40mm bore x 2 in. stroke cylinders.

AIR REQUIREMENTS – Working pressure 60 PSI. Free air consumption at 60 PSI, .053 cu. ft. per cycle.

HYPOWER DISTRIBUTED CABLING SYSTEM – Supplies distributed power to transfer motors (see diagram). Electrical Code: All motor controls and wiring shall conform to the National Electrical Code (Article 670 or other applicable articles) as published by the National Fire Protection Association and as approved by the American Standards Institute, Inc. Subject to local code and local customer acceptance.

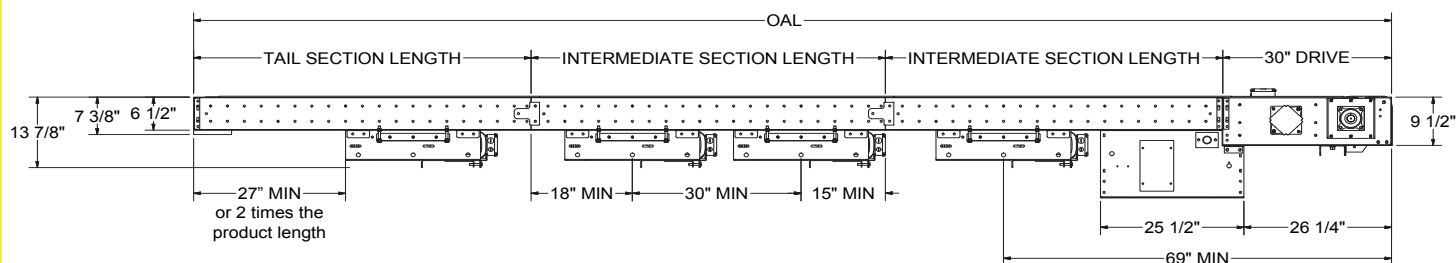
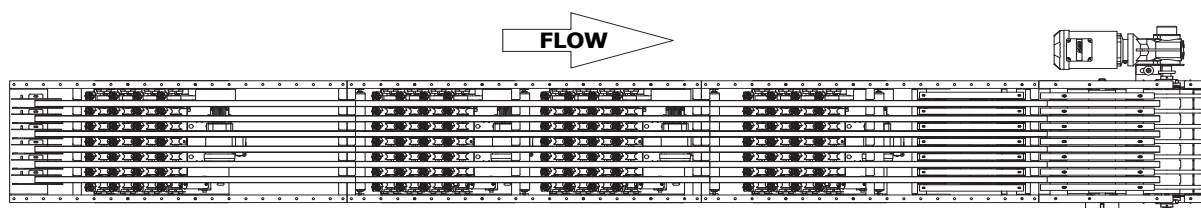
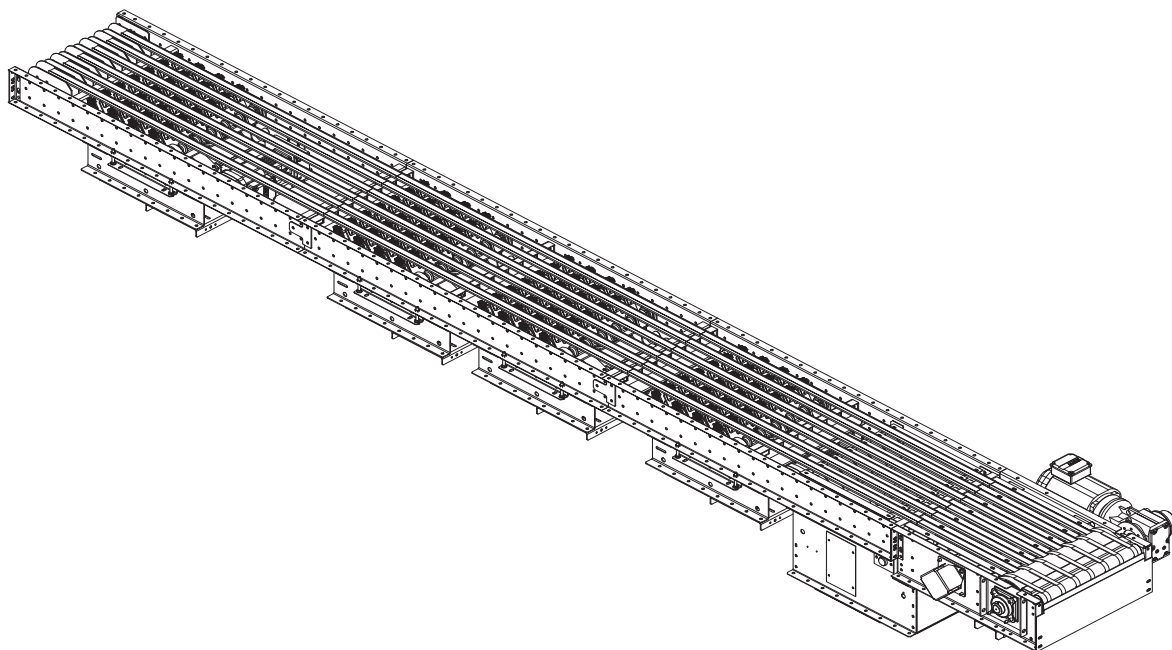
AIR VALVE – 24VDC single solenoid 4-way air valve.

MOTOR – 1/2 HP, 230/460 V, 3 Ph. 60 Hz. Flange Mount Gearmotor.

AC DRIVE – 1/2 HP, AC variable frequency controller.

TRANSFER SPEED – 275 FPM @ 60 Hz.; 367 FPM @ 80 Hz.

PROSORT MRT 30



PROSORT MRT 30

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt elevation. One support required at every bed joint and ends of conveyor. Holes are in feet for lagging to floor. Knee braces supplied with MS-7 supports and above.

GUARD RAILS – Continuous adjustable channel, fixed channel or type A and B angle. Note: If product comes in contact with guard rails, products may not transfer.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

MOTOR – Single phase and other characteristics are available. For conveyor unit only.

PROLOGIX® CONTROL PACKAGE – Provides complete controls for proper sorter operation. Contact factory for details.

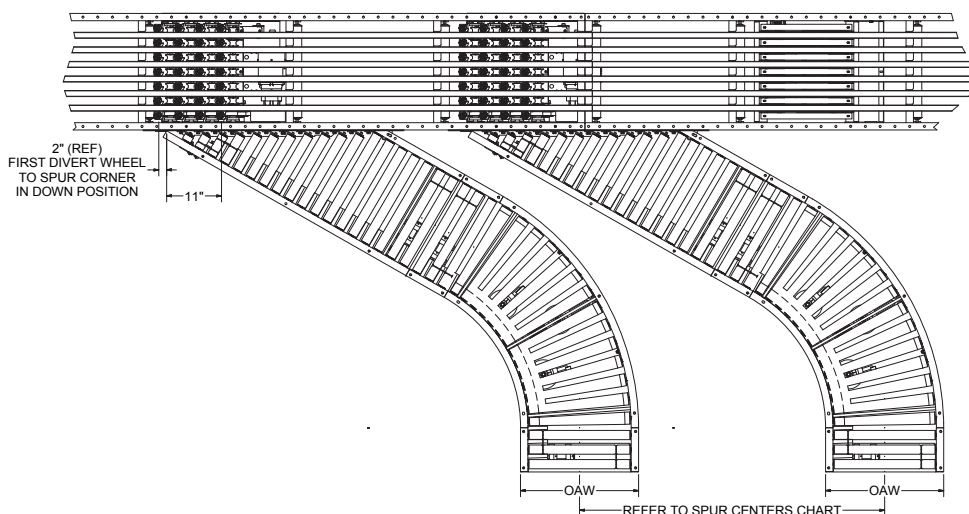
PLUG-N-GO WIRING – Available with ProLogix® Control Package.

Spur Centers Chart	
OAW	Min Ctrs
18"	42"
21"	48"
24"	54"
27"	60"
30"	66"

Disconnect Panel	230V	460V
	3 Ph. 60 Hz.	3 Ph. 60 Hz.
Single Output	1-3 Transfers	1-6 Transfers
Dual Output	4-6 Transfers	7-12 Transfers

Note: Sorters over 50 ft. long require a dual output disconnect panel.

Products must be justified to divert side.



VIPERSORT

Right-Angle Sortation Conveyor

The model ViperSort is a right-angle sortation conveyor used to sort small- to medium-size products. The ViperSort utilizes a patented design which enables the sorting of cylindrical products, extremely thin items such as blister packs, vinyl envelopes, and other problematic items.

[LEARN MORE](#)

- 4 Widths Available
- Sorts Up to 120 Items Per Minute
- Blue Acetal Open Grid 1 in. Pitch Cleated Plastic Belt
- Flexible Sort Locations
- Adjustable MS-Type Floor Supports Available
- Close Divert Centers



Overall Width	Belt Width	Base Weight with Gravity Catenary	Base Weight with Pneumatic Catenary	Conveyor Weight lbs. Per Foot
13 1/4"	12"	428 lbs.	599 lbs.	14.3
15 1/4"	14"	448 lbs.	618 lbs.	15.7
17 1/4"	16"	463 lbs.	639 lbs.	17.1
19 1/4"	18"	488 lbs.	658 lbs.	18.5

Total Weight = Base Weight + (Conveyor Weight per Foot x (Overall Length - 9 ft.)) + (115 lbs. x Num. of Diverters)

Standard Specifications - Conveyor

BELT – Blue, acetal open grid 1 in. pitch with cleat every 2.1 in.

BED – 6 3/8 in. deep x 12 ga. formed steel bed powder-painted with aluminum guide rail extrusion and capped with UHMW wearstrip placed on bed for carry way.

DRIVE SPROCKET – 9.7 in. PD split steel sprocket 2 1/2 in. square bore.

TAIL SPROCKET – 6.1 in. PD split steel sprocket 2 1/2 in. square bore.

RETURN CARRY WAY – Aluminum guide rail extrusion capped with UHMW wearstrip placed on inside of bed bottom flange.

TAKE-UP – 80 ft. and less have gravity catenary, over 80 ft. has pneumatic take-up with 6 in. pulleys.

BEARINGS – 4-bolt, 1 15/16 in. bore cast iron sealed, pre-lubricated, self-aligning ball bearing with eccentric lock collars.

DRIVE – Shaft-mounted gearmotor 230V or 460V, 3 Ph. 60 Hz.

CAPACITY – Maximum unit package weight 25 lbs. For maximum conveyor distributed load. Contact factory.

AIR FILTER/REGULATOR – Use with pneumatic take-up. Supplied for main air supply line with 1/2 in. NPT ports. Required working pressure of 15 to 20 PSI, 20 PSI max.

VARIABLE SPEED CONTROLLER – Provides smooth acceleration of drive motor and speed variations, if necessary. Maximum belt speed is 120 FPM.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

PROLOGIX® VIPERSORT CONTROL PACKAGE – Provides complete controls for proper sorter operation. Contact factory for details.

BELT – Blue acetal flat top 1 in. pitch; less cleats.

DUAL-SIDED DIVERTERS – Pushers located on both sides with staggered centers

VIPERSORT

Standard Specifications - Pusher

RATE – Up to 120 items per minute depending on item size and weight.

CAPACITY – Maximum unit package weight 25 lbs. See Rate.

PACKAGE SIZE – 24 in. long maximum. If over 24 in. contact factory.

AIR CYLINDER – High speed 32mm dia. bore x 325mm stroke guided cylinder.

AIR REQUIREMENTS – Working pressure 60 PSI. Free air consumption at 60 PSI, 0.1 cu. ft. per cycle.

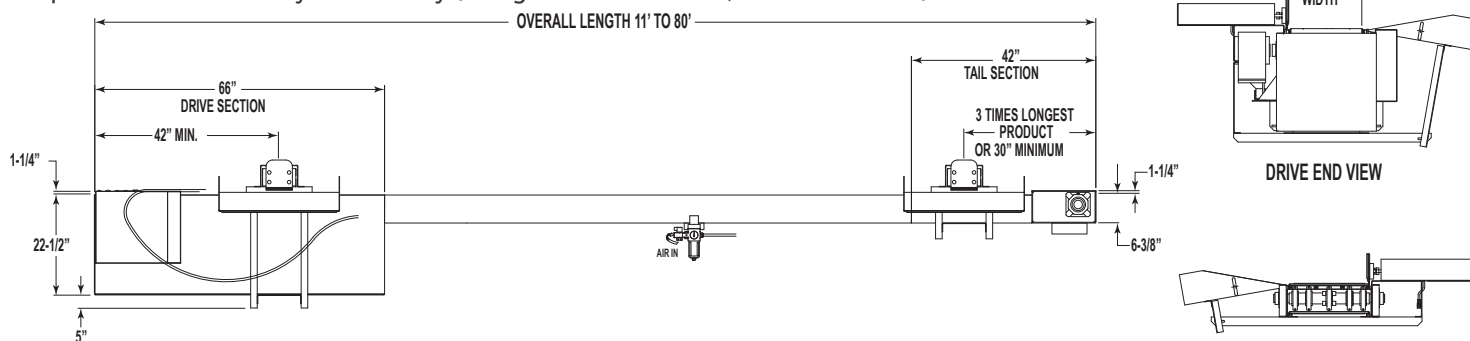
AIR VALVE – 24VDC double solenoid 4-way air valve.

AIR FILTER/REGULATOR WITH LOCKOUT – Supplied for main air supply line with 3/4 in. NPT ports. Maximum of 6 diverts per regulator.

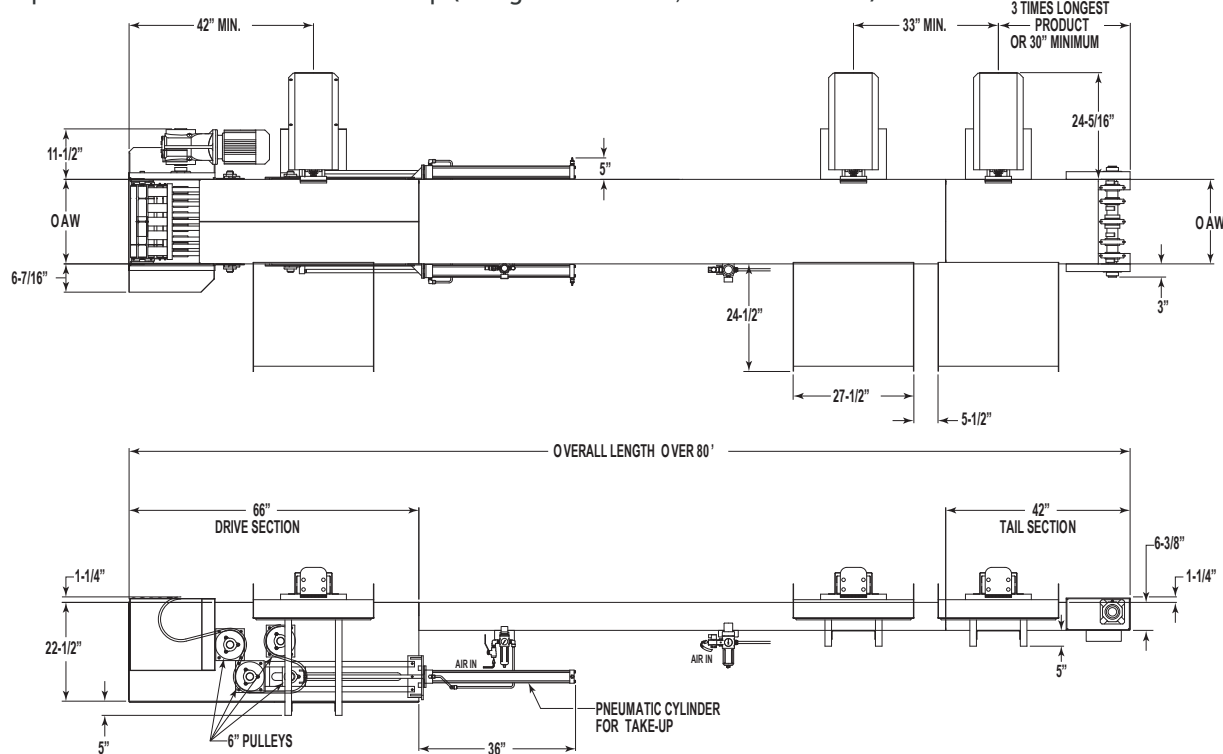
CHUTE – Adjustable 27 1/2 in. wide x 24 in. long x 12 ga. formed steel chute; powder-painted.

STROKE SENSOR – Two 24VDC sensors, adjustable for setting stroke length and determining home position.

ViperSort with Gravity Cantenary (Lengths of 11' to 80', 6" Increments)



ViperSort with Pneumatic Take-Up (Lengths over 80', 6" Increments)

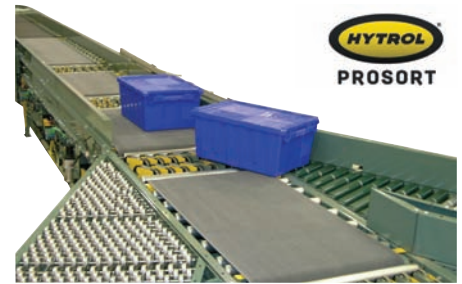


PROSORT SC1 & SC2

Belted Pivot Wheel Sortation Conveyor

The ProSort SC series of sorters are belt-driven sortation conveyors. The belt concept provides a reliable method of tracking packages to the divert stations. Take-away spurs may be skatewheel-type or powered-type slaved from the main sorter.

- 4 Belt Widths
- Right-Hand, Left-Hand, or Two-Sided Diverts Available
- Adjustable MS-Type Floor Supports Available



[LEARN MORE](#)

[TECHNICAL MANUAL](#)

Overall Width "OAW"	Between Rail Width "BR"	Belt Width	Minimum Divert Centers	Slaved Spur Length	Base Weight	Conveyor Weight Per Foot	Diverter Weight	Slaved Spur Weight	Gearmotor Wt.	
									HP	lbs.
18"	15"	12"	42"	57"	480	21	300	115	3	100
24"	21"	18"	54"	57"	570	23	365	130	5	126
30"	27"	24"	66"	57"	660	26	430	140	7.5	152
36"	33"	30"	78"	69"	750	29	495	175	10	192

Note: To calculate conveyor weight use the following formula:

Total Weight = Base weight + Gearmotor weight + (Conveyor weight per foot x Overall Length) + (Diverter weight x Number of diverters) + (Slaved spur weight x Number of slaved spurs)

Standard Specifications - Diverter

CAPACITY – Maximum unit package weight: 75 lbs.

PACKAGE SIZE – Minimum: 6 in. wide x 9 in. long. Note: Small packages must not be top heavy.

DIVERTER MECHANISM – Two banks of twin pivoting 3 1/8 in. dia. wheels with urethane treads driven by 3/8 in. dia. urethane belts. Double sided diverts not available on 18 in. OAW.

AIR CYLINDER – 32mm dia. bore x 7/8 in. stroke double acting. Dual cylinder for two-sided diverters.

AIR REQUIREMENTS – Working pressure 30 to 40 PSI depending on width. Free air consumption at 40 PSI, .024 cu. ft. per cycle.

AIR VALVE – 24VDC single solenoid 4-way air valve, two per single-sided diverter, four per double-sided diverter.

AIR FILTER/REGULATOR – Supplied for main air supply line with 1/2 in. NPT ports. Required working pressure 30 to 40 PSI.

DRIVE – Slave driven from main belt conveyor.

PROSORT SC1 & SC2

Standard Specifications

BELT – Ultimate 140 BBS-Nitrile.

BED – Roller bed with 1.9 in. dia.x 16 ga. galvanized rollers with ABEC-1 bearings spaced every 3 in. Mounted in 6 1/2 in.x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

DRIVE PULLEY – 8 in. dia. with 1 11/16 in. dia. shaft at bearings; machine crowned and fully lagged.

INFEED TAIL PULLEY – 3 1/4 in. dia. drop-in pulley; machine-crowned.

DISCHARGE TAIL PULLEY – 6 in. dia. with 1 7/16 in. dia shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/2 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 2 1/2 in. dia. pre-lubricated ball bearings.

TAKE-UP PULLEY – 6 in. dia. with 1 7/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP – Take-up in center drive provides 15 in. (heavy-duty drive) or 36 in. (high-performance drive) of belt take-up.

PNEUMATIC TENSIONER – Provides constant belt tension on high-performance drives. Supplied with regulator for 12-15 PSI.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collars. Pre-lubricated ball bearings in tread rollers.

DRIVE – Heavy-duty (1 to 3 diverts and less than 30 ft. OAL) or high-performance center drive, located at discharge end. Shaft-mounted gearmotor and variable speed controller, 230V or 460V, 3Ph. 60 Hz. Horsepower based on speed and length requirements.

TRACKING ENCODER – Provided on take-up pulley shaft. Contact factory for encoder specifications.

BELT SPEED – Determined by application requirements. 300 FPM maximum.

CAPACITY – Maximum unit package weight: 75 lbs. Maximum distributed load of 4000 lbs. Maximum conveyor length is 150 ft.

MAXIMUM NUMBER OF DIVERTERS – Double-sided with slaved spurs: 7 diverters (plus one positioning diverter). Single-sided with slaved spurs: 9 diverters. Single- or double-sided with non-slaved spurs: 12 diverters.

FLOOR SUPPORTS – Supplied as optional equipment.

Standard Specifications - Powered Spur

BED – Roller bed with 1.9 in. dia.x 16 ga. galvanized rollers with ABEC-1 bearings and plastisol coating in spur area spaced every 3 in. Mounted in 6 1/2 in.x 12 ga. powder-painted formed steel channel frame.

DRIVE – Slave-driven from main sorter conveyor.

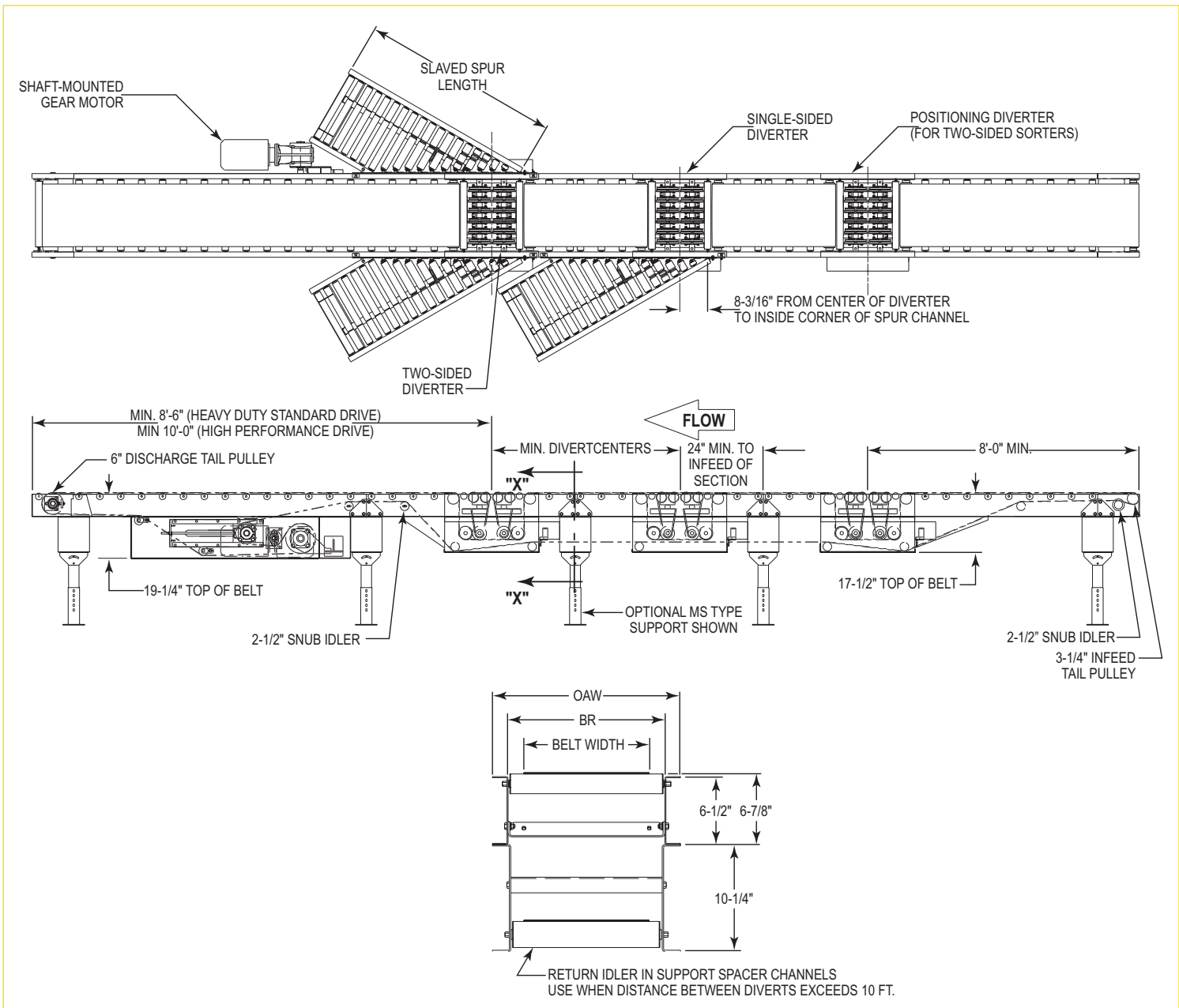
CONVEYING SPEED – Matched to main sorter conveyor.

MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of ProSort SC.

BUTT COUPLINGS – Standard for connecting 190 ACC, 190 LRC, 190 ACZ, 190 LR, or gravity conveyors.

FLOOR SUPPORTS – Supplied as optional equipment.

PROSORT SC1 & SC2



PROSORT SC1 & SC2

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

TAKE AWAY LINES – Gravity spurs are available. Consult factory for recommendation of type and configuration.

GUARD RAILS – Adjustable channel and fixed channel types available.

BELT SKIRTS – Hide return belt.

UNDERSIDE COVER – Attach to belt skirts to cover belt on underside of sorter.

PROLOGIX® SC CONTROL PACKAGE – Provides complete controls for proper sorter operation. Contact factory for details.

POSITIONING DIVERTER – Diverter used at infeed of two-sided sorters to position packages for proper diverting.

190-E24

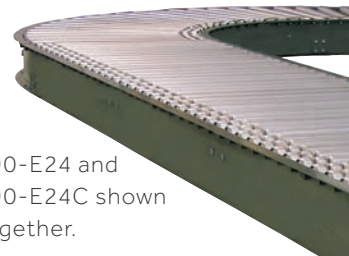
24VDC Live Roller Conveyor

The model 190-E24 24VDC Live Roller Conveyor uses a series of 24VDC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. Quiet operation and ease of maintenance and installation are just some of the advantages.

- All-Electric Operation
- Adjustable MS-Type Floor Supports Available



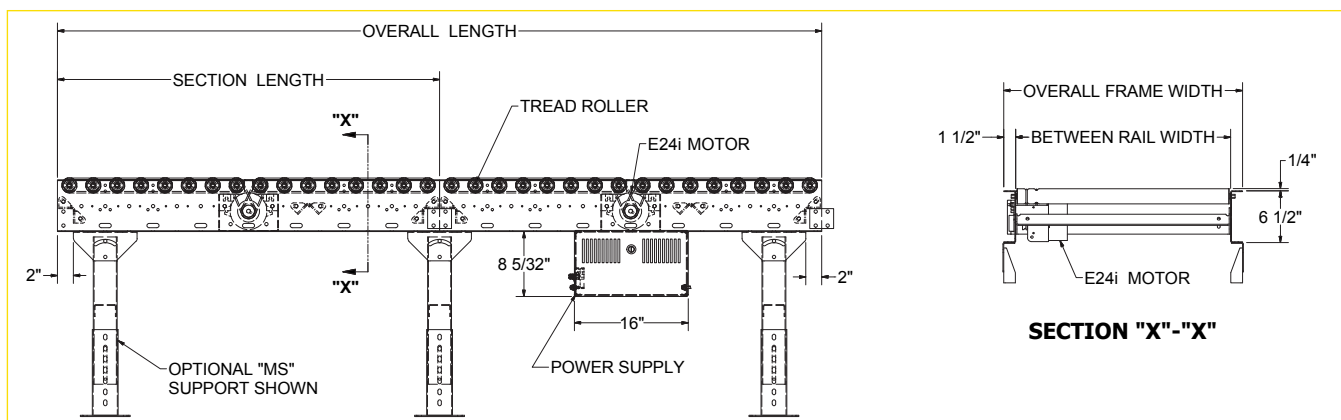
190-E24 and 190-E24C shown together.



TECHNICAL MANUAL

Section Length	Between Rail Width	9"	11"	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
	Overall Frame Width	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
10' 0"	Weights (lbs.)	285	300	310	325	340	355	370	385	400	410	435	450	480	495
Per Foot	Weights (lbs.)	16	17	19	20	21	23	24	26	27	28	31	32	35	36

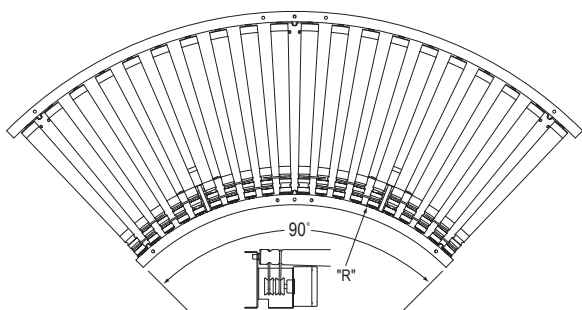
Note: Section lengths are available from 2 ft. to 10 ft, in 6 in. increments. Motors are mounted on various centers, and will slave a maximum of 16 rollers. Includes: motor, control board, o-rings, frame, and slaved rollers.



190-E24C

24VDC Live Roller Curve Conveyor

- All-Electric Operation
- Adjustable MS-Type Floor Supports Available



Between Rail Width	Overall Frame Width	"R"	Number of Rollers	90° and 60° Weights (lbs.)	45° and 30° Weights (lbs.)
9"	12"	24"	16	160	88
11"	14"			180	99
13"	16"			200	110
15"	18"			220	121
17"	20"			240	132
19"	22"	32 1/2"	20	260	143
21"	24"			280	154
23"	26"			300	165
25"	28"			310	171
27"	30"			325	178
31"	34"	48"	30	495	274
33"	36"			520	286
37"	40"			565	311
39"	42"			590	325

9" BR has an outside mounted motor and uses Hytrol's 3.0 card. All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

190-E24 & 190-E24C

Standard Specifications

BED (E24) – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube and bearings spaced every 3 in. Mounted set-high in 6 1/2 in x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

BED (E24C) – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized rollers. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

MOTOR – 24VDC motor with integrated control card located along section on the inside of the BR on straight section only. Maximum slaved rollers is 16 per each motor.

SLAVE O-RINGS – 3/16 in. dia. polyurethane o-rings slave-driven tread rollers from motor.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 24 volt fixed output. Maximum of 40 motors per power supply. 12VA, 8.6 Amp input. Mounted near center of conveyor. Note: Number of motors per power supply is based on the use of standard Hytrol o-rings. Other o-rings are available that may increase load capacity, but reduce the number of motors that may be powered from one power supply. Contact factory for more information.

CONVEYING SPEED – 25 to 254 FPM, set on integrated motor control card.

CAPACITY – Maximum 37 lbs. per foot with a maximum capacity per E24 motor of 75 lbs. If loading product back-to-back use the following chart:

Section Length	Number of Motors in Section	Capacity (lbs. per foot)
2' 0"	1	37
2' 6"		30
3' 0"		25
3' 6"		21
4' 0"		19
4' 6"	2	33
5' 0"		30
5' 6"		27
6' 0"		25
6' 6"		23
7' 0"	3	21
7' 6"		20
8' 0"		19
8' 6"		26
9' 0"		25
9' 6"		23
10' 0"		22

FLOOR SUPPORTS – Supplied as optional equipment.

Note: Capacity is based on the use of standard Hytrol o-rings. Other o-rings are available that may increase load capacity, but reduce the number of motors that may be powered from one power supply. Contact factory for more information.



Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

POWER SUPPLY (MOTORS) – 20 Amp power supply available, 20 motors maximum. 5 Amp power supply available, 3 motors maximum. 480 Volt Power Supplies also available.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

GUARD RAILS – Adjustable Universal Channel Guard Rail, type A and B angle (see Accessory section). Note: If product comes in contact with guard rails, product flow will be affected.

MOTOR AND SEPARATE CONTROL CARD – Available with 3 Amp setting.

TANGENTS – Slaved and Powered type available. Motors mounted on outside of channel.

190-E24SS

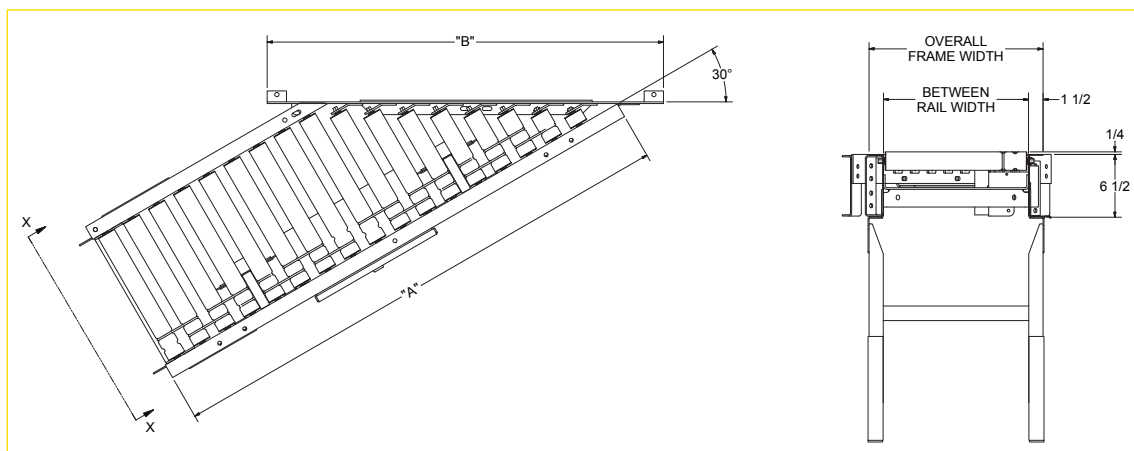
24VDC 30° Live Roller Straight Spur Conveyor

The model 190-E24SS 24VDC Live Roller Conveyor uses a series of 24VDC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. Quiet operation and ease of maintenance and installation are just some of the advantages.

- All-Electric Operation (Power Supply Optional)
- Adjustable MS-Type Floor Supports Available



[TECHNICAL MANUAL](#)



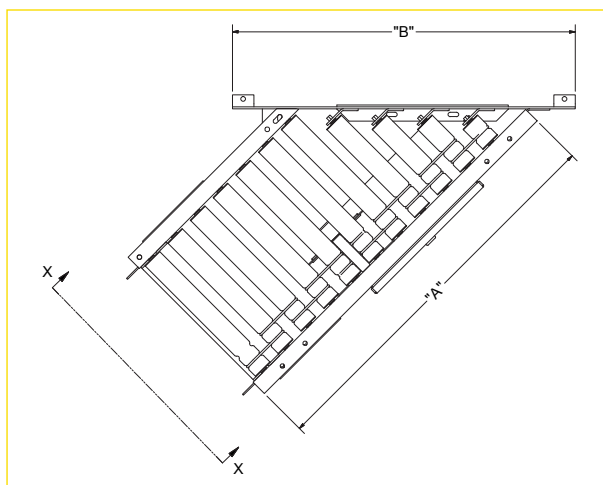
190-E24SS

24VDC 45° Live Roller Straight Spur Conveyor

- All-Electric Operation
- Adjustable MS-Type Floor Supports Available



[TECHNICAL MANUAL](#)



190-E24SS

Standard Specifications

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube. Mounted in 6 1/2 in. 12 ga. powder-painted formed steel channel frame.

SLAVE-DRIVEN – Spurs are driven from power supply of model 190-E24 conveyor. 45-degree spur has (1) 24VDC motor with integrated motor control card, 30-degree spur has one 24VDC motor with integrated motor control card on 12 in. to 16 in. OAW, and 2VDC motor with integrated motor control card on 18 in. to 42 in. OAW. Motors mounted on the inside of the B.R.

SLAVE O-RING – 3/16 in. dia. polyurethane o-ring from drive spool to tread roller.

BEARINGS – Pre-lubricated ball bearings in tread rollers.

SPLICE PLATES – Standard for connecting to 190-E24.

CAPACITY – See Load Capacity Chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Between Rail Width	Overall Frame Width	"A"		"B"		Weights (lbs.)	
		45°	30°	45°	30°	45°	30°
9"	12"	21"	30"	23"	29"	177	224
11"	14"	21"	30"	26"	35"	182	230
13"	16"	21"	30"	29"	38"	188	235
15"	18"	36"	54"	32"	41"	193	241
17"	20"	36"	54"	35"	47"	198	247
19"	22"	36"	54"	38"	50"	203	253
21"	24"	36"	54"	41"	53"	209	258
23"	26"	36"	54"	44"	56"	214	264
25"	28"	36"	54"	47"	62"	219	270
27"	30"	36"	54"	50"	65"	224	276
31"	34"	48"	75"	56"	74"	235	287
33"	36"	48"	75"	59"	77"	240	393
37"	40"	48"	75"	65"	86"	251	304
39"	42"	48"	75"	68"	89"	256	310

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Load Capacity Chart		
Overall Length	190-E24SS	
	Capacity Per Spur	
	45°	30°
21"	65	-
36"	111	-
48"	148	-
30"	-	92
54"	-	166
75"	-	231

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

HIGH-SPEED DRIVE SPOOL – Provides a speed range of 50 to 200 FPM Capacity affected with speed change.

DRIVE – Motors mounted on the inside of the frame channel.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel or type A or B angle. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR AND SEPARATE CONTROL CARD – Available with 3 Amp setting.

ABLR

Live Roller Conveyor

The model ABLR is a horizontal belt-driven live roller conveyor designed to transport medium to heavy cartons. Applications vary from manufacturing to distribution operations.

- 11 Bed Widths
- Center Drive
- Reversible
- Adjustable MS-Type Floor Supports Available



Conveyor shown in standard Hytrol Blue.

TECHNICAL MANUAL

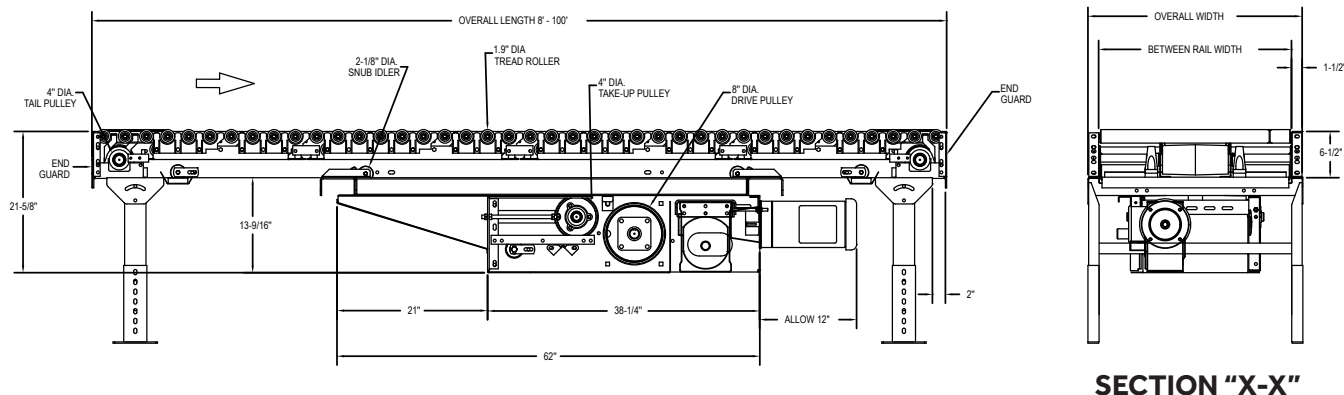
Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
10' Base Weight	670	693	716	739	762	785	808	854	877	923	946
Weight Per Foot	31	33	35	37	39	41	43	47	49	53	55

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

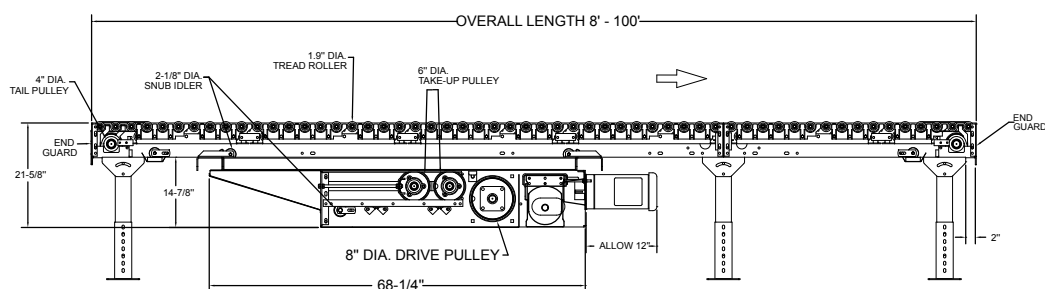
Total Weight = 10 ft. base weight + Per foot weight x Extra length

Load Capacity Chart @ 65 FPM						
HP	Overall Frame Width 18" To 22"		Overall Frame Width 24" To 30"		Overall Frame Width 34" To 42"	
	Total Load (lbs.)		Total Load (lbs.)		Total Load (lbs.)	
	Up to 50'	Up to 100'	Up to 50'	Up to 100'	Up to 50'	Up to 100'
1/2	550	100	300	—	—	—
1	1650	1200	1400	800	1100	—
2	3500	3000	3200	2600	2900	1650

ABLR

**STANDARD DRIVE**

Located in first bed section 8' or longer from infeed end.

**HIGH PERFORMANCE DRIVE**

Located in first bed section 9' or longer from infeed end.

ABLR

Standard Specifications

BELT – 6 in. black TMPH90MFOXB.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with butt coupling.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

CENTER DRIVE – Can be placed in any section of conveyor 7 ft. 6 in. or longer. Center drive is 18 in. OAW on all widths.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings.

TAIL PULLEY – 4 in. dia. with 1 7/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups in center drive. Provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulleys. Pre-lubricated ball bearings in tread and pressure rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 75 lbs. Total load NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds. 17 FPM – 400 FPM. V-belt drive supplied under 17 FPM. Note: Capacity affected with speed change.

HIGH PERFORMANCE UNDERSIDE CENTER DRIVE – Required on units over 100 ft. long. Maximum length: 200 ft. (used with 2 HP, 3 HP, or 5 HP motor and reducers).

SIDE MOUNTED LOW ELEVATION CENTER DRIVE – Motor reducer unit mounted to side of conveyor. Minimum low elevation 16 in. with old style and 18 in. with new style.

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail. See Accessory section. Note: If product comes into contact with guard rails, product flow will be affected. Fixed channel overlapping one direction.

PACKAGE STOP – Angle and raised roller end stops.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, other characteristics. 2 HP maximum.

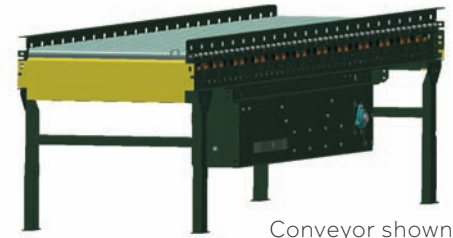
ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

NBLR

Live Roller Conveyor

The model NBLR is a horizontal narrow belt-driven live roller conveyor, designed to transport light to medium cartons. Applications vary from manufacturing to distribution operations.

- Endless Splice Belt
- Adjustable MS-Type Floor Supports Available
- 1.9 in. Diameter Rollers with ABEC-1 Bearings



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

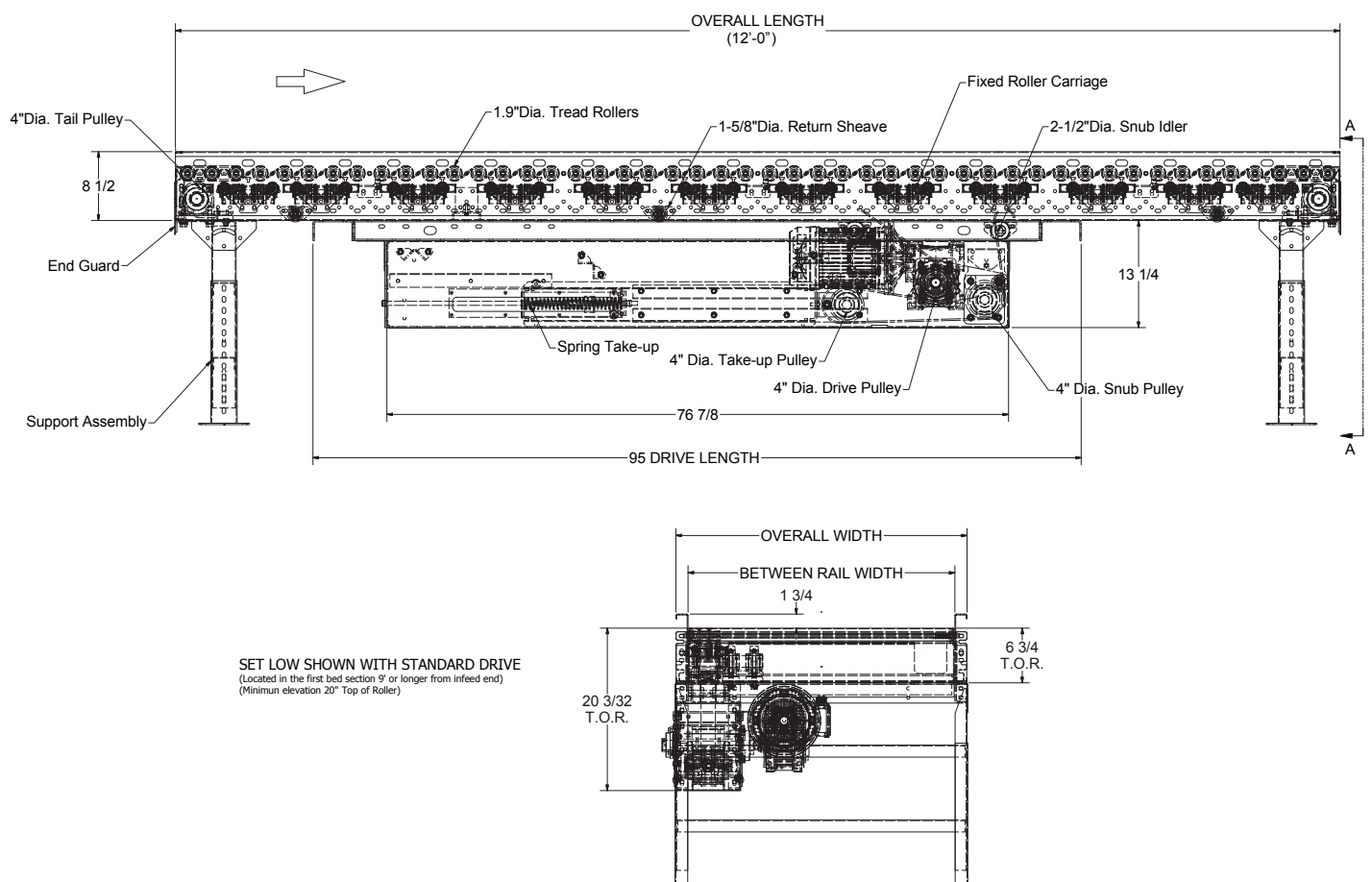
Between Rail Width	15"	21"	27"	33"	39"
Overall Frame Width	18"	24"	30"	36"	42"
Base Weight	574	634	694	754	814
Weight Per Foot	18	24	30	36	42

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Bed sections available in the following multiples:

Total Weight - 12 ft. base weight + Per foot weight x Extra length

Base Weight - 12 ft. section w/drive and tails



NBLR

Standard Specifications

BED – Roller bed with 1.9 in. dia. Rollers x 16 ga. Galvanized tube spaced every 3 in. Mounted in 8 1/2 in. x 12 ga. Powder-painted formed steel channel frame bolted with ABEC-1 bearings and with butt couplings.

BELT – 45 mm wide polyurethane thermoplastic with aramid cords.

CENTER DRIVE – Can be placed on any section of conveyor 9 ft. or longer with spring take-up in center drive provides 32 in. of belt take-up.

SET LOW CHANNEL – 8 1/2 in. deep C channel.

CAPACITY – Maximum load per 35 lbs. per ft.

PRESSURE FRAME CARRIAGE – Contains two Delrin rollers to provide positive drive to four tread rollers through the length of unit.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

GUARD RAILS – Adjustable Universal Channel Guard Rail. See Accessory section. Note: If product comes into contact with guard rails, product flow will be affected. Fixed channel overlapping, one direction.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

BELT SPLICE KIT – Includes press, finger cutter, and guide rail.

190-E24EZ

24VDC Roller Accumulating Curve Conveyor

The model 190-E24EZ Accumulating Conveyor uses a series of 24VDC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. Quiet operation, zero-pressure accumulation, and ease of maintenance and installation are just some of the advantages.

- EZLogic® Accumulation System
- All-Electric Operation
- Adjustable MS-Type Floor Supports Available

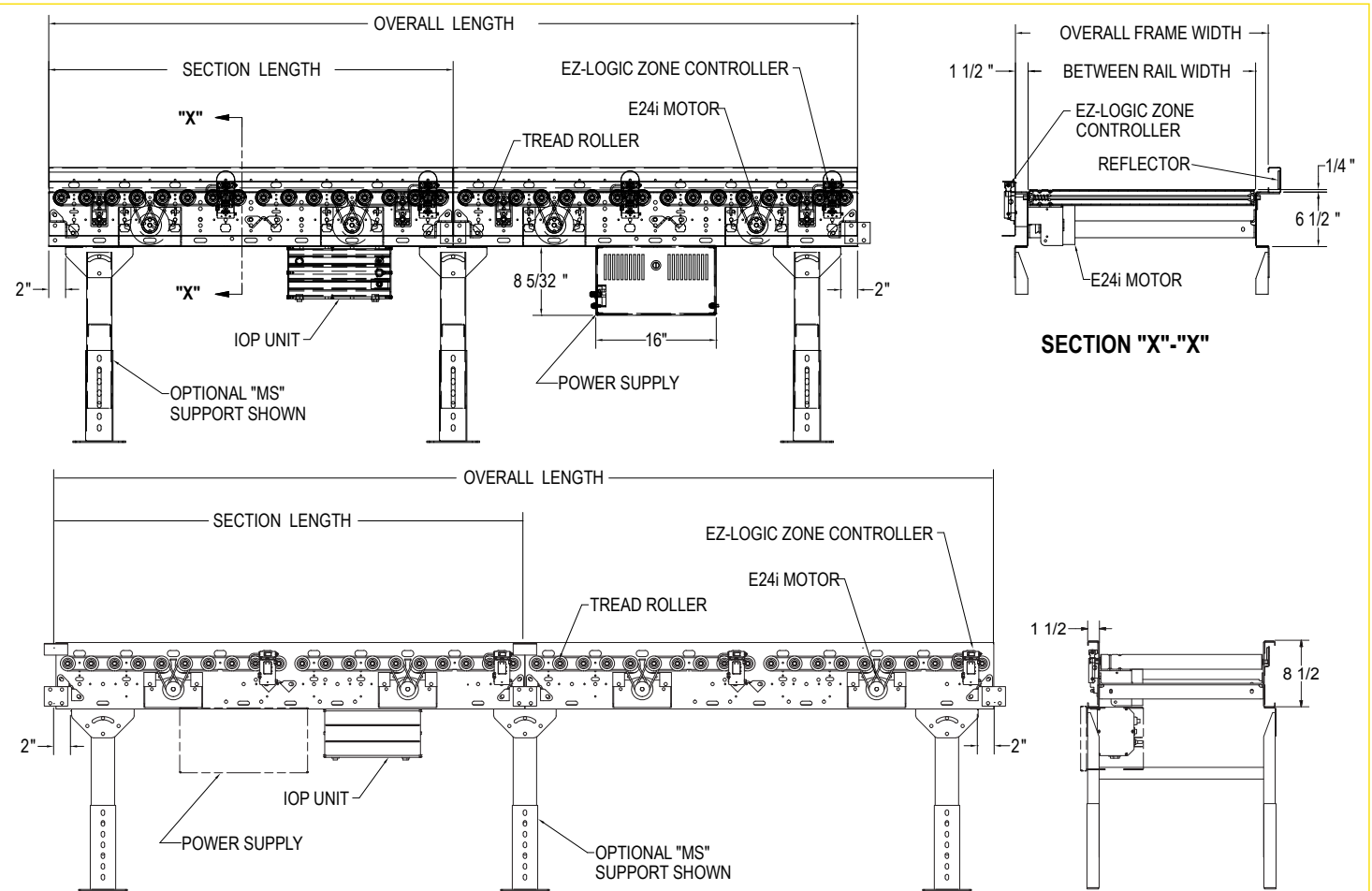


Conveyor shown with optional floor supports and optional EZLogic® cover.


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[TECHNICAL MANUAL](#)

Section Length	Between Rail Width	9" 11" 13" 15" 17" 19" 21" 23" 25" 27" 31" 33" 37" 39"
	Overall Frame Width	12" 14" 16" 18" 20" 22" 24" 26" 28" 30" 34" 36" 40" 42"
10' 0"	Weights (lbs.)	320 335 350 365 375 390 405 415 430 445 470 485 510 525
Per Foot	Weights (lbs.)	20 21 23 24 26 27 28 30 31 32 35 36 39 41

Note: Bed Sections available in the following multiples:
12" Zones
 2', 3', 5', 6', 7', 8', and 9'
18" Zones
 3', 4 1/2', 6', 7 1/2', and 9'
24" Zones
 2', 4', 6', 8', and 10'
30" Zones
 2 1/2', 5', 7 1/2', and 10'
36" Zones
 3', 6', and 9'



190-E24EZ

190-E24Ezc (CURVE CONVEYOR)

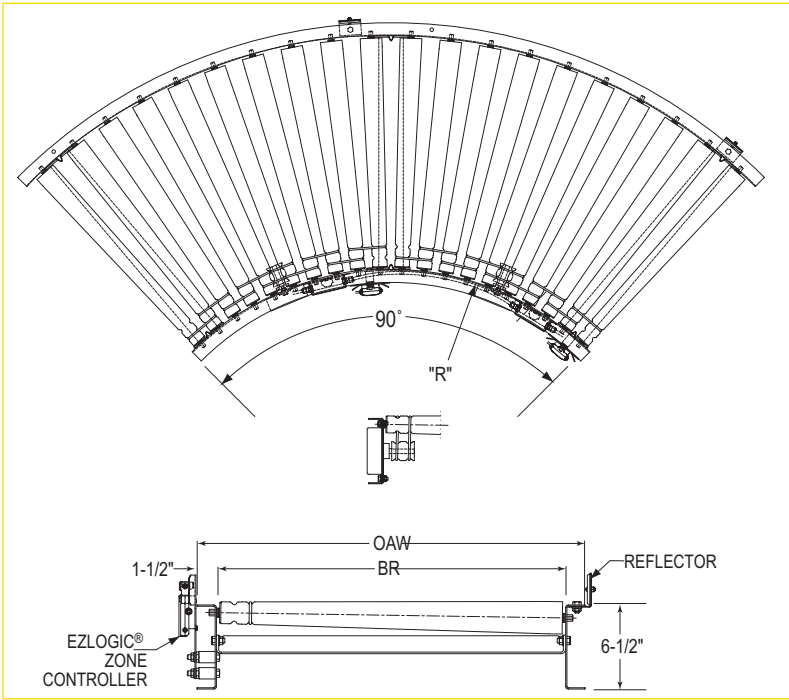
- EZLogic® Accumulation System
- All-Electric Operation
- Adjustable MS-Type Floor Supports Available

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Between Rail Width	Overall Frame Width	"R"	Number of Rollers	90° and 60° Weights (lbs.)	45° and 30° Weights (lbs.)
9"	12"	24"	16	128	70
11"	14"			158	87
13"	16"			189	104
15"	18"			220	121
17"	20"			251	138
19"	22"			282	155
21"	24"	32 1/2"	20	313	172
23"	26"			343	189
25"	28"			374	206
27"	30"			405	223
31"	34"			467	257
33"	36"			498	274
37"	40"	48"	30	559	308
39"	42"			590	325

9 in. BR has an outside mounted motor and uses Hytrol's 3.0 card. All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



190-E24EZ

Standard Specifications

BED (E24EZ) – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube bearings spaced every 3 in. Mounted in 6 1/2 in x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

BED (E24EZC) – Roller bed with 2 1/2 in. dia tapered to 1 11/16 in. dia. x 14 ga. galvanized. Mounted in 6 1/2 x 12 ga. powder-painted formed steel channel frame.

MOTOR – 24VDC motor with integrated motor control card. One in each zone of conveyor mounted on inside of BR.

SLAVE O-RINGS – 3/16 in. dia. polyurethane o-rings slave-drive zone tread rollers from motor.

ACCUMULATION ZONES – 18 in., 24 in., 30 in., and 36 in. zones available.

SET LOW CHANNEL – Added additional flanges to make the installation and removal of the optional cover simple.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 24 volt fixed output. Maximum of 40 zones per power supply. 120VAC, 24 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – 25 to 125 FPM, set on integrated motor control card.

CAPACITY – Maximum load: 37 lbs. per foot, 75 lbs. per zone.

FLOOR SUPPORTS – Supplied as optional equipment.

190-E24EZ

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Selectable Modes of Operation

Singulation Mode – Product separates while traveling down the conveyor and when it is released from the conveyor, creating a zone-length gap between products.

Enhanced Slug Mode w/ Jam Protection – Product does not separate when traveling down the conveyor or when it is released from the conveyor. This allows higher product throughput at any given conveyor speed. Product will not separate on the conveyor even when accumulation has been activated at the discharge end.

Cascaded Slug Release – Rather than releasing all zones simultaneously, this function introduces a momentary delay in the release of each zone, from discharge upstream.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

POWER SUPPLY (FOR MOTORS) – 120 to 240V, Single Phase, 20 and 40 Amp available. 120 volt at 4.56 Amps.

POWER SUPPLY (FOR MOTORS) 460 volt, 3 Ph., 20 and 40 Amp available.

MOTOR AND SEPARATE CONTROL CARD – Available with 3 Amp settings.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

HIGH-SPEED DRIVE SPOOL – Provides a speed range of 50 to 200 FPM.

EZLOGIC® – See EZLogic® Components Page.

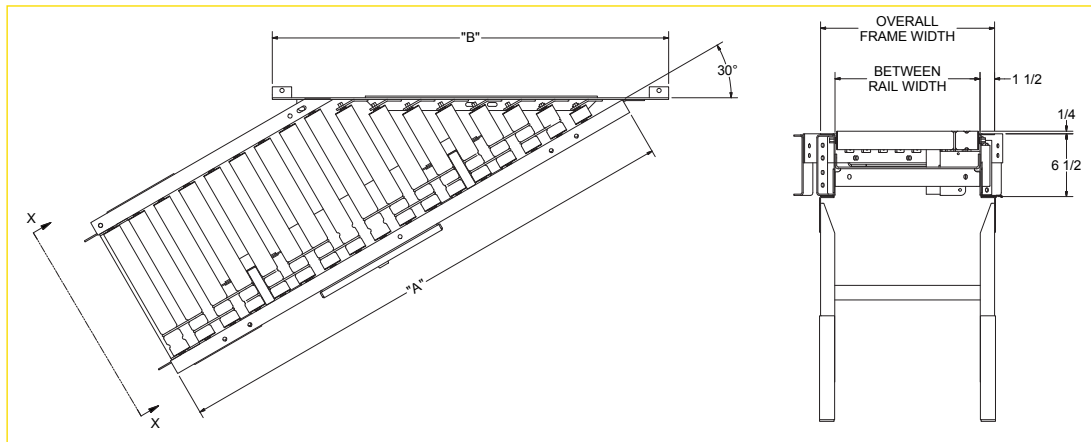
190-E24EZSS

24VDC 30° Live Roller Accumulating Straight Spur Conveyor

The model 190-E24 24VDC Live Roller Conveyor uses a series of 24VDC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. Quiet operation and ease of maintenance and installation are just some of the advantages.

- EZLogic® Accumulation System
- All-Electric Operation (Power Supply Optional)
- Adjustable MS-Type Floor Supports Available

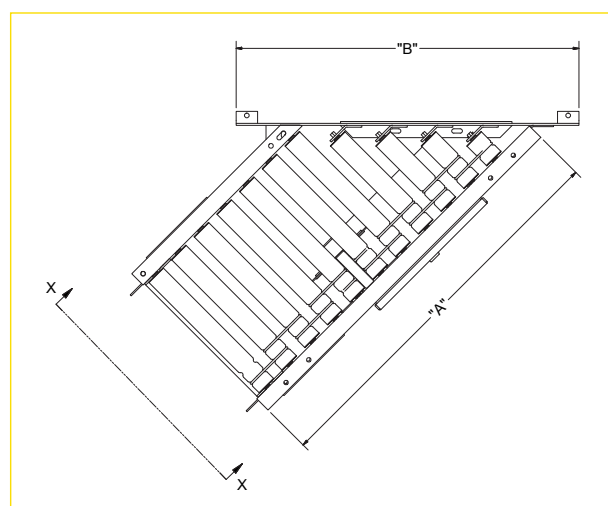
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190-E24EZSS

24VDC 45° Live Roller Accumulating Straight Spur Conveyor

- EZLogic® Accumulation System
- All-Electric Operation
- Adjustable MS-Type Floor Supports Available



190-E24EZSS

Standard Specifications

BED – Roller bed with 1.9 in dia. roller x 16 ga. galvanized tube. Mounted in 6 1/2 in. 12 ga. powder-painted formed steel channel frame.

SLAVE-DRIVEN – Spurs are driven from power supply of model 190-E24 conveyor. 45-degree spur has one 24VDC motor with integrated motor control card, 30-degree spur has one 24VDC motor with integrated motor control card on 12 in. to 16 in. OAW, and 2VDC motor with integrated motor control card on 18 in. to 42 in. OAW. Motors mounted on the inside of the B.R.

SLAVE O-RING – 3/16 in. dia. polyurethane o-ring from drive spool to tread roller.

ACCUMULATION ZONES – 1 per spur with zone controller (retro-reflective).

BEARINGS – Pre-lubricated ball bearings in tread rollers.

SPLICE PLATES – Standard for connecting to 190-E24.

CAPACITY – See Load Capacity Chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Load Capacity Chart		
Overall Length	190-E24EZSS	
	Capacity Per Spur	
	45°	30°
21"	65	-
36"	111	-
48"	148	-
30"	-	92
54"	-	166
75"	-	231

Between Rail Width	Overall Frame Width	"A"		"B"		Weights (lbs.)	
		45°	30°	45°	30°	45°	30°
9"	12"	21"	30"	23"	29"	177	224
11"	14"	21"	30"	26"	35"	182	230
13"	16"	21"	30"	29"	38"	188	235
15"	18"	36"	54"	32"	41"	193	241
17"	20"	36"	54"	35"	47"	198	247
19"	22"	36"	54"	38"	50"	203	253
21"	24"	36"	54"	41"	53"	209	258
23"	26"	36"	54"	44"	56"	214	264
25"	28"	36"	54"	47"	62"	219	270
27"	30"	36"	54"	50"	65"	224	276
31"	34"	48"	75"	56"	74"	235	287
33"	36"	48"	75"	59"	77"	240	393
37"	40"	48"	75"	65"	86"	251	304
39"	42"	48"	75"	68"	89"	256	310

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

POWER SUPPLY (FOR MOTORS) – 40, 20, and 5 Amp available in 115, 230, or 460 volt.

HIGH SPEED DRIVE SPOOL – Provides a speed range of 50 to 200 FPM. Capacity affected with speed change.

DRIVE – Motors mounted on the inside of the frame channel.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel or type A or B angle. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR AND SEPARATE CONTROL CARD – Available with 3 Amp setting.

BZE24EZ

24VDC Belt-Over Roller Accumulating Conveyor

The model BZE24EZ accumulating conveyor uses a series of 24VDC motors to drive full width belt-over roller zones. Quiet operation, zero-pressure accumulation, and reduced belt friction are some of the advantages.

- EZLogic® Accumulation System
- All-Electric Operation
- Adjustable MS-Type Floor Supports Available
- Direct Drive Roller
- Pop-Out Roller



Conveyor shown with optional floor supports.

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Power Supply Chart

Standard Motor with Card (033.090023)

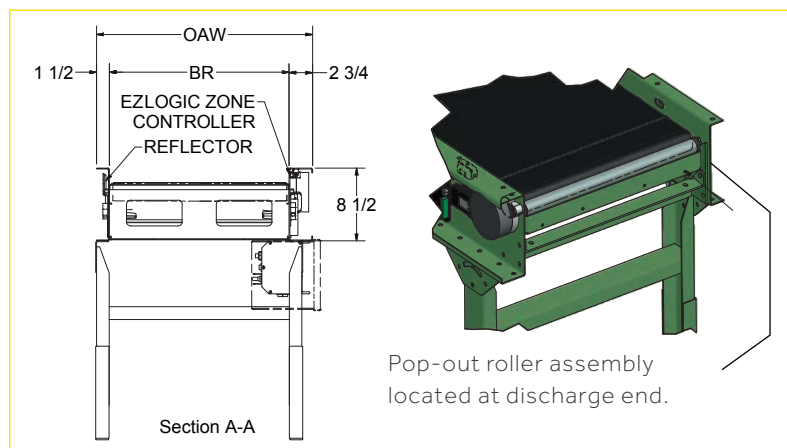
	Number of Drives	Amps	Voltage
EB-000003	1-5	20	115VAC
EB-000004	1-10	40	115VAC
EB-000005	1-5	20	460VAC
EB-000006	1-10	40	460VAC
EB-000007	1	5	115VAC
EB-000007	1	5	460VAC

125 Watt Motor with Card (033.090023)

	Number of Drives	Amps	Voltage
EB-000003	1-4	20	115VAC
EB-000004	1-8	40	115VAC
EB-000005	1-4	20	460VAC
EB-000006	1-8	40	460VAC
EB-000007	1	5	115VAC
EB-000007	1	5	460VAC

Section Length	Between Rail Width	15"	21"	27"	33"
	Belt Width	14"	20"	26"	32"
	Overall Frame Width	19-1/4"	25-1/4"	31-1/4"	37-1/4"
10' 0"	Weights (lbs.)	388	428	468	508
Per Foot	Weights (lbs.)	27	31	35	39

Bed Sections available in the following multiples:
24" Zones 2', 4', 6', 8', and 10'
30" Zones 2 1/2', 5', 7 1/2', and 10'
36" Zones 3', 6', and 9'



BZE24EZ

Standard Specifications

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized rollers spaced every 3 in. Mounted in 8 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

DRIVE ROLLER – 1.9 in dia. fully lagged with trapezoidal crown.

BELT – PVC, endless splice.

MOTOR – 24VDC, 100W motor. One in each zone of conveyor mounted on outside coupled directly to a lagged drive roller.

MOTOR CONTROL CARD – Used with each 24VDC Motor utilizing the 4A setting mounted on outside frame.

ACCUMULATION ZONES – 24 in., 30 in., and 36 in. zones available.

SET LOW CHANNEL – Added additional flanges to make the installation and removal of the optional cover simple.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

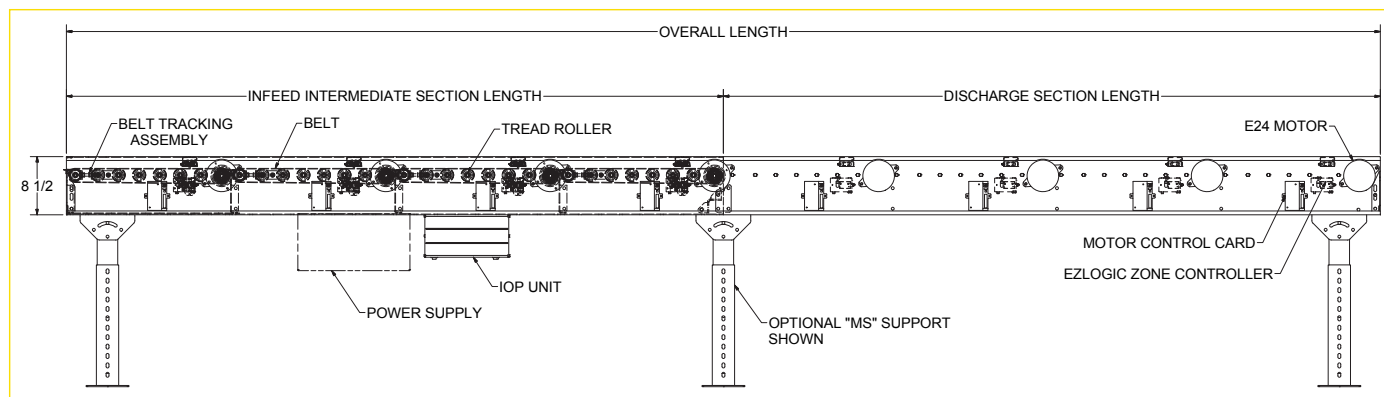
POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 24 volt fixed output. Maximum of 10 zones per power supply. 120VAC, 4.56 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – See below for speed chart.

CAPACITY – Maximum load: 37 lbs. per foot, 75 lbs. per zone at 65 FPM.

FLOOR SUPPORTS – Supplied as optional equipment.



BZE24EZ

Speed Chart							
Switches				100W24		125W24	
SW6	SW5	SW4	SW3	033.090023 Standard Card		033.090023 Standard Card	
				RPM	FPM	RPM	FPM
OFF	OFF	OFF	OFF	280	161	350	201
OFF	OFF	OFF	ON	265	152	331	190
OFF	OFF	ON	OFF	250	144	312	179
OFF	OFF	ON	ON	235	135	293	168
OFF	ON	OFF	OFF	220	126	274	157
OFF	ON	OFF	ON	205	118	255	147
OFF	ON	ON	OFF	190	109	236	136
OFF	ON	ON	ON	175	101	217	125
ON	OFF	OFF	OFF	160	92	198	114
ON	OFF	OFF	ON	145	83	179	103
ON	OFF	ON	OFF	130	75	160	92
ON	OFF	ON	ON	115	66	141	81
ON	ON	OFF	OFF	100	57	122	70
ON	ON	OFF	ON	85	49	103	59
ON	ON	ON	OFF	70	40	84	48
ON	ON	ON	ON	55	32	65	37

BZE24EZ

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Selectable Modes of Operation

Singulation Mode – Product separates while traveling down the conveyor and when it is released from the conveyor, creating a zone-length gap between products.

Enhanced Slug Mode w/ Jam Protection – Product does not separate when traveling down the conveyor or when it is released from the conveyor. This allows higher product throughput at any given conveyor speed. Product will not separate on the conveyor even when accumulation has been activated at the discharge end.

Cascaded Slug Release – Rather than releasing all zones simultaneously, this function introduces a momentary delay in the release of each zone, from discharge upstream.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

POWER SUPPLY (FOR MOTORS) – 20 Amp power supply available, 5 zones maximum. 120 volt at 4.56 Amps.

POWER SUPPLY (FOR MOTORS) – 460 volt, 3 Ph., 20 and 40 Amp available.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

EZLOGIC® – See EZLogic® Components Page.

BRAKE MOTORS – 100W motor with 24VDC brake. Provide 24VDC to release brake. Connects to standard card.

BZDE24EZ

24VDC Decline Slider Bed Accumulating Conveyor

The model BZDE24EZ is a floor-to-floor decline conveyor which uses a series of 24VDC motors to drive full width belt-over slider pan zones. It can be equipped with a nose-over transition section at the infeed end to ensure a smooth transition from the horizontal to decline plane.

- EZLogic® Accumulation System
- All-Electric Operation
- Direct Drive Roller
- Pop-Out Roller
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

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[TECHNICAL MANUAL](#)


Power Supply Chart

Standard Motor with Card (033.090023)

	Number of Drives	Amps	Voltage
EB-000003	1-5	20	115VAC
EB-000004	1-10	40	115VAC
EB-000005	1-5	20	460VAC
EB-000006	1-10	40	460VAC
EB-000007	1	5	115VAC
EB-000007	1	5	460VAC

125 WATT Motor with Card (033.090023)

	Number of Drives	Amps	Voltage
EB-000003	1-4	20	115VAC
EB-000004	1-8	40	115VAC
EB-000005	1-4	20	460VAC
EB-000006	1-8	40	460VAC
EB-000007	1	5	115VAC
EB-000007	1	5	460VAC

Section Length	Between Rail Width	15"	21"	27"	33"
	Belt Width	14"	20"	26"	32"
	Overall Frame Width	19 1/4"	25 1/4"	31 1/4"	37 1/4"
16' 0"	Weights (lbs.)	500	545	580	623
Per Foot	Weights (lbs.)	27	31	35	40

Bed Sections available in the following multiples:

24" Zones 2', 4', 6', 8', and 10'

30" Zones 2 1/2', 5', 7 1/2', and 10'

36" Zones 3', 6', and 9'

BZDE24EZ

Standard Specifications

BED – Slider bed with 1.9 in. dia. tracking roller mounted in 8 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

DRIVE ROLLER – 1.9 in. dia. fully lagged with trapezoidal crown.

BELT – PVC, endless splice.

MOTOR – 24VDC, 100W motor. One in each zone of conveyor mounted on outside coupled directly to a lagged drive roller.

MOTOR CONTROL CARD – Used with each 24VDC Motor utilizing the 4A setting mounted on outside frame.

ACCUMULATION ZONES – 24 in., 30 in., and 36 in. zones available.

SET LOW CHANNEL – Added additional flanges to make the installation and removal of the optional cover simple.

NOSE-OVER SECTION – A zone length section provides a transition of product from horizontal to decline.

POWERED FEEDER/ TAIL BED – A zone length with roller section driven by a 24VDC motor.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

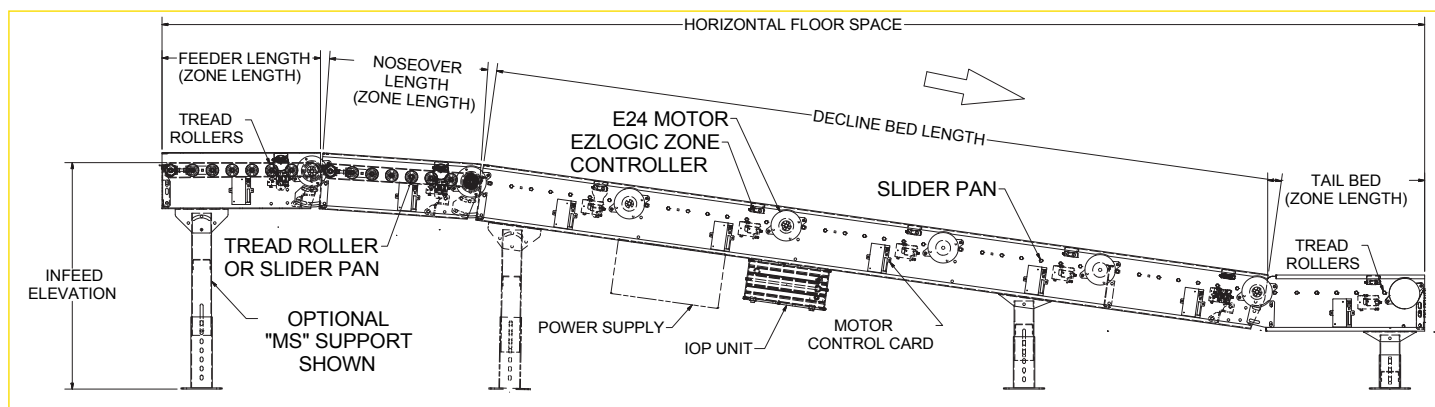
POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 24 volt fixed output. Maximum of 10 zones per power supply. 120VAC, 4.56 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system. Contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – See speed chart.

CAPACITY – See per zone capacity chart.

FLOOR SUPPORTS – Supplied as optional equipment.



BZDE24EZ

Speed Chart							
Switches				100W24		125W24	
SW2-1	SW-2	SW-3	SW-4	RPM	033.090023 Standard Card	RPM	033.090023 Standard Card
OFF	OFF	OFF	OFF	280	161	350	201
OFF	OFF	OFF	ON	265	152	331	190
OFF	OFF	ON	OFF	250	144	312	179
OFF	OFF	ON	ON	235	135	293	168
OFF	ON	OFF	OFF	220	126	274	157
OFF	ON	OFF	ON	205	118	255	147
OFF	ON	ON	OFF	190	109	236	136
OFF	ON	ON	ON	175	101	217	125
ON	OFF	OFF	OFF	160	92	198	114
ON	OFF	OFF	ON	145	83	179	103
ON	OFF	ON	OFF	130	75	160	92
ON	OFF	ON	ON	115	66	141	81
ON	ON	OFF	OFF	100	57	122	70
ON	ON	OFF	ON	85	49	103	59
ON	ON	ON	OFF	70	40	84	48
ON	ON	ON	ON	55	32	65	37

Maximum Capacity Chart	
Angle (Degrees)	Incline (lbs)
5	49
7.5	49
10	59
12.5	59
15	73
17.5	73
20	54

Contact factory for larger degrees.

BZDE24EZ

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Selectable Modes of Operation

Singulation Mode – Product separates while traveling down the conveyor and when it is released from the conveyor, creating a zone-length gap between products.

Enhanced Slug Mode w/ Jam Protection – Product does not separate when traveling down the conveyor or when it is released from the conveyor. This allows higher product throughput at any given conveyor speed. Product will not separate on the conveyor even when accumulation has been activated at the discharge end.

Cascaded Slug Release – Rather than releasing all zones simultaneously, this function introduces a momentary delay in the release of each zone, from discharge upstream.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

POWER SUPPLY (FOR MOTORS) – 20 Amp power supply available, 5 zones maximum. 120 volt at 4.56 Amps.

POWER SUPPLY (FOR MOTORS) – 460 volt, 3 Ph., 20 and 40 Amp available.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

EZLOGIC® – See EZLogic® Components Page.

BRAKE MOTORS – 100W motor with 24VDC brake. Provide 24VDC to release brake. Connects to standard card.

DECLINE WITH ROLLERS – Rollers are available. Contact Factory for Capacity.

BZIE24EZ

24VDC Incline Belt-Over Roller Accumulating Conveyor

The model BZIE24EZ accumulating conveyor uses a series of 24VDC motors to drive full width belt-over roller zones. Quiet operation, zero-pressure accumulation with a roller bed design are some of the advantages. It can be equipped with a nose-over transition section at the infeed end to ensure a smooth transition from the horizontal to incline plane.

- EZLogic® Accumulation System
- All-Electric Operation
- Adjustable MS-Type Floor Supports Available
- Direct Drive Roller
- Pop-Out Roller



Conveyor shown with optional floor supports.

[LEARN MORE](#)
[TECHNICAL MANUAL](#)

Power Supply Chart

Standard Motor with Card (033.090023)

	Number of Drives	Amps	Voltage
EB-000003	1-5	20	115VAC
EB-000004	1-10	40	115VAC
EB-000005	1-5	20	460VAC
EB-000006	1-10	40	460VAC
EB-000007	1	5	115VAC
EB-000007	1	5	460VAC

125 WATT Motor with Card (033.090023)

	Number of Drives	Amps	Voltage
EB-000003	1-4	20	115VAC
EB-000004	1-8	40	115VAC
EB-000005	1-4	20	460VAC
EB-000006	1-8	40	460VAC
EB-000007	1	5	115VAC
EB-000007	1	5	460VAC

Section Length	Between Rail Width	15"	21"	27"	33"
	Belt Width	14"	20"	26"	32"
	Overall Frame Width	19 1/4"	25 1/4"	31 1/4"	37 1/4"
16' 0"	Weights (lbs.)	500	545	580	623
Per Foot	Weights (lbs.)	27	31	35	40

Bed Sections available in the following multiples:

24" Zones 2', 4', 6', 8', and 10'

30" Zones 2 1/2', 5', 7 1/2', and 10'

36" Zones 3', 6', and 9'

BZIE24EZ

Standard Specifications

BED – Roller bed with 12 ga. painted bolt-in pans. Mounted in 8 1/2 in x 12 ga. powder-painted formed steel channel frame, bolted together with splice plates.

DRIVE ROLLER – 1.9 in dia. fully lagged, trapezoidal crown.

CLUTCH ROLLER – 1.9 in dia. one directional roller included in incline zones.

BELT – PVC, endless splice.

MOTOR – 24VDC, 100W motor. One in each zone of conveyor mounted on outside coupled directly to a lagged drive roller.

MOTOR CONTROL CARD – Used with each 24VDC Motor utilizing the 4A setting mounted on outside frame.

ACCUMULATION ZONES – 24 in., 30 in., and 36 in. zones available.

SET LOW CHANNEL – Added additional flanges to make the installation and removal of the optional cover simple.

NOSE-OVER SECTION – A zone length section provides a transition of product from incline to horizontal.

POWERED FEEDER/TAIL BED – A horizontal zoned length section driven by a 24VDC motor.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

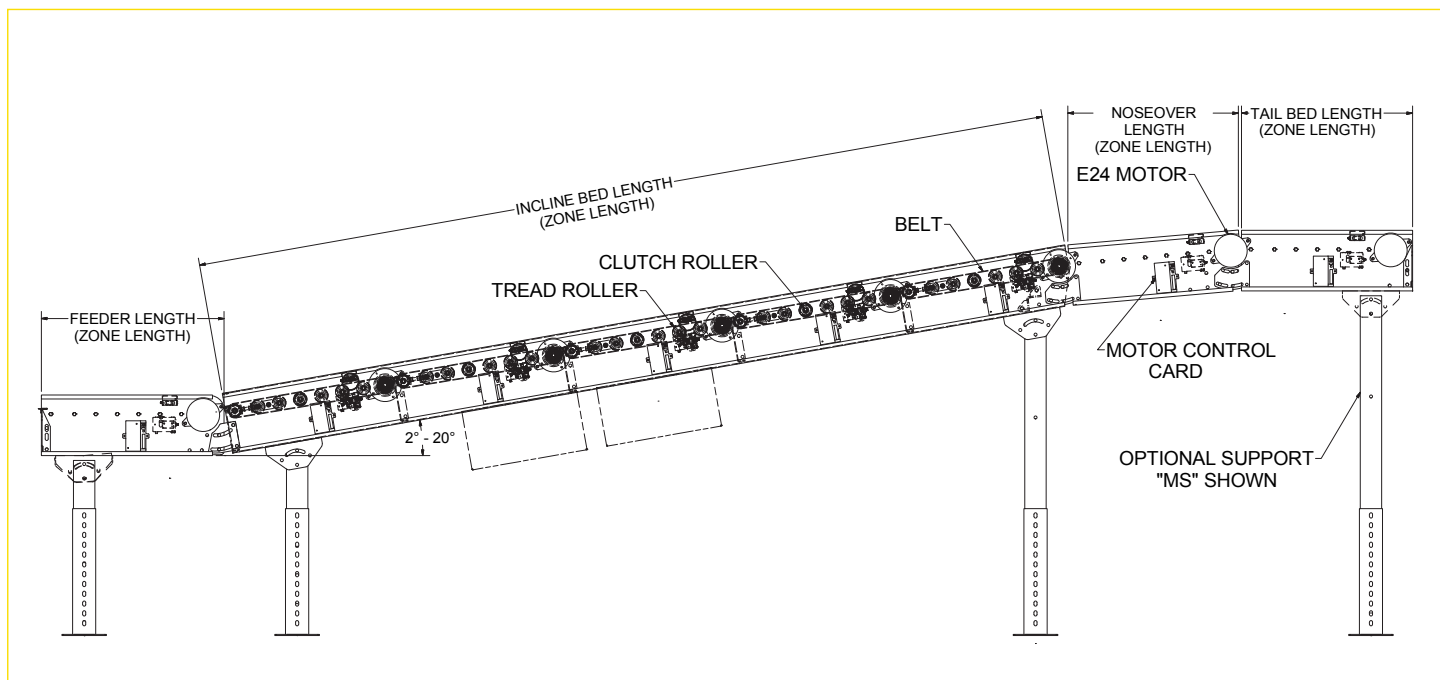
POWER SUPPLY (FOR MOTORS) – 40 Amp DC power supply, 24 volt fixed output. Maximum of 10 zones per power supply. 120VAC, 9.12 Amp input. Mounted near center of conveyor.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones with maximum of 25 on either side of IOP. Requires 120VAC or 230VAC single phase input.

CONVEYING SPEED – 30 lbs. per zone at 65 FPM. See below capacity chart

CAPACITY – See below for Capacity Chart.

FLOOR SUPPORTS – Supplied as optional equipment.



BZIE24EZ

Speed Chart							
Switches				100W24		125W24	
SW2-1	SW-2	SW-3	SW-4	RPM	033.090023 Standard Card	RPM	033.090023 Standard Card
OFF	OFF	OFF	OFF	280	161	350	201
OFF	OFF	OFF	ON	265	152	331	190
OFF	OFF	ON	OFF	250	144	312	179
OFF	OFF	ON	ON	235	135	293	168
OFF	ON	OFF	OFF	220	126	274	157
OFF	ON	OFF	ON	205	118	255	147
OFF	ON	ON	OFF	190	109	236	136
OFF	ON	ON	ON	175	101	217	125
ON	OFF	OFF	OFF	160	92	198	114
ON	OFF	OFF	ON	145	83	179	103
ON	OFF	ON	OFF	130	75	160	92
ON	OFF	ON	ON	115	66	141	81
ON	ON	OFF	OFF	100	57	122	70
ON	ON	OFF	ON	85	49	103	59
ON	ON	ON	OFF	70	40	84	48
ON	ON	ON	ON	55	32	65	37

Maximum Capacity Chart	
Angle (degrees)	Incline (lbs)
2.5	75
5	75
7.5	63
10	49
12.5	39
15	29
17.5	29
20	24

Contact factory for larger degrees.

BZIE24EZ

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Selectable Modes of Operation

Singulation Mode – Product separates while traveling down the conveyor and when it is released from the conveyor, creating a zone-length gap between products.

Enhanced Slug Mode w/ Jam Protection – Product does not separate when traveling down the conveyor or when it is released from the conveyor. This allows higher product throughput at any given conveyor speed. Product will not separate on the conveyor even when accumulation has been activated at the discharge end.

Cascaded Slug Release – Rather than releasing all zones simultaneously, this function introduces a momentary delay in the release of each zone, from discharge upstream.

Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

POWER SUPPLY (FOR MOTORS) – 20 Amp power supply available, 5 zones maximum. 120 volt at 4.56 Amps.

POWER SUPPLY (FOR MOTORS) – 460 volt, 3 Ph., 20 and 40 Amp available. Motors mounted on outside of channel.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

EZLOGIC® – See EZLogic® Components Page.

138-ACC

Minimum-Pressure Roller Conveyor

The simplest method ever devised for accumulating cartons, boxes, etc. Basic design eliminates complicated adjustments and allows a minimum of 2 percent back-pressure.

- 4 Bed Widths
- 2 Percent Minimum Back-Pressure
- Finger Tip Snub Roller Adjustment, No Tools Needed
- Adjustable LS-Type Floor Supports Available

TECHNICAL MANUAL

Size To Order	Between Rail Width	10"	13"	16"	22"
Overall Length "A"	Overall Frame Width	12"	15"	18"	24"
5'		214	231	249	284
10'		337	369	402	466
15'		461	507	555	648
20'		584	645	708	830
25'		708	783	861	1012
30'		831	921	1014	1194
35'		955	1059	1167	1376
40'		1078	1197	1320	1558
45'	Weight (lbs.) Based on 1 1/2" Roller Centers	1202	1335	1473	1740
50'		1325	1473	1626	1922
55'		1449	1611	1779	2104
60'		1572	1749	1932	2286
65'		1696	1887	2085	2468
70'		1819	2025	2238	2650
75'		1943	2163	2391	2832
80'		2066	2301	2544	3014
85'		2190	2439	2697	3196
90'		2313	2577	2850	3378
95'		2437	2715	3003	3560
100'		2560	2863	3156	3742

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.
Note: Intermediate bed sections are available in multiples of 4 ft., 5 ft., 6 ft., 7 1/2 ft., 8 ft., and 10 ft. lengths only.

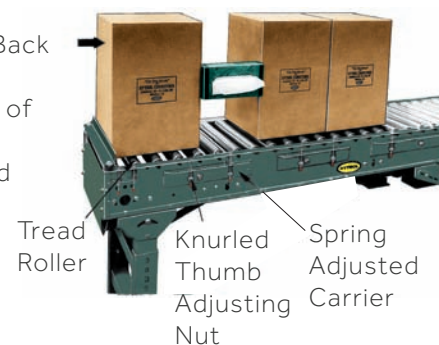


Conveyor shown with optional floor supports.



Conveyor sections are easily coupled together at either end to make up to 100 ft. long units. Drive is usually located near center of conveyor.

Minimum Back Pressure (2 percent of Total Distributed Load)



Conveyor shown with optional floor supports

138-ACC

Standard Specifications

BED – Roller bed with 1 3/8 in. dia. roller x 18 ga. galvanized tube and 5/16 in. HRS hex shaft spaced every 1 1/2 in. and 1 3/8 in. dia. pressure roller x 18 ga. galvanized tube spaced every 3 in. mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with butt couplings.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section, 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

DRIVE – Mounted underneath, placed near center of conveyor.

DRIVE BELT – Endless B-section Aramid core v-belt drives each section of conveyor.

RETURN TAKE-UP SHEAVE – 3 1/4 in. dia. x 1/2 in. bore flat idler has seven-position adjustments to maintain proper v-belt tension.

BEARINGS – Sealed, pre-lubricated ball bearings with eccentric lock collar on flange and pillow block bearings. Pre-lubricated ball bearings in tread and pressure rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph., 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 50 lbs. NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Load Capacity Chart @ 65 FPM

HP	Overall Frame Widths – 12" to 24"
	Total Load (lbs.) Up to 100'
1/2	1000
1	1500

Optional Equipment

FLOOR SUPPORTS – LS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above LS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity and accumulation feature affected with speed change.

SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor. Minimum elevation with standard sheave retainer 10 in. With low elevation sheave retainer 8 in. 9 3/8 in. elevation at drive, 9 7/8 in. elevation with standard sheave return. 8 in. elevation with low elevation sheave return (intermediate only).

V-BELT DRIVE – V-belt supplied between motor and reducer. Minimum overall drive width 14 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

PACKAGE STOP – Roller or pin type stops available. Contact factory.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel or type A and B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected. Fixed channel overlapping, one direction. Fixed channel nonoverlapping, reversing.

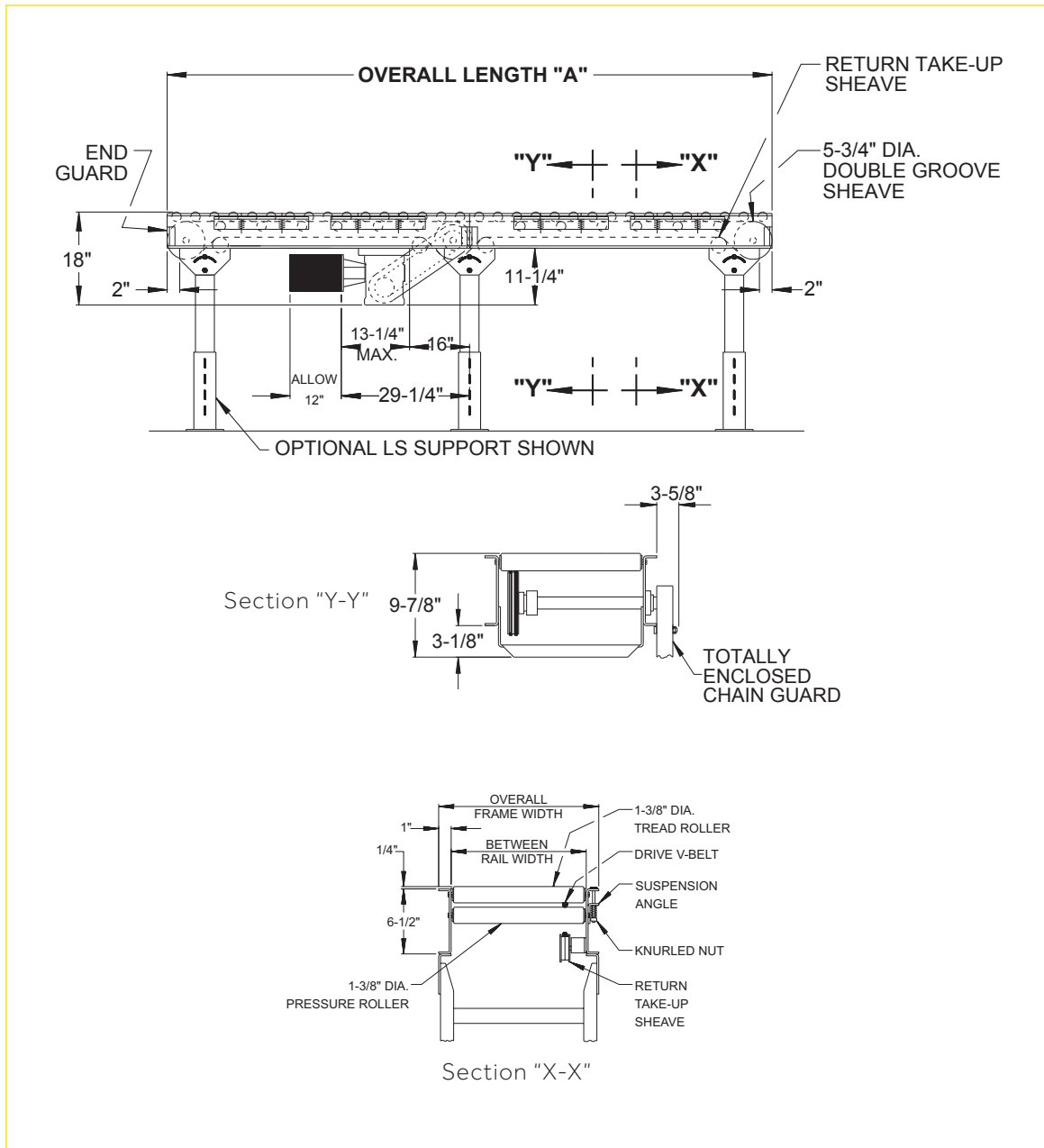
POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, and other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

138-ACC



138-ACC

How It Works

The driving of the tread rollers on the Hytrol minimum pressure conveyor is accomplished with the top surface of a standard section endless v-belt. The strength and wear qualities of the tread rollers and this belt have been thoroughly tested for continuous duty.

To maintain the driving of the tread roller, the pressure roller is mounted in spring adjusted carriers (see photo) which sense the required driving friction regardless of the length of accumulated load. This pressure can be maintained constantly to give a 2 percent minimum back pressure in either a forward or reverse direction.

In the event of extreme changes in unit load (weight of box or package), convenient knurled thumb adjusting nuts can be turned to accept this heavier load.

This method eliminates the need for selecting proper tension spring holes in trigger mechanisms or jogging cleats on driving belt and eccentric (off center) tread rollers.

By maintaining a constant minimum pressure on the tread rollers, long loads may be conveyed, accumulated or stopped on the conveyor at any point using very little motor horsepower and giving practically no pressure between boxes or packages.

138-LRC

Light-Duty Live Roller Curve Conveyor

The model 138-LRC is a light-duty live roller curve that provides a positive drive for negotiating 90-, 60-, 45-, or 30-degree turns. It may be self-powered or can be driven from 138-ACC, LRS, or LRSS conveyors.

- 4 Bed Widths
- Reversible
- Adjustable LS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Between Rail Width	Overall Frame Width	"A"	"B"	"C"	"R"	Number of Rollers**				Weights (lbs.)			
						90°	60°	45°	30°	90°	60°	45°	30°
10"	12"	3 1/16" Max.	9 3/4"	9 5/8"	25"	30S	38S	34S	30S	272	262	252	242
13"	15"									278	268	258	248
16"	18"									287	277	267	257
22"	*24"									302	292	282	272

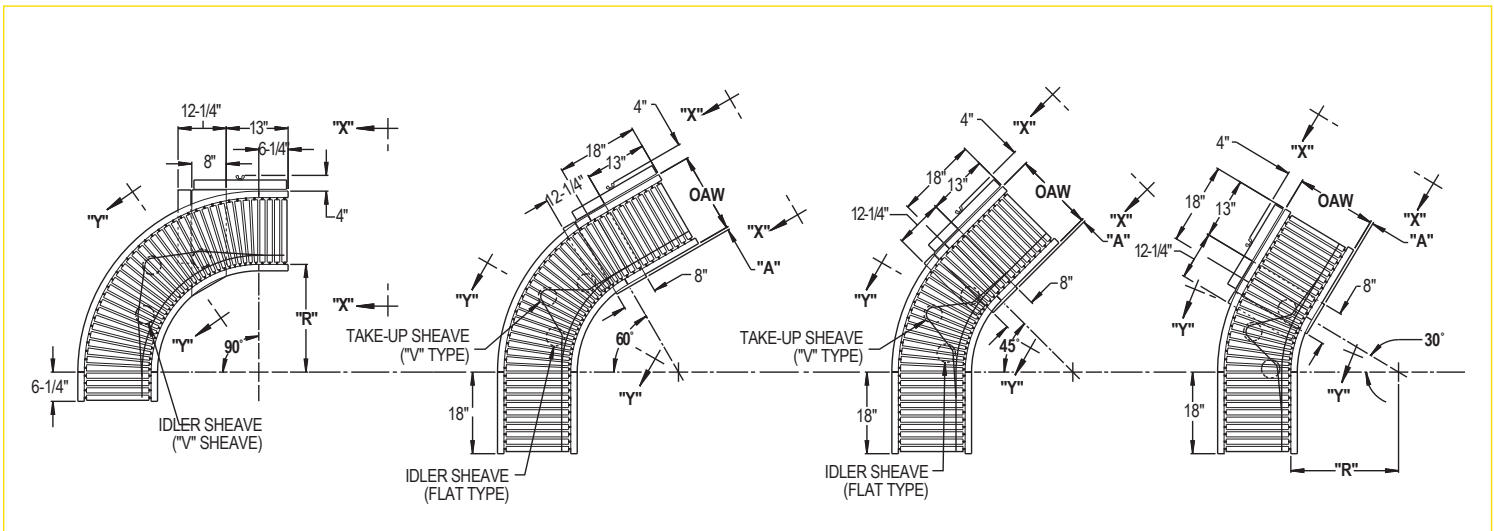
*T = TAPERED

S = STRAIGHT

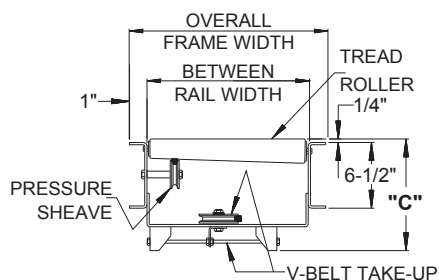
All weights in catalog are conveyor weights only.

Accessories, crating, etc., are not included.

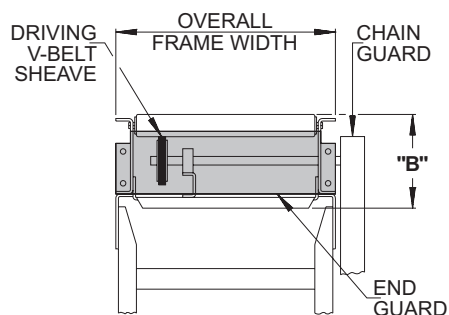
*Note: 24 in. OAW curve has 1.9 in. dia. tapered and straight rollers mounted in a 6 1/2 in. x 1 in. x 12 ga. painted form steel channel.



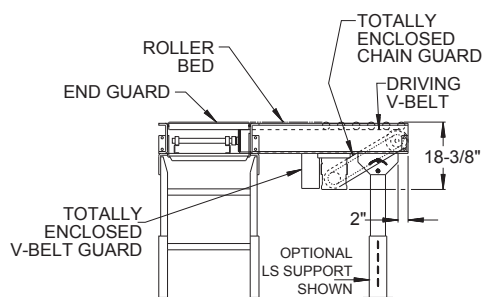
138-LRC



SECTION "Y-Y"

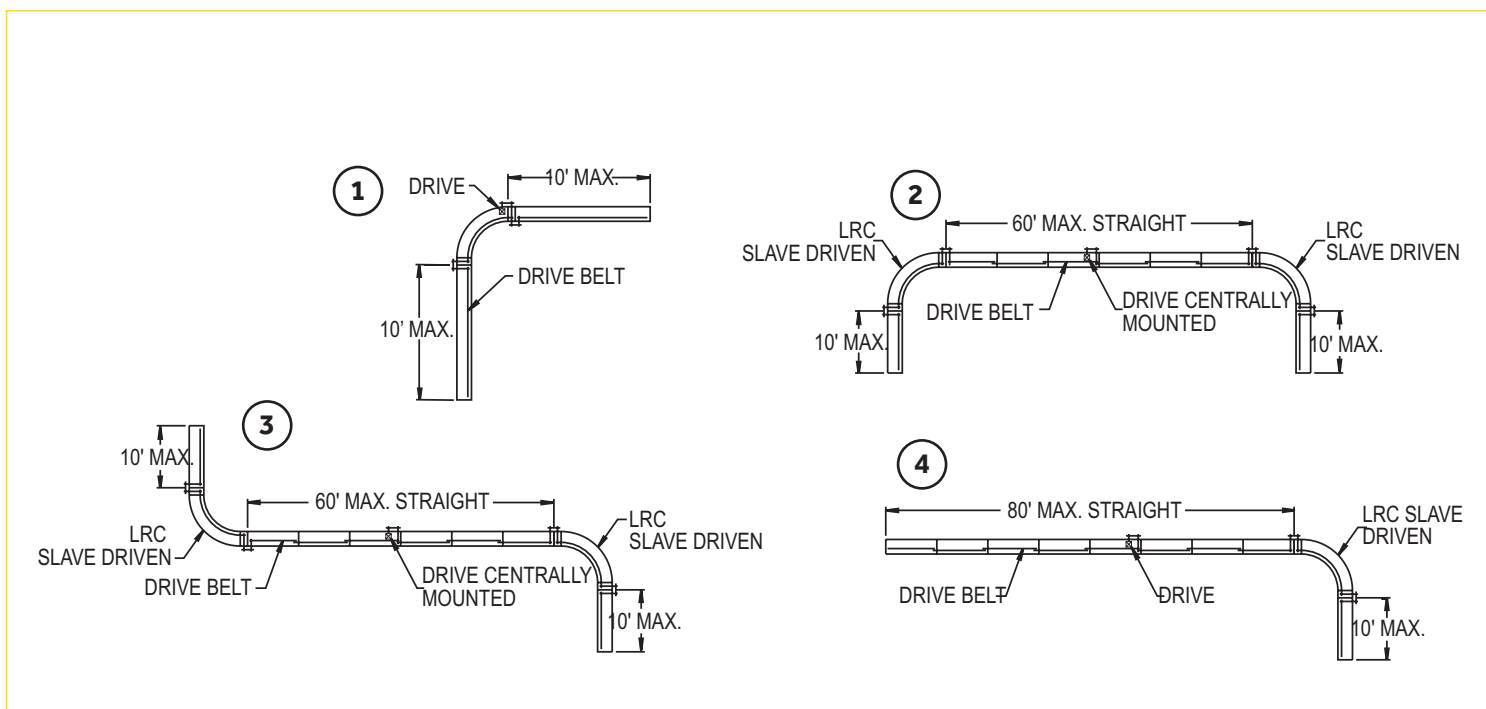


SECTION "X-X"



138-LRC

Horsepower required to slave-drive LRCs and LRCTs from ACCs affects the lengths of ACCs due to the capacities of the driving v-belt. The four arrangements shown illustrate basic limitations. Other arrangements are possible.



Note:

- Curves may be 30, 45, 60, and 90 degrees
- Curves are not accumulating
- Snub roller adjustment is on drive belt side of conveyor

138-LRC

Standard Specifications

BED – (LRC) Roller bed with 1 3/8 in. dia. roller x 18 ga. galvanized tube and 5/16 in. HRS hex shafts (12 in. to 18 in. OAW) and 2 1/2 in. dia. tapered to 1 11/16 in. dia. roller x 16 ga. galvanized tube and 1.9 in. dia. straight rollers x 16 ga. galvanized tube 7/16 in. HRS hex shafts (24 in. OAW). Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

END DRIVE – Mounted underneath bed section on outside radius.

DRIVING BELT – Endless B-section v-belt, industrial grade.

PRESSURE SHEAVES – 2 1/2 in. dia. with 3/8 in. bore.

IDLER SHEAVE – 4 in. dia. x 5/8 in. bore v-type and/or 5 1/2 in. dia. x 5/8 in. bore flat type.

TAKE-UP – Take-ups provided to maintain proper v-belt tension. Includes 4 3/8 in. dia. x 5/8 in. bore v-type take-up sheave.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collar on flange and pillow block bearings. Pre-lubricated ball bearings in tread rollers.

BUTT COUPLINGS – Standard for connecting 138-ACC, 138-LRS, and 138-LRSS.

SPEED REDUCTION – Sealed worm gear reducer, driven by v-belt. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – 150 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – LS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above LS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity affected with speed change.

END DRIVE – Mounted on inside radius. Minimum elevation 18 7/8 in.

SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor. Specify inside or outside. Minimum elevation: 11 1/16 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A or B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

SLAVE-DRIVEN – Standard drive may be omitted and curve slave-driven from 138-ACC (specify by sketch, location of slave connection). Minimum elevation: 10 1/2 in.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 1 HP maximum.

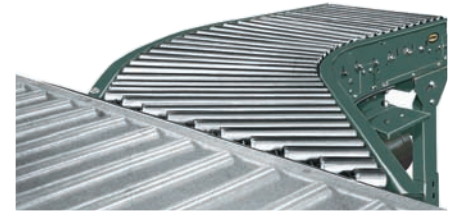
ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

138-LRS

Light-Duty Live Roller Spur Conveyor

The model 138-LRS live roller spur is used in diverging or converging applications. It may be self-powered or can be driven from 138-ACC, LRC, or LRSS conveyors.

- 4 Bed Widths
- Reversible
- Right- or Left-Hand Units Available
- Adjustable LS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

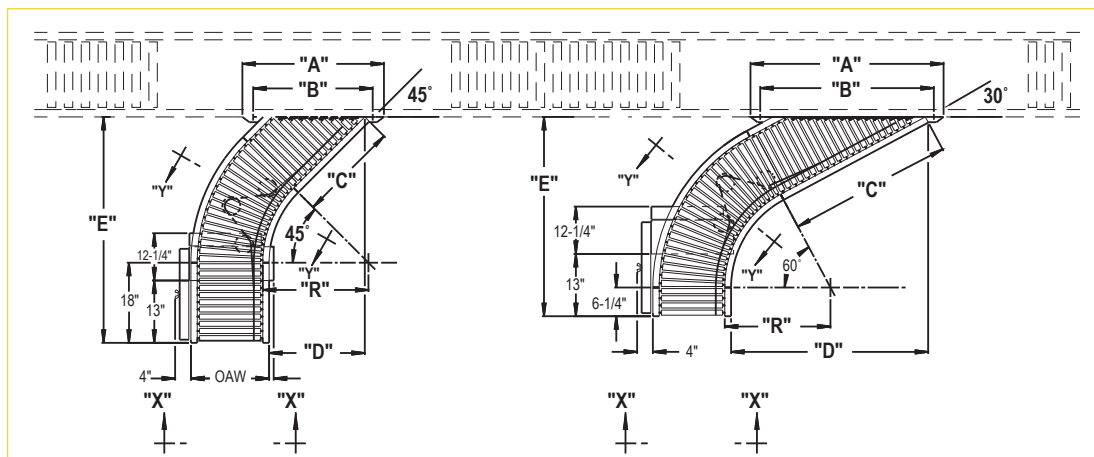
Between Rail Width	Overall Frame Width	"R"	"A"		"B"		"C"		"D"		"E"		"F"	"G"	Number of Rollers*		Weights (lbs.)	
			45°	30°	45°	30°	45°	30°	45°	30°	45°	30°			45°	30°	45°	30°
10"	12"		23"	32"	21"	30"											182	190
13"	15"	25"	26"	38"	24"	36"	21"	33"	22	41	50	44	9	9	36S	40S	186	194
16"	18"		32"	44"	30"	42"			11 1/32"	3 3/32"	23 3/32"	19 3/32"	3 3/4"	5 8"			190	198
22"	24"	32 1/2"	44"	56"	42"	54"	30"	45"	30	55	62	57	10	10	16S	17S	218	288
									3 3/4"	7 3/32"	3 3/8"	3 3/32"	5 16"	1 8"	10T	14T		

*T = TAPERED

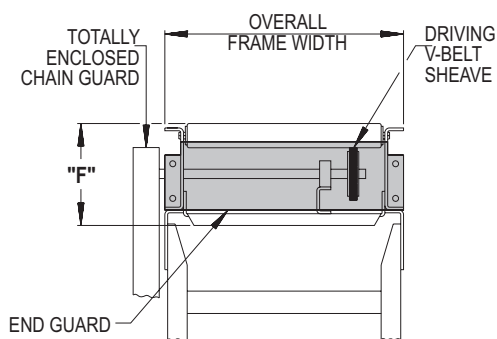
S = STRAIGHT

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

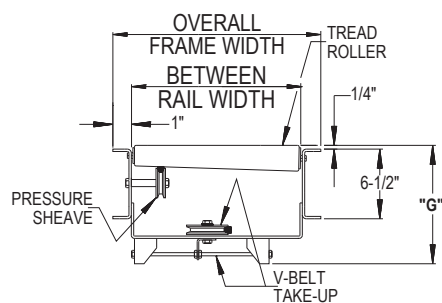
Note: 24 in. OAW Spur has 1.9 in. dia. tapered and straight rollers mounted in a 6 1/2 in. x 1 in. x 12 ga. painted form steel channel.



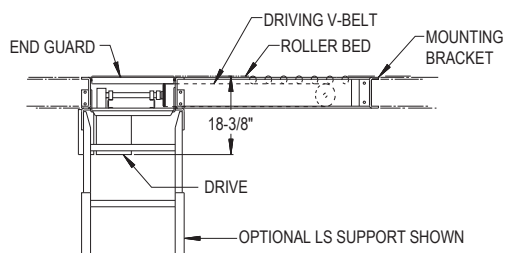
138-LRS



SECTION "X-X"



SECTION "Y-Y"

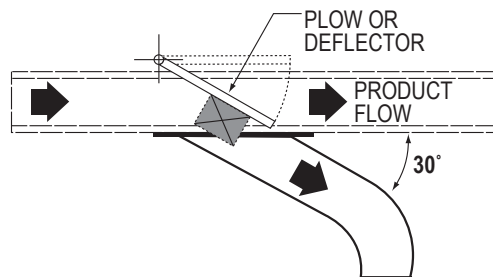


138-LRS

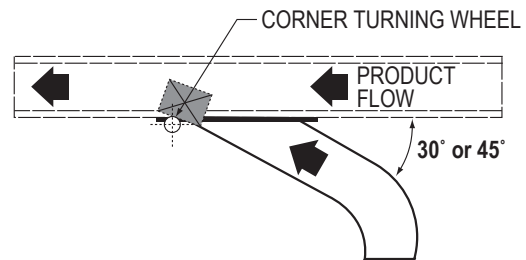
Spur Applications

Live Roller Spurs are used to transfer cartons, etc., onto and off of main conveyor lines. The illustrations below show the correct usage of plows and turning wheels with spurs in diverging and converging applications.

DIVERGING
30° is most desirable transfer angle.

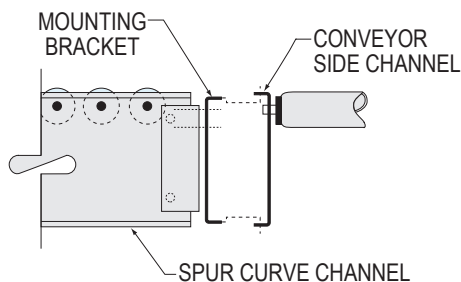


CONVERGING
Both 30° and 45° are desirable transfer angles.

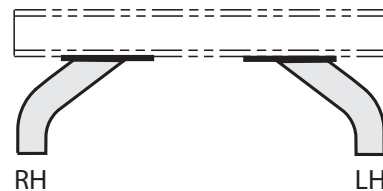


MOUNTING BRACKET

The 138-LRS is equipped with mounting brackets to attach unit to side channel of 138-ACC.



SPUR FLOW (Specify)



138-LRS

Standard Specifications

BED – Roller bed with 1 3/8 in. dia. roller x 18 ga. galvanized tube and 5/16 in. HRS hex shafts (12 in. through 18 in. OAW) and 2 1/2 in. dia. tapered to 1 11/16 in. dia. roller x 16 ga. galvanized tube and 1.9 in. dia. straight rollers x 16 ga. galvanized tube 7/16 in. HRS hex shafts (24 in. OAW). Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

END DRIVE – Mounted underneath bed section on outside radius.

DRIVING BELT – Endless B-section v-belt, industrial grade.

PRESSURE SHEAVES – 2 1/2 in. dia. with 3/8 in. bore.

IDLER SHEAVE – 4 in. dia. x 5/8 in. bore v-type and/or 5 1/2 in. dia. x 5/8 in. bore flat type.

TAKE-UP – Take-up provided to maintain proper v-belt tension. Includes 4 3/8 in. dia. x 5/8 in. bore v-type take-up sheave.

BEARINGS – Pre-lubricated, self-aligning ball bearings in tread rollers. Flange and pillow block bearings are sealed, pre-lubricated with eccentric lock collar.

MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of 138-ACC conveyor.

BUTT COUPLINGS – Standard for connecting 138-ACC and 138-LRC.

SPEED REDUCTION – Sealed worm gear reducer, driven by v-belt. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 PH. 60 Hz. Totally enclosed.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – 150 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – LS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above LS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity affected with speed change.

END DRIVE – Mounted on inside radius. Minimum elevation: 18 7/8 in.

SIDE MOUNTED DRIVE – Motor-reducer unit mounted to side of conveyor. Specify inside or outside. Minimum elevation: 11 1/16 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A or B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

SLAVE-DRIVEN – Standard drive may be omitted and curve slave-driven from 138-ACC (specify by sketch, location of slave connection). Minimum elevation: 10 1/2 in.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 1/2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

138-LRSS

Light-Duty Live Roller Straight Spur Conveyor

The model 138-LRSS live roller straight spur is used in diverging or converging applications. It may be self-powered or can be driven from 138-ACC, LRC, or LRS conveyors.

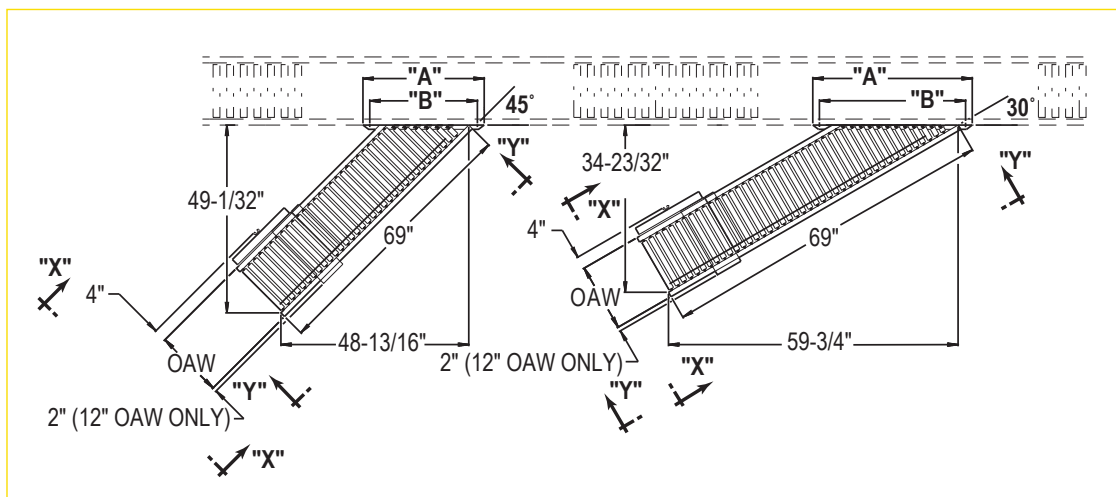
- 4 Bed Widths
- Reversible
- Right- or Left-Hand Units Available
- Adjustable LS-Type Floor Supports Available



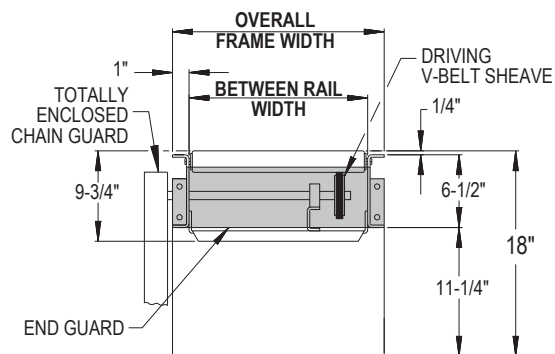
TECHNICAL MANUAL

Between Rail Width	Overall Frame Width	"A"		"B"		Weights (lbs.)	
		45°	30°	45°	30°	45°	30°
10"	12"	23"	32"	21"	30"	162	187
13"	15"	26"	38"	24"	36"	167	193
16"	18"	32"	44"	30"	42"	172	200
22"	24"	41"	56"	39"	54"	177	206

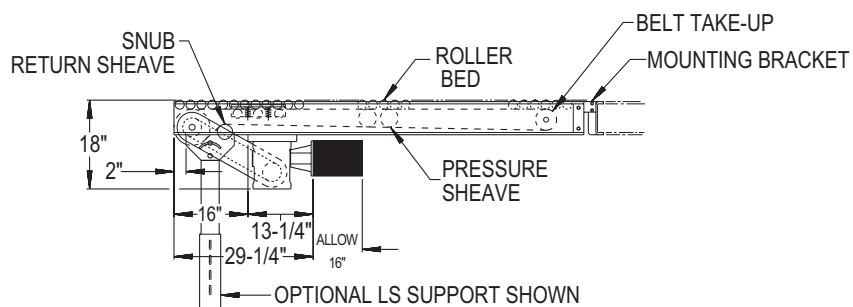
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



138-LRSS



SECTION "X-X"



SECTION "Y-Y"

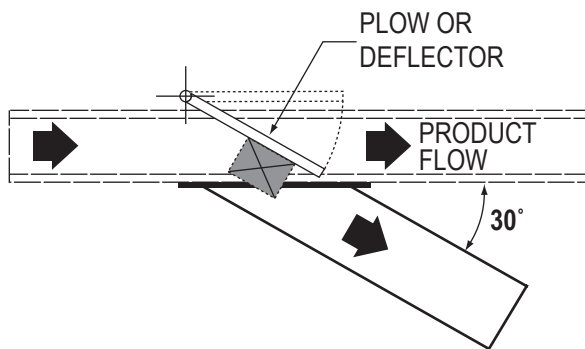
138-LRSS

Spur Applications

Live roller spurs are used to transfer cartons, etc., onto and off of main conveyor lines. The illustrations below show the correct usage of plows and turning wheels with spurs in diverging and converging applications.

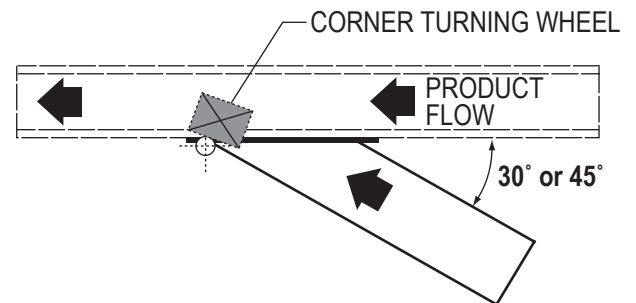
DIVERGING

30° most desirable transfer angle.



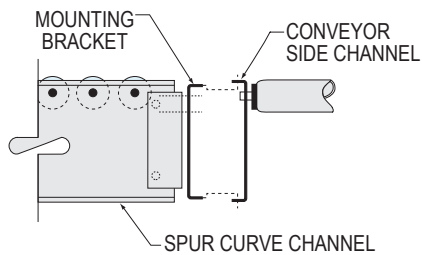
CONVERGING

Both 30° and 45° are desirable transfer angles.

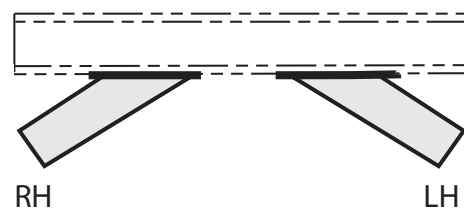


MOUNTING BRACKET

The 138-LRSS is equipped with mounting brackets to attach unit to side channel of 138-ACC.



SPUR FLOW (Specify)



138-LRSS

Standard Specifications

BED – Roller bed with 1 3/8 in. dia. roller x 18 ga. galvanized tube 5/16 in. HRS hex shafts spaced every 1 1/2 in. Mounted in 6 1/2 in. x 12 ga. powder-painted steel frame.

END DRIVE – Mounted underneath bed section.

DRIVE BELT – Endless B-section aramid core v-belt drives each section of conveyor.

PRESSURE SHEAVES – 2 1/2 in. dia. with 3/8 in. bore.

SNUB RETURN SHEAVE – 3 1/4 in. dia. x 1/2 in. bore flat idler has seven position adjustment.

TAKE-UP – Take-up provided to maintain proper v-belt tension. Includes 4 3/8 in. dia. x 5/8 in. bore v-type take-up sheave.

BEARINGS – Tread rollers have pre-lubricated, self-aligning ball bearings. Flange and pillow block bearings are sealed, and pre-lubricated with eccentric lock collar.

MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of 138-ACC conveyor.

BUTT COUPLINGS – Standard for connecting 138-ACC and 138-LRC.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – 150 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – LS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above LS-6 support.

BED LENGTHS – 57 in. and 63 in. Drive not available on all lengths and widths. Contact factory.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity affected with speed change.

SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor. Minimum elevation with standard sheave retainer 11 1/16 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A and B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

SLAVE-DRIVEN – Standard drive may be omitted and spur slave-driven from 138-ACC. Specify by sketch, location of slave connection. Minimum elevation: 10 1/2 in.

MOTOR – Energy efficient, single phase, brakemotor, other characteristics. 1/2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

190-ACC

Minimum-Pressure Roller Conveyor

The simplest method ever devised for accumulating cartons, boxes, etc. Basic design eliminates complicated adjustments and allows a minimum 2 percent back-pressure.

- 12 Bed Widths
- 2 Percent Minimum Back-Pressure
- Finger Tip Snub Roller Adjustment, No Tools Needed
- Reversible
- Adjustable MS-Type Floor Support Available



Conveyor shown with optional floor supports and shaft-mounted drive.

TECHNICAL MANUAL



Size To Order	Between Rail Width	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Length "A"	Overall Frame Width	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
5'		231	238	252	263	277	289	299	314	337	350	375	387
10'		370	384	410	429	455	477	495	522	564	588	633	655
15'		509	530	568	595	633	665	691	730	791	826	891	923
20'		648	676	726	761	811	853	887	938	1018	1064	1149	1191
25'		787	822	884	927	989	1041	1083	1146	1245	1302	1407	1459
30'		926	968	1042	1093	1167	1229	1279	1354	1472	1540	1665	1727
35'		1065	1114	1200	1259	1345	1417	1475	1562	1699	1778	1923	1995
40'		1204	1260	1358	1425	1523	1605	1671	1770	1926	2016	2181	2263
45'	Weights (lbs.)	1343	1406	1516	1591	1701	1793	1867	1978	2153	2254	2439	2531
50'	Based on	1482	1552	1674	1757	1879	1981	2063	2186	2380	2492	2697	2799
55'	3" Roller	1621	1698	1832	1923	2057	2169	2259	2394	2607	2730	2955	3067
60'	Centers	1760	1844	1990	2089	2235	2357	2455	2602	2834	2968	3213	3335
65'		1899	1990	2148	2255	2413	2545	2651	2810	3061	3206	3471	3603
70'		2038	2136	2306	2421	2591	2733	2847	3018	3288	3444	4503	3871
75'		2177	2282	2464	2587	2769	2921	3043	3226	3515	3682	3987	4139
80'		2316	2428	2622	2753	2947	3109	3239	3434	3742	3920	4245	4407
85'		2455	2574	2780	2919	3125	3297	3435	3642	3969	4158	3503	4675
90'		2594	2720	2938	3085	3303	3485	3631	3850	4196	4396	4761	4943
95'		2733	2886	3096	3251	3481	3673	3827	4058	4423	4634	5019	5211
100'		2872	3012	3254	3417	3659	3861	4023	4266	4650	4872	5277	5479

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Note: 16 in., 20 in., 22 in., 26 in., 28 in., 34 in., 36 in., 40 in., and 42 in. Overall Frame Widths. Intermediate bed sections are available in multiples of 4 ft., 5 ft., 6 ft., 7 1/2 ft., 8 ft., and 10 ft. lengths only.

190-ACC

How It Works

The driving of the tread rollers on the Hytrol minimum pressure conveyor is accomplished with the top surface of a standard section endless flat belt. The strength and wear qualities of the tread rollers and this belt have been thoroughly tested for continuous duty.

To maintain the driving of the tread roller, the pressure roller is mounted in spring adjusted carriers (see photo) which sense the required driving friction regardless of the length of accumulated load. This pressure can be maintained constantly to give a 2 percent minimum back pressure in either a forward or reverse direction.

In the event of extreme changes in unit load (weight of box or package), convenient knurled thumb adjusting nuts can be turned to accept this heavier load.

This method eliminates the need for selecting proper tension spring holes in trigger mechanisms or jogging cleats on driving belt and eccentric (off center) tread rollers.

By maintaining a constant minimum pressure on the tread rollers, long loads may be conveyed, accumulated or stopped on the conveyor at any point using very little motor horsepower and giving practically no pressure between boxes or packages.



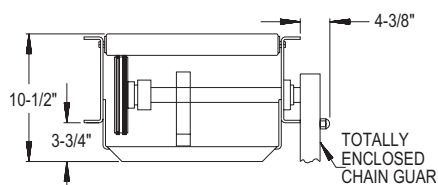
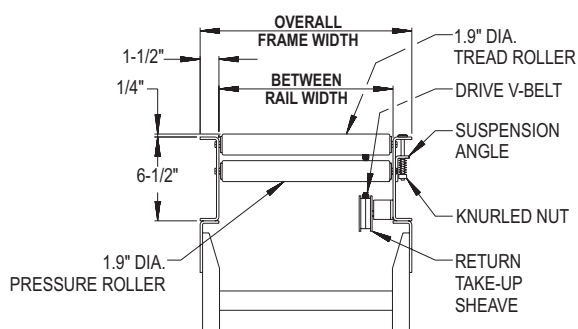
190-ACC

Load Capacity Chart @ 65 FPM

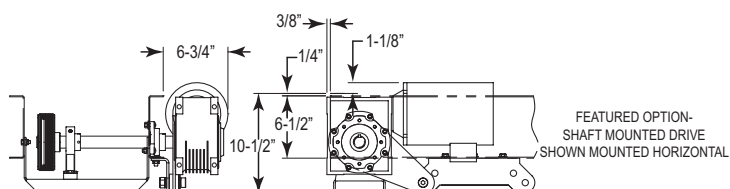
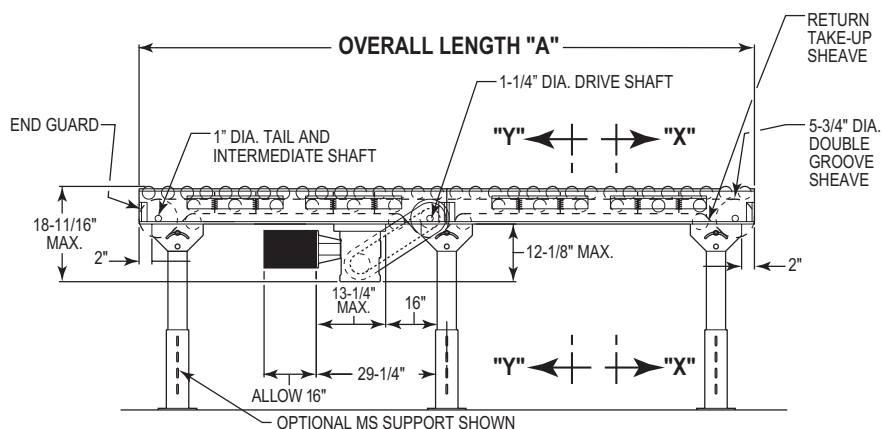
HP	Overall Frame Widths 16" to 22" Total Load (lbs.) Up to 100'	Overall Frame Widths 24" to 30" Total Load (lbs.) Up to 100'	Overall Frame Widths 34" to 42" Total Load (lbs.) Up to 100'
1/2	1000	800	500
1	2400	2200	2000
2	3500	3000	2600

Speed Chart for Shaft-Mounted Drive on 199-ACC

Speed FPM	Max HP	Motor Frame
26	1/2	56C
32	1	56C
43	1	56C
52	1	56C
64	2	140TC
86	2	140TC
103	2	140TC
129	2	140TC
172	2	140TC
257	2	140TC
343	2	140TC



SECTION "Y-Y"



FEATURED OPTION-
SHAFT MOUNTED DRIVE
SHOWN MOUNTED HORIZONTAL

190-ACC

Standard Specifications

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. and 1.9 in. dia. pressure rollers x 16 ga. galvanized tube spaced every 6 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with butt couplings.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

DRIVE – Mounted underneath, placed near center of conveyor.

DRIVE BELT – Endless B-section aramid core v-belt drives each section of conveyor.

RETURN TAKE-UP SHEAVE – 3 1/4 in. dia. x 1/2 in. bore flat idler has seven position adjustment to maintain proper v-belt tension.

BEARINGS – Tread and pressure rollers have pre-lubricated ball bearings. Flange and pillow block bearings are sealed, pre-lubricated with eccentric lock collar.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 25 to 120 FPM.

CAPACITY – Maximum load per linear foot of conveyor 150 lbs. NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant speeds from 25 to 120 FPM. V-belt drive supplied under 56 FPM (with 1 HP). Note: Capacity and accumulation feature affected with speed change.

SHAFT-MOUNTED DRIVE – Motor reducer unit mounted on extended drive shaft. Can be mounted with standard sheave retainer for 10 1/2 in. elevation (motor horizontal), or can be mounted with low elevation sheave retainer for 8 3/4 in. elevation (motor vertical). Mounting bracket and torque arm allows for multiple mounting positions. See above chart for speeds.

SIDE-MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor. Elevation 10 1/2 in. with standard sheave retainer. 9 3/8 in. elevation at drive, 8 3/4 in. elevation at intermediate when low elevation sheave retainer used.

V-BELT DRIVE – V-belt supplied between motor and reducer.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

PACKAGE STOP – Roller-or pin-type stops available.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A and B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected. Fixed channel overlapping, one direction. Fixed channel non-overlapping, reversing.

ROLLER CENTERS – Tread rollers spaced every 2 in. and 4 in. NOT AVAILABLE in 7 ft. 6 in. bed.

SPRING BALANCED GATE – See 190-E24G powered or gravity die spring balanced gate.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, brakemotor, and other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

190-LRC

Medium-Duty Live Roller Curve Conveyor

The model 190-LRC is a medium-duty live roller curve that provides a positive drive for negotiating 30-, 45-, 60-, or 90-degree turns. It may be self-powered or can be driven from 190-ACC, LRS, or LRSS conveyors.

TECHNICAL MANUAL

- 12 Bed Widths
- Reversible
- Tapered Tread Rollers
- Adjustable MS-Type Floor Supports Available



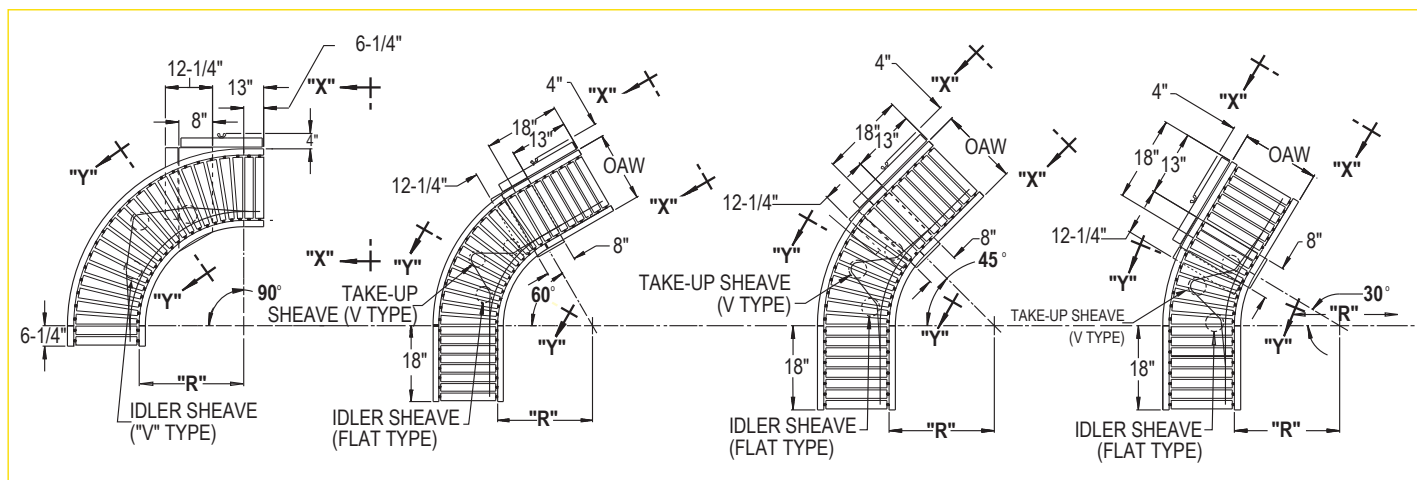
Conveyor shown with optional floor supports.

Between Rail Width	Overall Frame Width	"R"	Total Number of Rollers*				Weights (lbs.)			
			90°	60°	45°	30°	90°	60°	45°	30°
13"	16"	24"	16T/4S	10T/12S	8T/12S	5T/12S	336	330	323	317
15"	18"						349	343	336	300
17"	20"						364	357	350	343
19"	22"						378	371	364	357
21"	24"	32 1/2"	20T/4S	14T/12S	10T/12S	7T/12S	393	386	378	371
23"	26"						408	401	393	386
25"	28"						425	417	409	401
27"	30"						442	434	425	417
31"	34"						562	551	540	529
33"	36"						585	573	562	550
37"	40"	48"	30T/4S	22T/12S	14T/12S	10T/12S	625	613	601	589
39"	42"						651	638	625	612

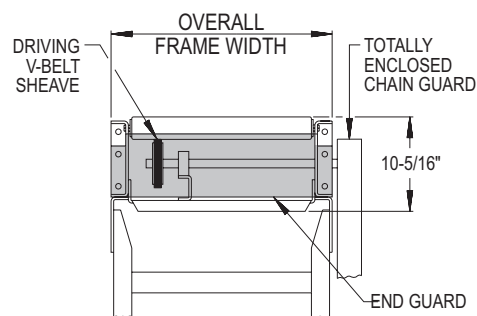
*T = TAPERED

S = STRAIGHT

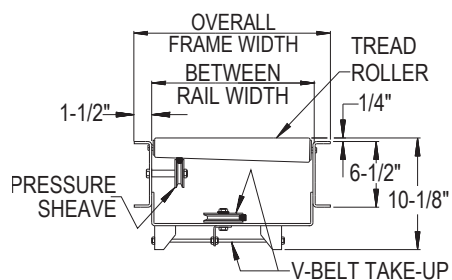
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



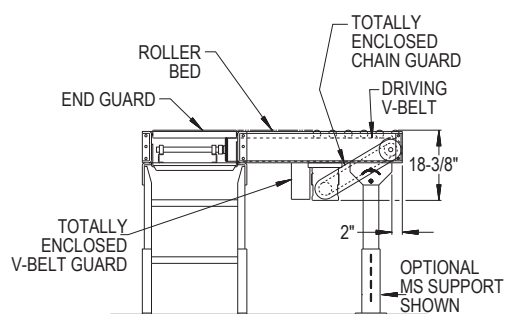
190-LRC



SECTION "X-X"

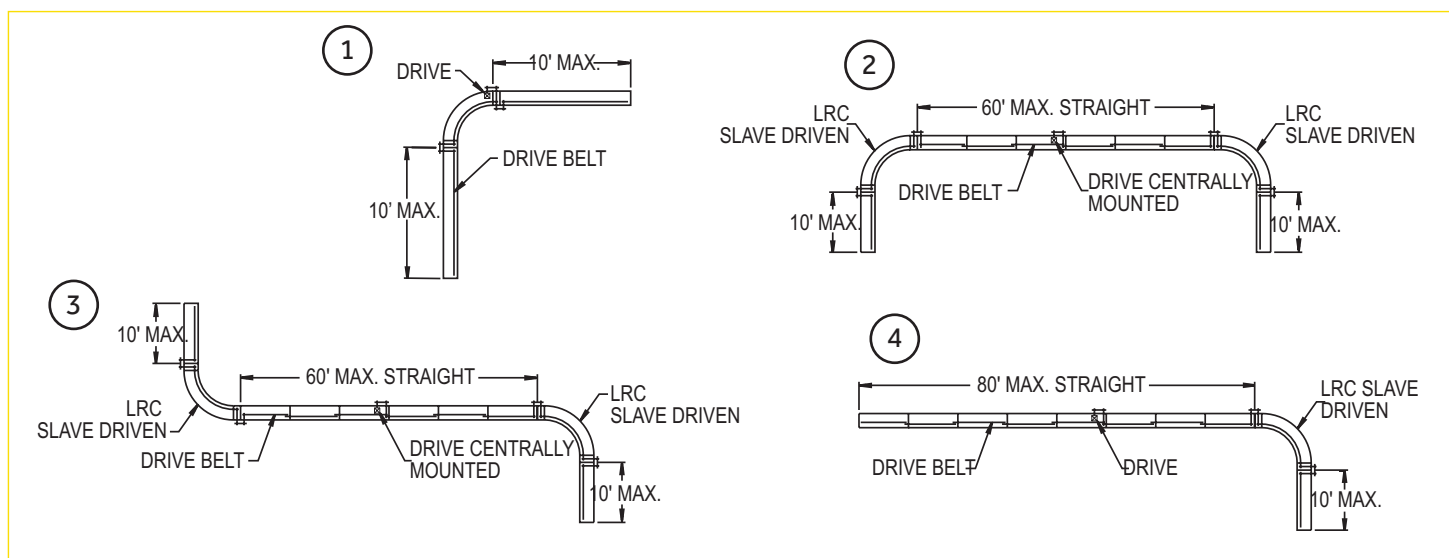


SECTION "Y-Y"



190-LRC

Horsepower required to slave-drive LRCs and LRCTs from ACCs affects the lengths of ACCs due to the capacities of the driving v-belt. The four arrangements shown illustrate basic limitations. Other arrangements are possible.



NOTES:

- Curves may be 30, 45, 60, and 90 degrees
- Curves are not accumulating
- Snub roller adjustment is on drive belt side of conveyor

190-LRC

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized and 1.9 in. dia. roller x 16 ga. galvanized tube. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

END DRIVE – Mounted underneath bed section on outside radius.

DRIVING BELT – Endless B-section v-belt, industrial grade.

PRESSURE SHEAVES – 2 1/2 in. dia. with 3/8 in. bore.

IDLER SHEAVE – 4 in. dia. x 5/8 in. bore v-type and/or 5 1/2 in. dia. x 5/8 in. bore flat type.

TAKE-UP – Take-ups provided to maintain proper v-belt tension. Includes 4 3/8 in. dia. x 5/8 in. bore v-type take-up sheave.

BEARINGS – Tread rollers have pre-lubricated ball bearings. Flange and pillow block bearings are sealed, pre-lubricated with eccentric lock collar.

BUTT COUPLINGS – Standard for connecting 190-ACC, 190-LRS, 190-LRSS, 190-ACZ, or 190-LR conveyors.

SPEED REDUCTION – Sealed worm gear speed reducer driven by v-belt. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – 500 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity affected with speed change.

END DRIVE – Mounted on inside radius. Minimum elevation 18 7/8 in.

SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor. Specify inside or outside. Minimum elevation 11 1/8 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel or type A and B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

SLAVE-DRIVEN – Standard drive may be omitted and curve slave-driven from 190-ACC, 190-ACZ, or 190-LR conveyors. Specify by sketch, location of slave connection. Minimum elevation: 11 in.

MOTOR – Energy efficient, single phase, brakemotor, and other characteristics. 1 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

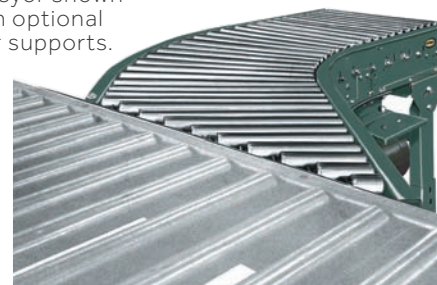
190-LRS

Medium-Duty Live Roller Spur Conveyor

The model 190-LRS live roller spur is used in diverging or converging applications. It may be self-powered or can be driven from 190-ACC, LRC, or LRSS conveyors.

- 12 Bed Widths
- Reversible
- Right- or Left-Hand Units Available
- Adjustable MS-Type Floor Supports Available

Conveyor shown with optional floor supports.



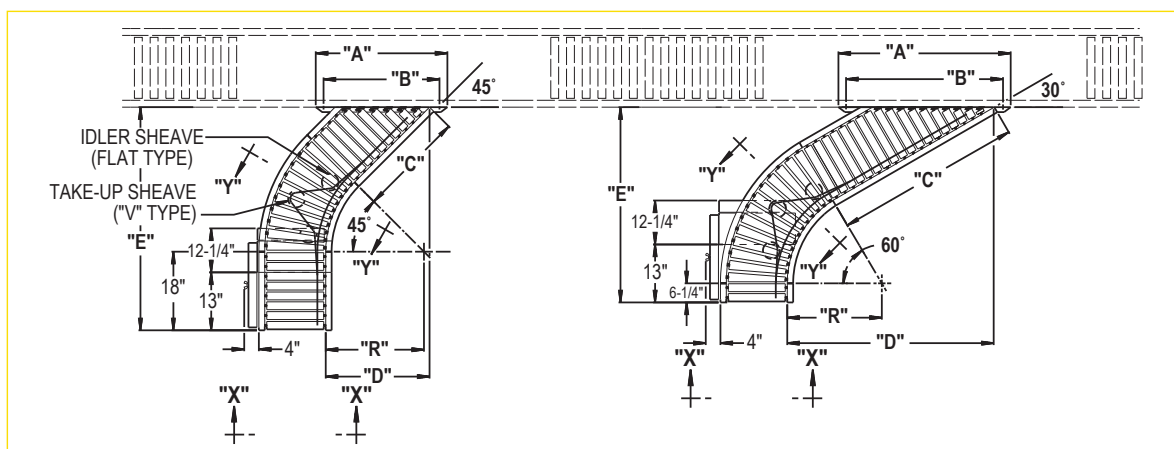
TECHNICAL MANUAL

Between Rail Width	Overall Frame Width	"R"	"A"		"B"		"C"		"D"		"E"		Number of Rollers*		Weights (lbs.)	
			45°	30°	45°	30°	45°	30°	45°	30°	45°	30°	45°	30°	45°	30°
13"	16"	24"	29"	38"	27"	36"	21"	30"	21 7/8"	38"	50"	42 7/32"	13S/8T	12S/10T	195	206
15"	18"	32 1/2"	32"	41"	30"	39"									224	245
17"	20"		35"	47"	33"	45"									233	255
19"	22"		38"	50"	36"	48"									241	264
21"	24"		41"	53"	39"	51"	36"	54"	34 31/32"	63"	66 5/8"	61 19/32"	18S/10T	20S/14T	250	270
23"	26"		44"	56"	42"	54"									262	287
25"	28"	48"	47"	62"	45"	60"									276	299
27"	30"		50"	65"	48"	63"									282	311
31"	34"		56"	74"	54"	72"									322	380
33"	36"		59"	77"	57"	75"	48"	75"	48"	88 31/32"	86 1/16"	85 1/2"	22S/14T	27S/22T	329	390
37"	40"		65"	86"	63"	84"									340	406
39"	42"		68"	89"	66"	87"									351	416

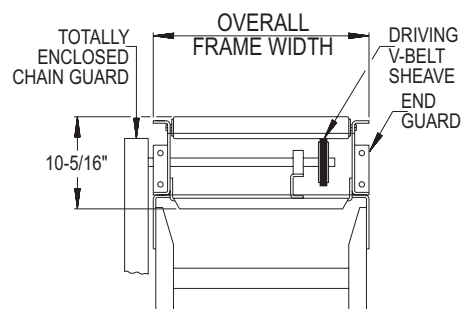
*T = TAPERED

S = STRAIGHT

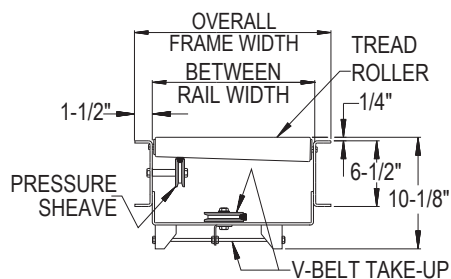
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



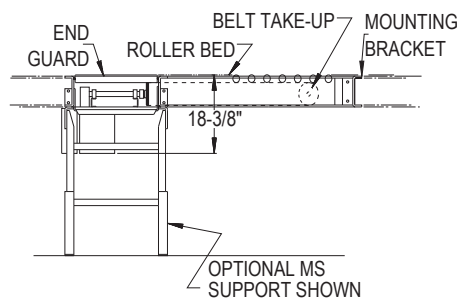
190-LRS



SECTION "X-X"



SECTION "Y-Y"

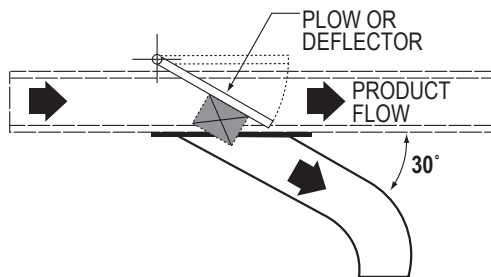


190-LRS

Live roller spurs are used to transfer cartons, boxes, etc., onto and off of main conveyor lines. The illustrations below show the correct usage of plows and turning wheels with spurs in diverging and converging applications.

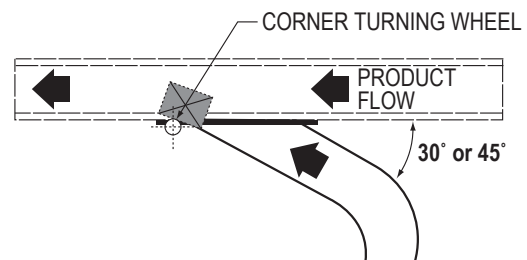
DIVERGING

30° is most desirable transfer angle.



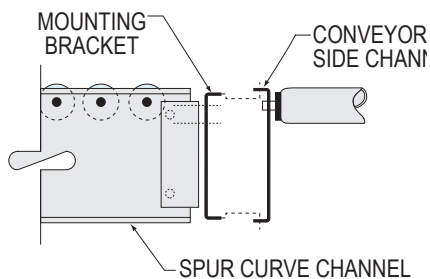
CONVERGING

Both 30° and 45° are desirable transfer angles.

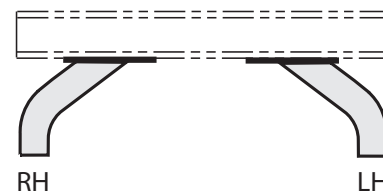


MOUNTING BRACKET

The 190-LRS is equipped with mounting brackets to attach unit to side channel of 190-ACC, 190-ACZ, or 190-LR.



SPUR FLOW (Specify)



190-LRS

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. roller x 14 ga. galvanized and 1.9 in. dia. roller x 16 ga. galvanized tube. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

END DRIVE – Mounted underneath bed section on outside radius.

DRIVING BELT – Endless B-section v-belt, industrial grade.

PRESSURE SHEAVES – 2 1/2 in. dia. with 3/8 in. bore.

IDLER SHEAVE – 4 in. dia. x 5/8 in. bore v-type or 5 1/2 in. dia. x 5/8 in. bore flat type.

TAKE-UP – Take-ups provided to maintain proper v-belt tension. Includes 4 3/8 in. dia. x 5/8 in. v-type take-up sheave.

BEARINGS – Tread rollers have pre-lubricated ball bearings. Flange and pillow block bearings are sealed, and pre-lubricated with eccentric lock collar.

MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of 190-ACC, 190-ACZ, or 190-LR conveyors.

BUTT COUPLINGS – Standard for connecting 190-ACC, 190-LRC, 190-ACZ, or 190-LR conveyors.

SPEED REDUCTION – Sealed worm gear reducer driven by v-belt. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – 500 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity affected with speed change.

END DRIVE – Mounted on inside radius. Minimum elevation: 18 7/8 in.

SIDE MOUNTED DRIVE – Motor reducer unit mounted to side of conveyor. Minimum elevation: 11 1/16 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A and B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

SLAVE-DRIVEN – Standard drive may be omitted and curve slave-driven from 190-ACC, 190-ACZ, or 190-LR conveyors. Specify by sketch the location of slave connection. Minimum elevation: 11 in.

MOTOR – Energy efficient, single phase, brakemotor, and other characteristics. 1 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

190-LRSS

Medium-Duty Live Roller Straight Spur Conveyor

The model 190-LRSS live roller straight spur is used in diverging or converging applications. It may be self-powered or can be driven from 190-ACC, LRC, or LRS conveyors.

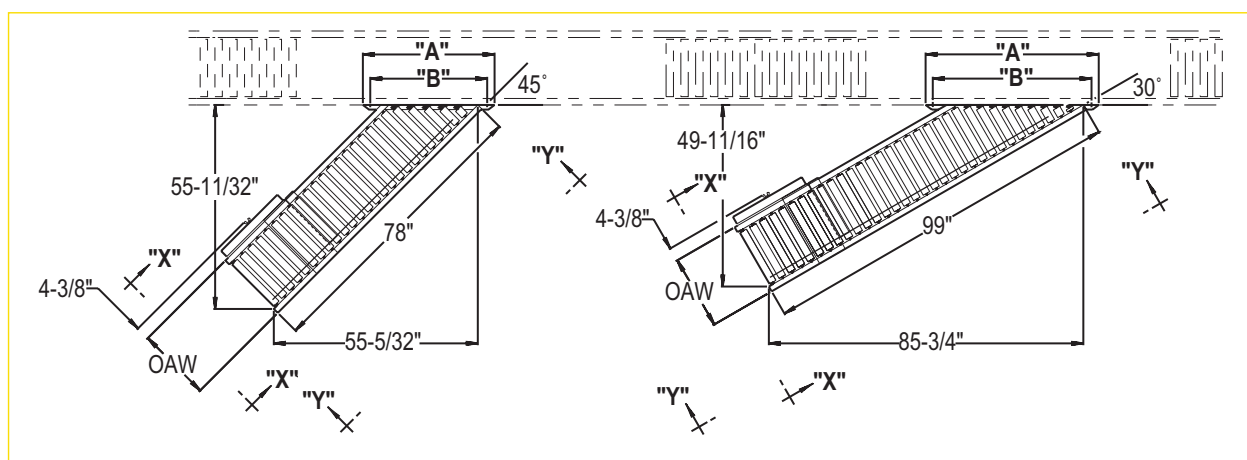
- 12 Bed Widths
- Reversible
- Right- or Left-Hand Units Available
- Adjustable MS-Type Floor Supports Available



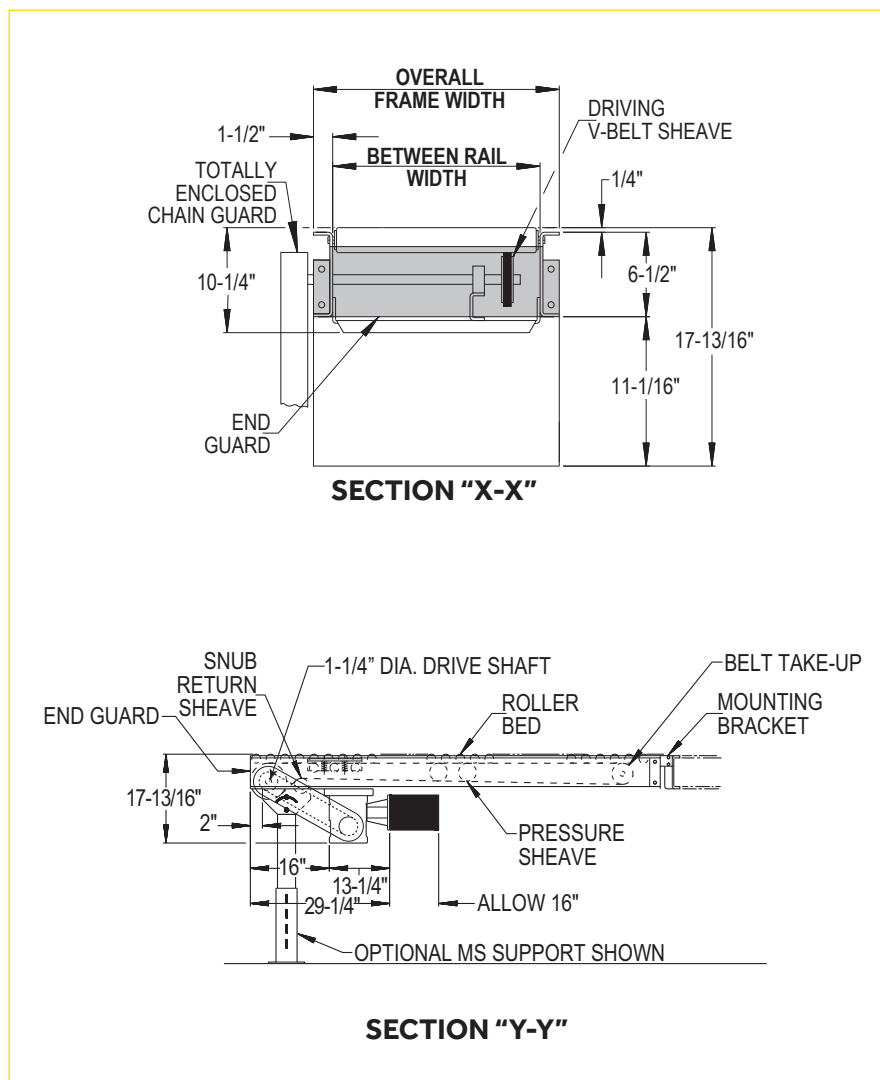
TECHNICAL MANUAL

Between Rail Width	Overall Frame Width	"A"		"B"		Weights (lbs.)	
		45°	30°	45°	30°	45°	30°
13"	16"	29"	38"	27"	36"	176	202
15"	18"	32"	41"	30"	39"	179	210
17"	20"	35"	47"	33"	45"	182	214
19"	22"	38"	50"	36"	48"	185	216
21"	24"	41"	53"	39"	51"	188	219
23"	26"	44"	56"	42"	54"	191	222
25"	28"	47"	62"	45"	60"	194	224
27"	30"	50"	65"	48"	63"	198	227
31"	34"	56"	74"	54"	72"	201	230
33"	36"	59"	77"	57"	75"	208	235
37"	40"	65"	86"	63"	84"	212	239
39"	42"	68"	89"	66"	87"	216	243

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



190-LRSS



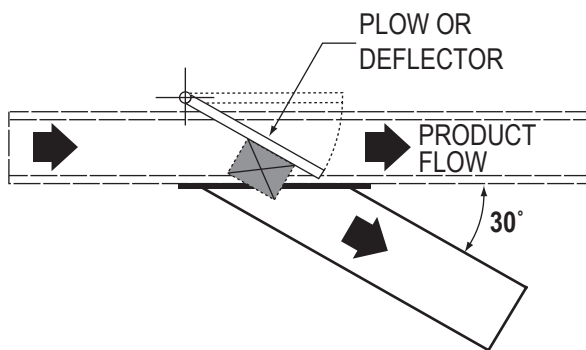
190-LRSS

Spur Applications

Live roller spurs are used to transfer cartons, boxes, etc., onto and off of main conveyor lines. The illustrations below show the correct usage of plows and turning wheels with spurs in diverging and converging applications.

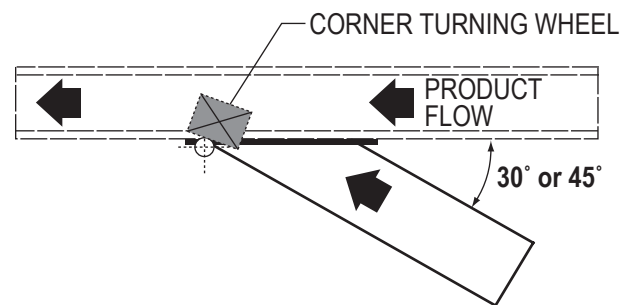
DIVERGING

30° is most desirable transfer angle.



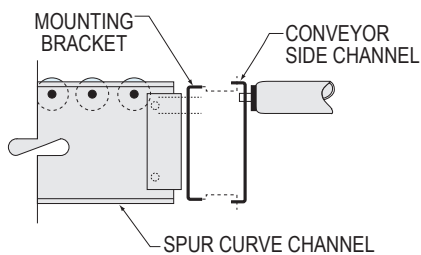
CONVERGING

Both 30° and 45° are desirable transfer angles.

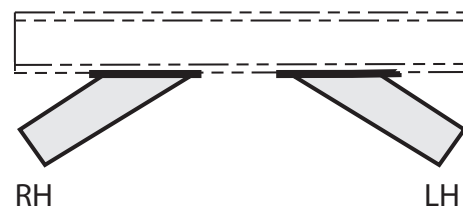


MOUNTING BRACKET

The 190-LRSS is equipped with mounting brackets to attach unit to side channel of 190-ACC, 190-ACZ, or 190-LR.



SPUR FLOW (Specify)



190-LRSS

Standard Specifications

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame.

END DRIVE – Mounted underneath bed section.

DRIVE BELT – Endless B-section aramid core v-belt drives each section of conveyor.

PRESSURE SHEAVES – 2 1/2 in. dia. with 3/8 in. bore.

SNUB RETURN SHEAVE – 3 1/4 in. dia. x 1/2 in. bore flat idler has seven position adjustments.

TAKE-UP – Take-ups provided to maintain proper v-belt tension. Includes 4 in. dia. x 5/8 in. bore v-type take-up sheave.

BEARINGS – Tread rollers have pre-lubricated ball bearings. Flange and pillow block bearings are sealed, and pre-lubricated with eccentric lock collar.

MOUNTING BRACKET – Bracket is supplied to attach spur to side channels of 190-ACC, 190-ACZ, or 190-LR conveyors.

BUTT COUPLINGS – Standard for connecting 190-ACC, 190-LRC, 190-ACZ, or 190-LR conveyors.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – 500 lbs. total distributed live load.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BED LENGTHS – 57 in., 63 in., 69 in., 75 in., 81 in., and 87 in. Drive not available on all lengths and widths. Contact factory.

CONVEYING SPEED – Other constant and variable speeds from 25 to 120 FPM. Note: Capacity affected with speed change.

SHAFT-MOUNTED DRIVE – Motor reducer unit mounted on extended drive shaft. Can be mounted with standard sheave retainer for 10 1/2 in. elevation (motor horizontal), or can be mounted with low elevation sheave retainer for 8 3/4 in. elevation (motor vertical). Mounting bracket and torque arm allows for multiple mounting positions. See chart (190-ACC) for speeds.

SIDE MOUNTED DRIVE – Motor-reducer unit mounted to side of conveyor. Minimum elevation: 11 1/2 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A or B angle. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

SLAVE-DRIVEN – Standard drive may be omitted and spur slave-driven from 190-ACC, 190-ACZ, or 190-LR conveyors. Specify by sketch the location of slave connection. Minimum elevation: 11 in.

MOTOR – Energy efficient, single phase, brakemotor, and other characteristics. 1 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

190-ACZ

Minimum-Pressure Roller Conveyor

The model 190-ACZ accumulates cartons, boxes, etc. Basic design eliminates complicated adjustments and allows a minimum of 2 percent back-pressure.

- 12 Bed Widths
- 2 Percent Minimum Back-Pressure
- Finger Tip Snub Roller Adjustment, Both Sides
- Reversible
- Center Drive
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

TECHNICAL MANUAL

Size To Order Overall Length "A"	Between Rail Width Drive Belt Width Overall Frame Width	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
		6"						8"					
		16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
10'	Weights (lbs.) Based on 3" Roller Centers	385	416	448	479	509	551	581	612	679	720	771	803
15'		521	552	596	637	679	733	774	816	908	950	1033	1077
20'		657	688	744	797	849	915	967	1020	1137	1190	1295	1351
25'		793	824	898	956	1019	1097	1160	1224	1366	1430	1557	1625
30'		929	960	1040	1115	1189	1279	1353	1428	1595	1670	1819	1899
35'		1065	1096	1188	1274	1359	1461	1546	1632	1824	1910	2081	2173
40'		1201	1232	1336	1433	1529	1643	1739	1836	2053	2150	2343	2447
45'		1337	1368	1484	1592	1699	1825	1932	2040	2282	2390	2605	2721
50'		1473	1504	1632	1751	1869	2007	2125	2244	2511	2630	2867	2995
55'		1609	1640	1780	1910	2039	2189	2318	2448	2740	2870	3129	3269
60'		1745	1776	1928	2069	2209	2371	2511	2652	2969	3010	3391	3543
65'		1886	1912	2076	2228	2379	2553	2704	2856	3198	3350	3653	3817
70'		2017	2048	2224	2387	2549	2735	2897	3060	3427	3590	3915	4091
75'		2153	2184	2372	2546	2719	2917	3090	3264	3656	3830	4177	4365
80'		2289	2320	2520	2705	2889	3099	3283	3468	3885	4070	4439	4639
85'		2425	2456	2668	2864	3059	3281	3476	3672	4114	4310	4701	4913
90'		2561	2592	2816	3023	3229	3463	3669	3876	4343	4550	4963	5187
95'		2697	2728	2964	3182	3399	3645	3862	4080	4572	4790	5225	5461
100'		2833	2864	3112	3341	3569	3827	4055	4284	4801	5030	5487	5735

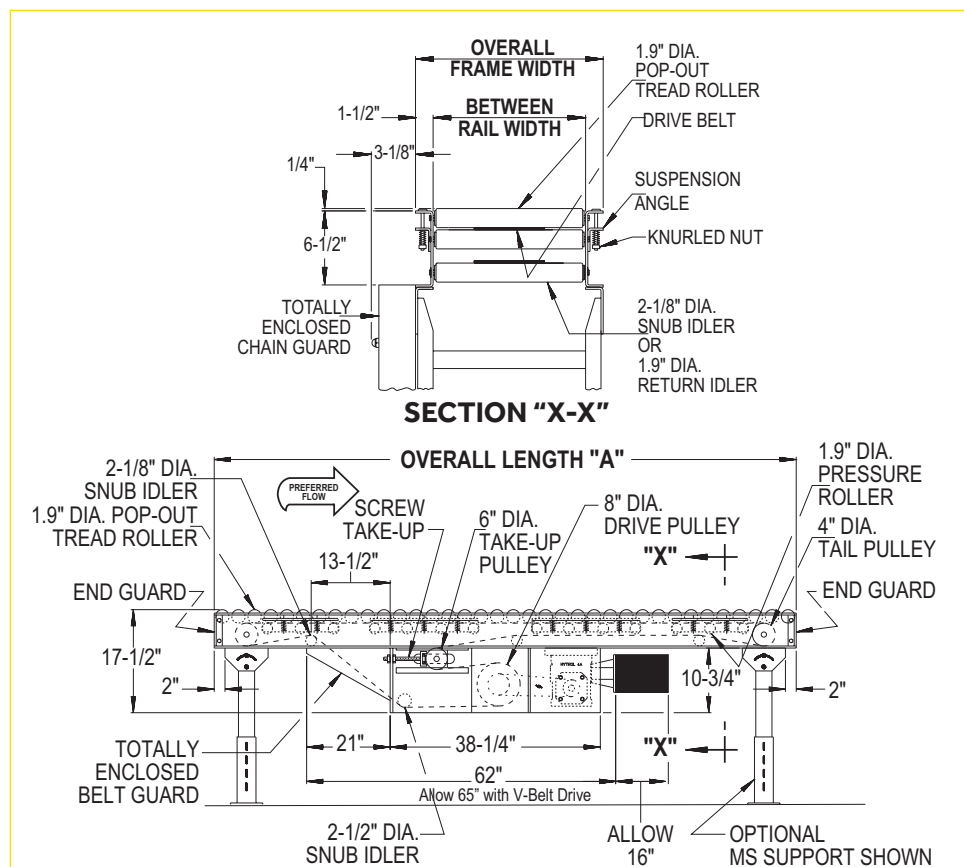
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



190-ACZ

Load Capacity Chart @ 65 FPM						
HP	Over Frame Width 16" to 22"		Over Frame Width 24" to 30"		Over Frame Width 34" to 42"	
	Total Load (lbs.)		Total Load (lbs.)		Total Load (lbs.)	
	Up to 50'	Up to 100'	Up to 50'	Up to 100'	Up to 50'	Up to 100'
1/2	1100	200	600	—	—	—
1	3300	2400	2800	1600	2200	—
2	7000	6000	6400	5200	5800	3300

190-ACZ



Standard Specifications

BELT – Ultimate 140 BBS, Nitrile.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. and 1.9 in. dia. pressure roller x 16 ga. galvanized tube spaced every 6 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame, bolted together with butt couplings.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

CENTER DRIVE – Can be placed in any section of conveyor length.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings, fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups in tail drive. Provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive, tail, and take-up pulleys. Pre-lubricated ball bearings in tread and pressure rollers.

SPEED REDUCTION – Sealed worm C-face gear reducer. No. 50 roller chain to drive sheave.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally Enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 150 lbs. NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

190-ACZ

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 20 to 90 FPM. V-belt drive supplied under 46 FPM (2 HP) and with variable speeds. Note: Capacity and accumulation feature affected with speed change.

SIDE MOUNTED LOW ELEVATION CENTER DRIVE
– Motor reducer unit mounted to side of conveyor. Minimum low elevation: 16 in.

SIDE MOUNTED END DRIVE – Minimum elevation 12 1/4 in. (underside take-up required).

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

PACKAGE STOP – Roller- or pin-type stops available. Contact factory.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, type A angle elevated to allow for pop-out tread rollers. Type B angle not available. See Accessory section. Note: If product comes in contact with guard rails, product flow will be affected. Fixed channel overlapping, one direction. Fixed channel non-overlapping, reversing.

ROLLER CENTERS – Tread rollers spaced every 4 in., 6 in., or 8 in. (4 in. or 8 in. centers NOT AVAILABLE in 7 ft. 6 in. bed).

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase brakemotor, and other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

190-NSP

Minimum-Pressure Roller Spool Conveyor

The Model 190-NSP Live Roller Spool Conveyor is a general transport conveyor with the capabilities of accumulating products with back pressure. Quiet operation, versatile design, easy installation and maintenance make the 190-NSP conveyor a valuable component in operations requiring high performance with minimal downtime.

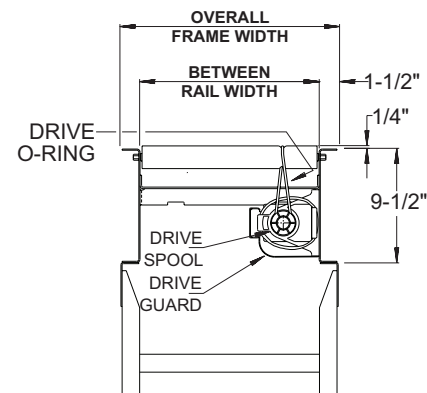
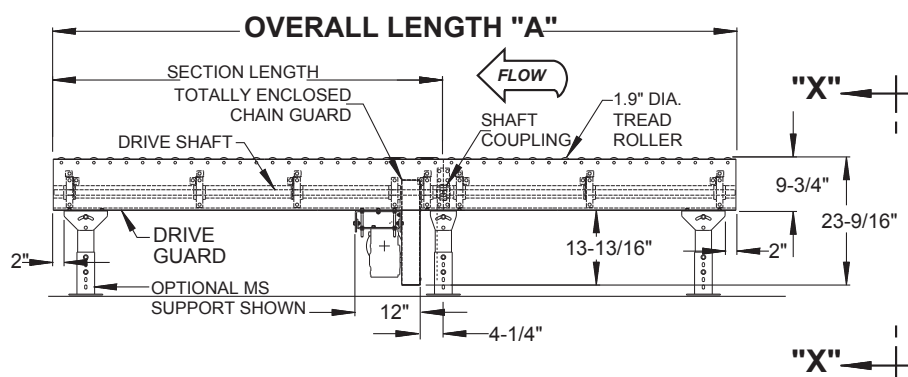
- 12 Bed Widths
- Reversible
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

Size To Order	Between Rail Width	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Length "A"	Overall Frame Width	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
5'	Weights (lbs.) Based on 3" Roller Centers	229	236	249	259	272	284	293	307	329	341	364	376
10'		371	384	409	426	450	472	488	514	553	576	618	639
15'		513	533	569	594	629	660	684	721	778	811	872	902
20'		655	682	729	761	808	848	880	928	1003	1046	1126	1166
25'		797	830	889	929	987	1036	1076	1135	1228	1281	1380	1429
30'		939	979	1049	1096	1166	1224	1271	1342	1453	1517	1634	1692
35'		1082	1128	1209	1264	1344	1413	1467	1549	1678	1752	1888	1956
40'		1224	1276	1369	1431	1523	1601	1663	1756	1903	1987	2142	2219
45'		1366	1425	1529	1599	1702	1789	1859	1963	2127	2222	2396	2483
50'		1508	1574	1689	1767	1881	1977	2054	2170	2352	2458	2650	2746
55'		1650	1723	1849	1934	2060	2165	2250	2377	2577	2693	2904	3009
60'		1793	1871	2009	2102	2239	2354	2446	2584	2802	2928	3158	3273
65'		1935	2020	2169	2269	2417	2542	2642	2791	3027	3163	3412	3536
70'		2077	2169	2329	2437	2596	2730	2837	2998	3252	3399	3666	3800
75'		2219	2317	2489	2604	2775	2918	3033	3205	3477	3634	3920	4063
80'		2361	2466	2649	2772	2954	3106	3229	3412	3702	3869	4174	4326
85'		2503	2615	2809	2939	3133	3294	3425	3619	3926	4104	4428	4590
90'		2646	2764	2969	3107	3311	3483	3621	3826	4151	4340	4682	4853
95'		2788	2912	3129	3274	3490	3671	3816	4033	4376	4575	4936	5117
100'		2930	3061	3289	3442	3669	3859	4012	4240	4601	4810	5190	5380

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



190-NSP

Standard Specifications

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. Mounted in 9 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with splice plates.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and insure correct product tracking. Supplied to section adjoining drive and every other section, 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

DRIVE – Mounted underneath, placed near center of conveyor. Note: On conveyors less than 24 in. OAW motor extends beyond frame. Chain guard located on left-hand side.

DRIVE SHAFT – 1 in. dia. steel shaft extends full length of conveyor. Chain coupling at bed joints. Located on left-hand side.

DRIVE SPOOLS – 2 in. dia. Delrin spool held in place on drive shaft with spool spacers.

DRIVE GUARD – Underside of drive shaft with spools and drive o-rings guarded full length of conveyor.

DRIVE O-RING – 3/16 in. dia. polyurethane o-ring from drive spool to tread rollers.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collar on drive shaft. Pre-lubricated ball bearings in tread rollers.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load per powered roller: 15 lbs. Note: Maximum load capacity will be less for products with soft or irregular bottoms. Total load NOT TO EXCEED capacity in chart.

FLOOR SUPPORTS – Supplied as optional equipment.

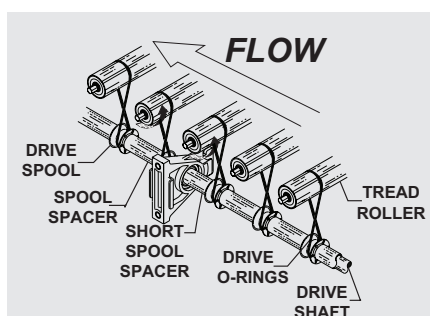
190-NSP

Load Capacity Chart @ 65 FPM									
HP	Overall Frame Width			Overall Frame Width			Overall Frame Width		
	16" to 22"			24" to 30"			34" to 42"		
	Total Load (lbs.)			Total Load (lbs.)			Total Load (lbs.)		
	Up To 60'	Up To 90'	Up To 120'	Up To 60'	Up To 90'	Up To 120'	Up To 60'	Up To 90'	Up To 120'
1/2	1550	580	—	1340	250	—	1020	—	—
1	*3600	4090	3110	*3600	3770	2680	*3600	3280	2040
2	—	—	*7200	—	—	*7200	—	—	*7200

*Limited to 15 lbs. per driven roller. Note: Capacity in chart based on 3 in. roller centers with all rollers powered.

Motor Selection Chart		
FPM	30-44	45-120
HP (Max.)	1	2

If the required horsepower exceeds the maximum horsepower shown in the chart, more than one drive is required.



- 1) Powered drive shaft (coupled at bed joints) is bearing supported on frame.
- 2) Drive o-ring transmits power to tread rollers from drive shaft.
- 3) Drive spool (held in place by spool spacers) and groove in tread roller keep drive o-ring in position.
- 4) If back pressure (accumulation) is applied to tread roller, drive spool will slip on drive shaft, stopping power to tread roller.

190-NSP

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 30 to 120 FPM. Over 120 FPM timing belt drive recommended. Capacity affected with speed change.

SIDE MOUNTED DRIVE – with Hytrol Reducer.

SIDE MOUNTED DRIVE – with Gearmotor.

O-RING DRIVE CHAIN – With sealed in lubricant (recommended for applications that do not permit regular lubrication).

LOW ELEVATION DRIVE – Gearmotor mounted inside of conveyor. Minimum elevation 11 1/4 in.

POSITIVE DRIVE – Spools are keyed to drive shaft in positive drive areas.

CROSSOVER – Separate section relocates drive shaft from one side of conveyor to the other. Minimum elevation: 12 3/8 in.

ONE DIRECTION O-RING TRANSFER – See Conveyor Accessories.

REVERSING O-RING TRANSFER – See Accessories section.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel, or type A & B angle. Note: If product comes in contact with guard rails, product flow will be affected. Fixed channel overlapping, one direction. Fixed channel non-overlapping, reversing.

PACKAGE STOPS – Blade, roller, or pin type stops available, contact factory.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGERS – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

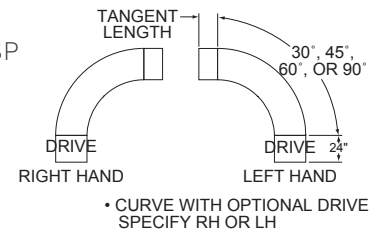
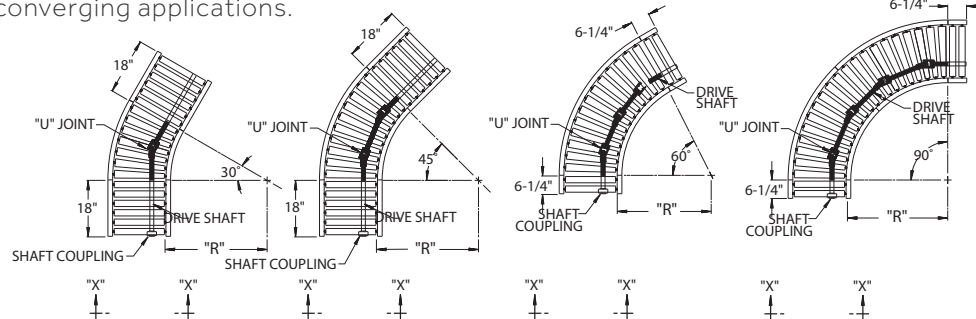
MOTORS – Energy efficient, single phase, brakemotor, other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing or reversible magnetic starters and push-button stations. AC variable frequency drive.

190-NSPC

The 190 Spool Curves and Spurs are designed to be slave-driven from the 190-NSP conveyor. Curves are used where turns in the conveyor line are necessary. Spurs are used in diverging and converging applications.

- 12 Bed Widths
- Slave-Driven from Model 190-NSP
- Adjustable MS-Type Floor Supports Available



Note: Dark shaft indicates positive drive spools.

Between Rail Width	Overall Frame Width	"R"	Total Number of Rollers*				Weights (lbs.)			
			90°	60°	45°	30°	90°	60°	45°	30°
13"	16"	24"	16T/4S	10T/4S	8T/12S	5T/12S	179	144	157	132
15"	18"	32 1/2"	20T/4S	12T/4S	10T/12S	6T/12S	222	184	183	151
17"	20"						235	197	192	158
19"	22"						248	209	202	165
21"	24"						259	224	211	173
23"	26"						281	233	222	181
25"	28"						285	246	231	189
27"	30"						299	258	241	199
31"	34"						437	338	313	247
33"	36"	48"	28T/4S	20T/4S	14T/12S	10T/12S	452	353	326	259
37"	40"						484	380	349	271
39"	42"						503	395	361	285

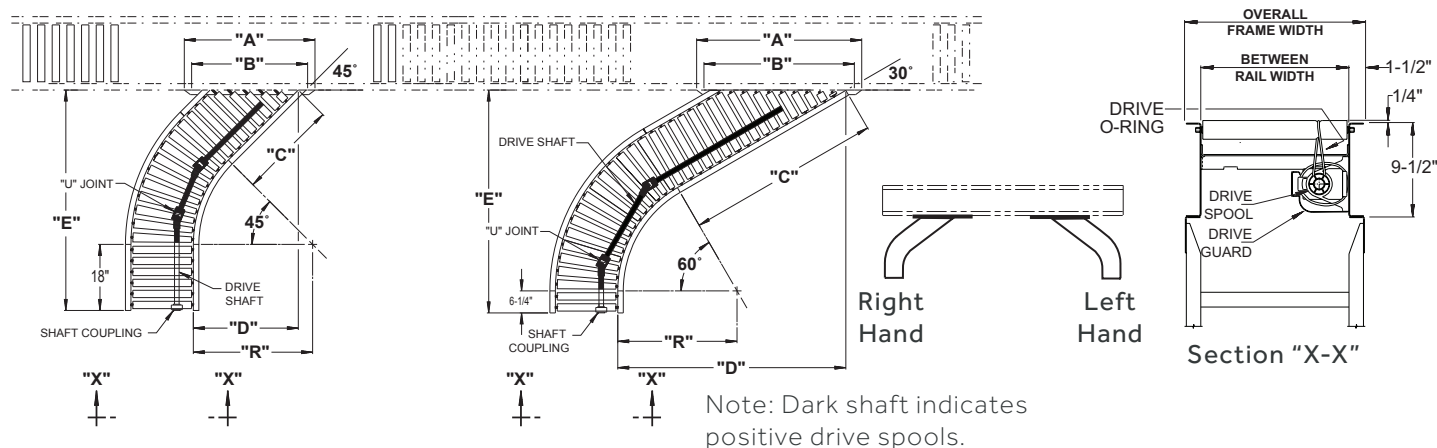
* T=Tapered S=Straight | All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

190-NSPS

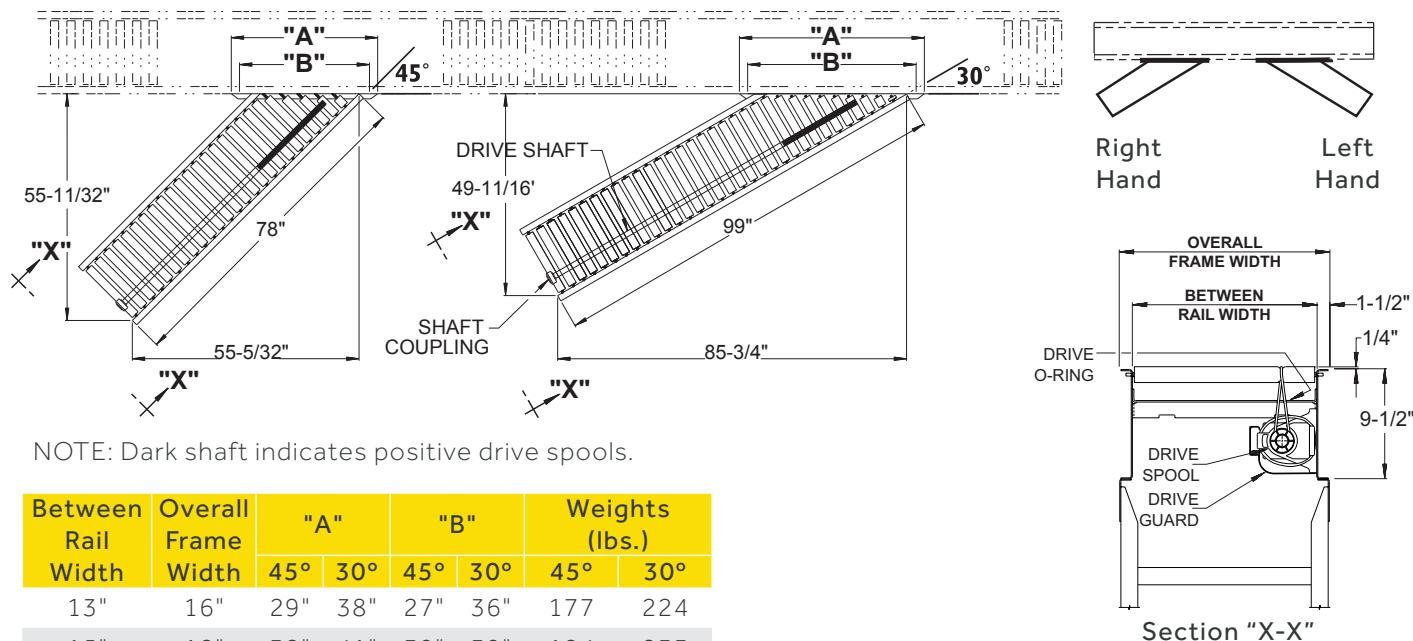
Between Rail Width	Overall Frame Width	"R"	"A"		"B"		"C"		"D"		"E"		Number of Rollers*		Weights (lbs.)	
			45°	30°	45°	30°	45°	30°	45°	30°	45°	30°	45°	30°	45°	30°
13"	16"	24"	29"	38"	27"	36"	21"	30"	21 7/8"	38"	50"	42 1/4"	8T/12S	10T/11S	173	176
15"	18"	32 1/2"	32"	41"	30"	39"	36"	54"	35"	63"	66 5/8"	61 5/8"	10T/17S	12T/19S	230	263
17"	20"		35"	47"	33"	45"									240	274
19"	22"		38"	50"	36"	48"									250	283
21"	24"		41"	53"	39"	51"									259	293
23"	26"		44"	56"	42"	54"									268	303
25"	28"		47"	62"	45"	60"									280	316
27"	30"		50"	65"	48"	63"									288	325
31"	34"		56"	74"	54"	72"									410	499
33"	36"	48"	59"	77"	57"	75"	48"	75"	48"	89"	86"	85 1/2"	14T/21S	20T/26S	422	513
37"	40"		65"	86"	63"	84"									446	540
39"	42"		68"	89"	66"	87"									457	553

* T=Tapered S=Straight | All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

190-NSPS



190-NSPSS



Between Rail Width	Overall Frame Width	"A"		"B"		Weights (lbs.)	
		45°	30°	45°	30°	45°	30°
13"	16"	29"	38"	27"	36"	177	224
15"	18"	32"	41"	30"	39"	184	233
17"	20"	35"	47"	33"	45"	191	241
19"	22"	38"	50"	36"	48"	198	249
21"	24"	41"	53"	39"	51"	204	256
23"	26"	44"	56"	42"	54"	210	262
25"	28"	47"	62"	45"	60"	219	272
27"	30"	50"	65"	48"	63"	225	278
31"	34"	56"	74"	54"	72"	237	290
33"	36"	59"	77"	57"	75"	242	296
37"	40"	65"	86"	63"	84"	253	306
39"	42"	68"	89"	66"	87"	256	310

All weights in catalog are conveyor weights only.
Accessories, crating, etc., are not included.

Load Capacity Chart					
Overall Frame Width	190-NSPC Capacity Per Curve (lbs.)	190-NSPS Capacity Per Spur (lbs.)		190-NSPSS Capacity Per St. Spur (lbs.)	
		45°	30°	45°	30°
16"	240	300	285		
18" to 30"	300	405	435	375	480
34" to 42"	450	540	720		

190-NSPC, 190-NSPS, & 190-NSPSS

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized and 1.9 in. dia. roller x 16 ga. galvanized tube. Mounted in 9 1/2 in. x 12 ga. powder-painted formed steel channel frame.

SLAVE-DRIVEN – Curves and spurs are slave-driven from drive shaft of model 190-NSP conveyor. Shafts are coupled by chain coupling at bed joints.

DRIVE SHAFT – 1 in. dia. steel shaft extends full length of conveyor, coupled with universal joints (U joints) at necessary intervals.

DRIVE SPOOLS – 2 in. dia. Delrin spool held in place on drive shaft with spool spacers.

DRIVE GUARD – Underside of drive shaft with spools and drive o-rings guarded full length of conveyor.

DRIVE O-RING – 3/16 in. dia. polyurethane o-ring from drive spool to tread roller.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collar on drive shaft. Pre-lubricated ball bearings in tread rollers.

SPLICE PLATES – Standard for connecting to 190-NSP.

CAPACITY – See Load Capacity Chart.

FLOOR SUPPORTS – Supplied as optional equipment.

190-NSPC, 190-NSPS, & 190-NSPSS

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 30 to 120 FPM. Over 120 FPM timing belt drive recommended. Capacity affected with speed change.

DRIVE – 24 in. long drive section replaces standard 6 1/4 in. or 18 in. tangent on end of 190-NSPC or 190-NSPS. No change on 190-NSPSS. Specify RH or LH.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel or type A or B angle. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGERS – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

OPTIONAL TANGENTS – Available in 3 in. increments up thru 48 in. long.

190-NSPEZ

Accumulating Live Roller Conveyor

The model 190-NSPEZ is a horizontal lineshaft driven conveyor, designed for zero-pressure accumulation of product. Each zone features positive braking of each roller in the zone during accumulation. Product may be released in singulation or slug fashion.

- EZLogic® Accumulation System
- Singulation, Slug or Cascaded Slug Operation
- Dynamic Zone Allocation
- Positive Brake on All Rollers
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

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SIZE TO ORDER Overall Length "A"	Between Rail Width	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
	Overall Frame Width	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
6'	Weights (lbs.) Based on 3" Roller Centers	279	286	301	313	329	342	352	370	394	409	436	449
10'		406	419	443	461	486	506	523	549	588	611	653	674
16'		598	618	656	683	722	753	779	819	879	914	980	1011
20'		725	751	798	831	879	917	950	998	1073	1116	1197	1236
26'		917	950	1011	1053	1115	1164	1206	1268	1364	1419	1524	1573
30'		1044	1083	1153	1201	1272	1328	1377	1447	1558	1621	1741	1798
36'		1236	1282	1366	1423	1508	1575	1633	1717	1849	1924	2068	2135
40'		1363	1415	1508	1571	1665	1739	1804	1896	2043	2126	2285	2360
46'		1555	1614	1721	1793	1901	1986	2060	2166	2334	2429	2612	2697
50'		1682	1747	1863	1941	2058	2150	2231	2345	2528	2631	2829	2922
56'		1874	1946	2076	2163	2294	2397	2487	2615	2819	2934	3156	3259
60'		2001	2079	2218	2311	2451	2561	2658	2794	3013	3136	3373	3484
66'		2193	2278	2431	2533	2687	2808	2914	3064	3304	3439	3700	3821
70'		2320	2411	2573	2681	2844	2972	3085	3243	3498	3641	3917	4046
76'		2511	2610	2786	2903	3080	3219	3341	3512	3789	3944	4243	4383
80'		2639	2743	2928	3051	3237	3383	3512	3692	3983	4146	4461	4608
86'		2830	2942	3141	3273	3473	3630	3768	3961	4274	4449	4787	4945
90'		2958	3075	3283	3421	3630	3794	3939	4141	4468	4651	5005	5170

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Note: Bed sections available in the following multiples:

12" Zones 2', 3', 4', 5', 6', 7', 8', 9', and 10'

18" Zones 3', 4 1/2', 6', 7 1/2', and 9'

30" Zones 2 1/2', 5', 7 1/2', and 10'

24" Zones* 2', 4', 6', 8', and 10'

36" Zones 3', 6', and 9'

*Overall lengths in chart are for 24" zones.

Overall length must be divisible by zone length

190-NSPEZ

HP/Load Capacity Chart @ 65 FPM

Conveyor Length Overall	3" Centers	
	HP	Total Load (lbs.)*
10'	1/2	600
20'		1200
30'		1800
40'	1	2400
50'		3000
60'		3600
70'	2	4200
80'		4800
90'		5400

*Total load based on 15 lbs. per driven roller

Motor Selection Chart

FPM	30-44	45-90
HP (Max)	1	2

If the required horsepower exceeds the maximum horsepower shown in the chart, more than one drive is required

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds from 30 to 120 FPM. Note: HP and conveyor length affected by speed change.

SIDE MOUNTED DRIVE – With Hytrol reducer.

SIDE MOUNTED DRIVE – With gearmotor.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

LOW ELEVATION DRIVE – Gearmotor mounted inside of conveyor. Minimum elevation: 11 1/4 in. (retro) or 13 1/4 in. (diffuse).

ONE DIRECTION O-RING TRANSFER – See Accessory section.

REVERSING O-RING TRANSFER – See Accessory section.

PRESSURE SWITCH – Installed in air line after regulator unit. Kills conveyor drive when air pressure drops below minimum working requirements. Requires restart controller (not supplied).

GUARD RAILS – Adjustable Universal Channel Guard Rail. Note: If product comes in contact with guard rails, product flow will be affected. Fixed channel overlapping-one direction.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

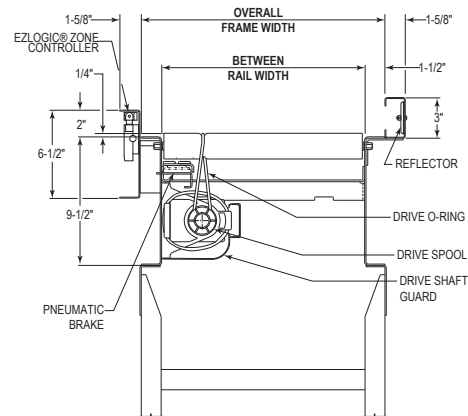
CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, and other characteristics. 2 HP maximum.

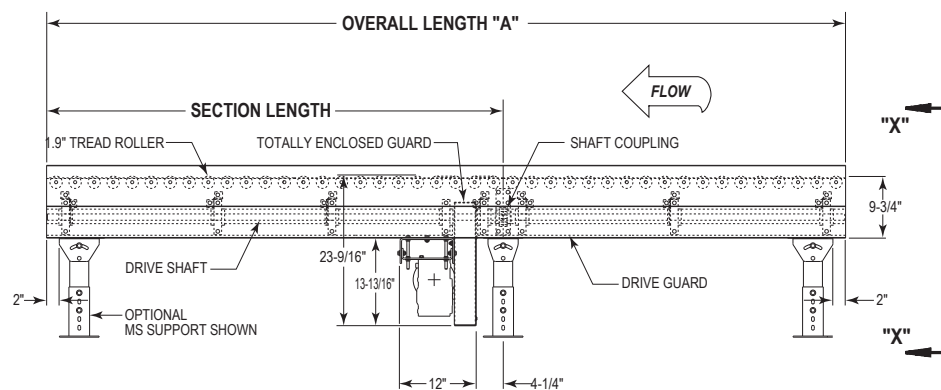
ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

EZLOGIC® – See EZLogic® Components Page.

190-NSPEZ



SECTION "X-X"



190-NSPEZ

Standard Specifications

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. Mounted in 9 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with splice plates.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure tracking. One supplied in first 50 ft. of bed section lengths and one per 50 ft. of bed section length thereafter. Supplied in approximate center of lengths.

DRIVE – Mounted underneath, placed near center of conveyor. Note: On conveyors less than 26 in. OAW, motor extends beyond frame. Chain guard located on left hand side.

DRIVE SHAFT – 1 in. dia. steel shaft extends full length of conveyor. Chain coupling at bed joints. Located on left hand side.

DRIVE SPOOLS – 2 in. dia. Delrin spool held in place on drive shaft with spool spacers.

DRIVE GUARD – Underside of drive shaft with spools and drive o-rings guarded full length of conveyor.

DRIVE O-RING – 3/16 in. dia. polyurethane o-ring from drive spool to tread rollers.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collar on drive shaft. Pre-lubricated ball bearings in tread rollers.

ACCUMULATION ZONES – 12, 18, 24, 30, and 36 in. long air controlled. Section lengths change with zone lengths. See note on previous page. Note: 51 or more zones will require an additional IOP, isolation cable, and power supply T cable.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones (25 each side of IOP). Requires 120VAC or 230VAC single phase input.

AIR REQUIREMENTS – Recommended working pressure 35 PSI. Free air consumption at 35 PSI; .002 cu. ft. per sensor actuation.

FILTER/REGULATOR – Supplied for main air supply line 3/8 in. NPT port.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load 15 lbs. per drive roller.

FLOOR SUPPORTS – Supplied as optional equipment.

190-NSPEZC

Accumulating Live Roller Curve Conveyor

The model 190-NSPEZC is a curved roller conveyor designed to be driven from the model 190-NSPEZ. It is used where turns in the conveyor line are necessary.

- EZLogic® Accumulation System
- Singulation, Slug, or Cascaded Slug Operation
- Dynamic Zone Allocation
- Positive Brake on All Rollers
- Adjustable MS-Type Floor Supports Available

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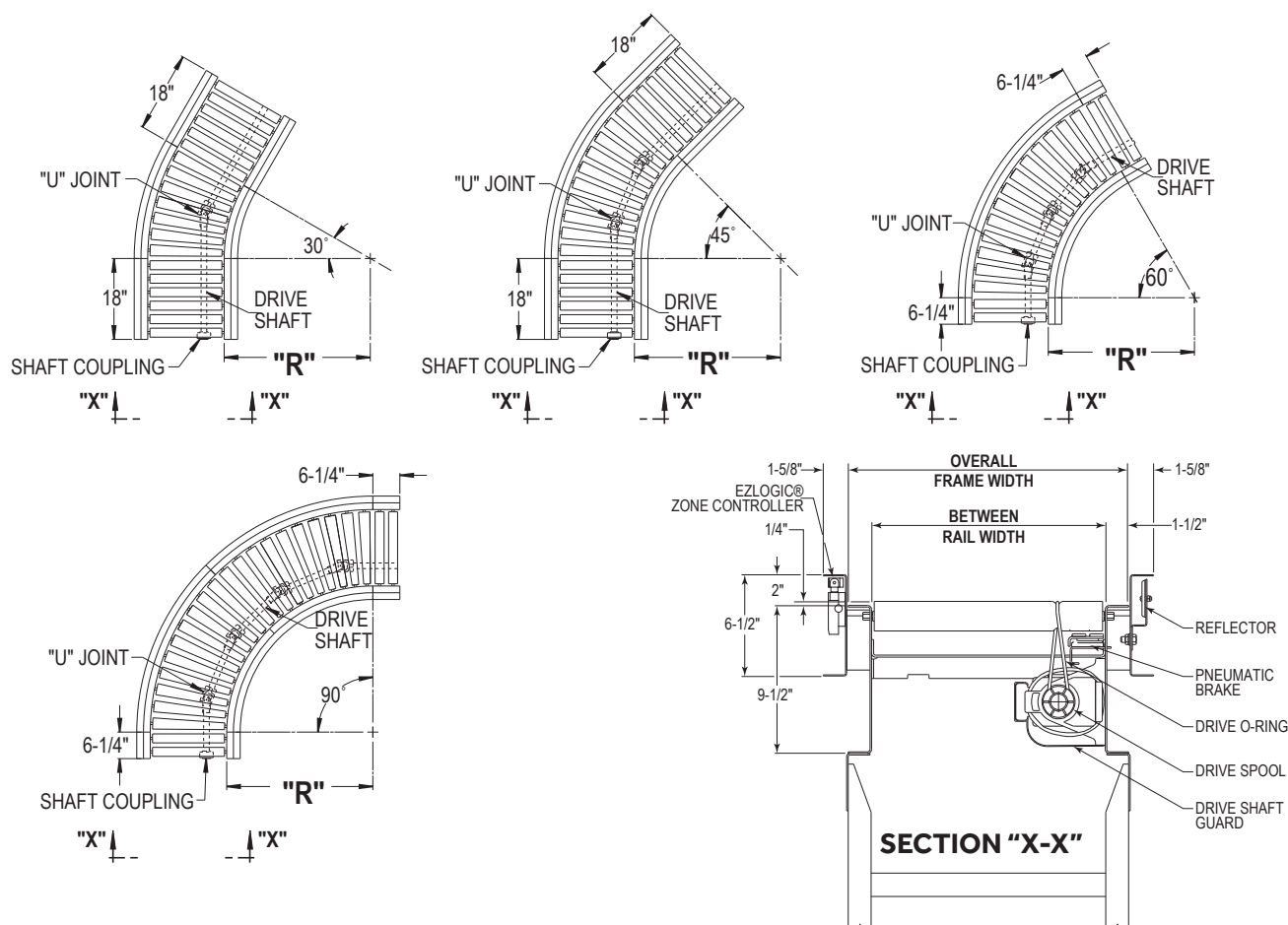
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Between Rail Width	Overall Frame Width	"R"	Total Number of Rollers*				Weights (lbs.)			
			90°	60°	45°	30°	90°	60°	45°	30°
13"	16"	24"	16T/4S	10T/4S	8T/12S	5T/12S	202	167	180	152
15"	18"						251	210	209	173
17"	20"						264	223	218	180
19"	22"						278	236	229	187
21"	24"						290	251	238	196
23"	26"	32 1/2"	20T/4S	12T/4S	10T/12S	6T/12S	312	260	249	204
25"	28"						317	273	258	212
27"	30"						332	285	268	222
31"	34"						480	374	346	274
33"	36"						495	386	359	286
37"	40"	48"	28T/4S	20T/4S	14T/12S	10T/12S	529	414	383	299
39"	42"						548	429	395	312

*T = TAPERED

S = STRAIGHT

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



190-NSPEZC

Standard Specifications

BED – Roller bed with 2 1/2 in. dia. tapered to 1 11/16 in. dia. x 14 ga. galvanized and 1.9 in. dia. roller x 16 ga. galvanized tube. Mounted in 9 1/2 in. x 12 ga. powder-painted formed steel channel frame.

SLAVE-DRIVEN – Curves and spurs are slave-driven from drive shaft of model 190-NSPEZ conveyor. Shafts are coupled by chain coupling at bed joints.

DRIVE SHAFT – 1 in. dia. steel shaft extends full length of conveyor, coupled with universal joints (U joints) at necessary intervals.

DRIVE SPOOLS – 2 in. dia. Delrin spool held in place on drive shaft with spool spacers.

DRIVE GUARD – Underside of drive shaft with spools and drive o-rings guarded full length of conveyor.

DRIVE O-RING – 3/16 in. dia. polyurethane o-ring from drive spool to tread roller.

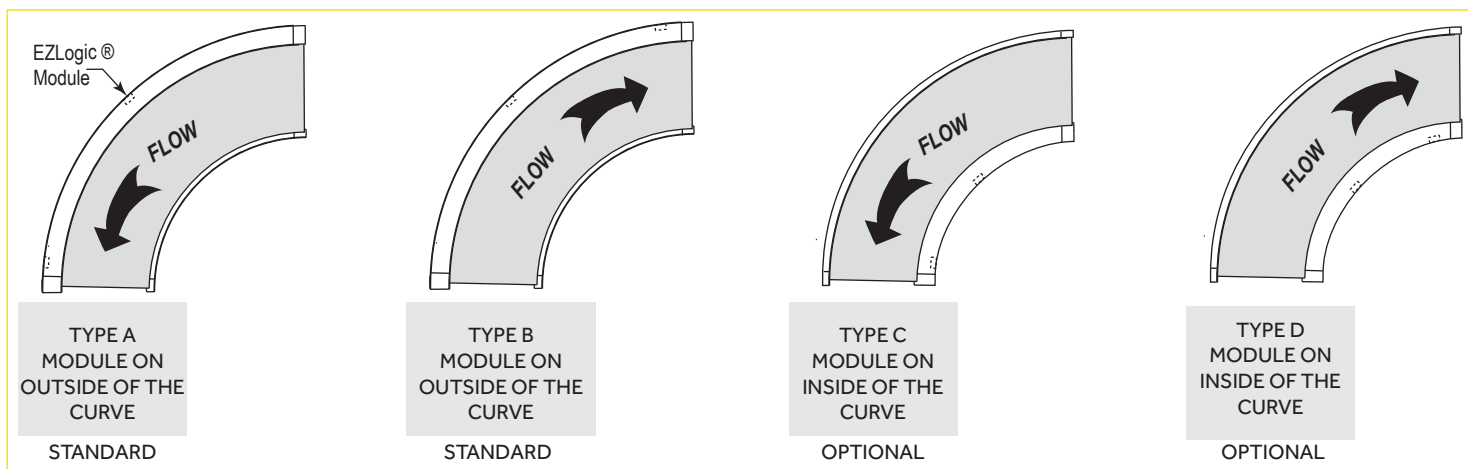
BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings with eccentric lock collar on drive shaft. Pre-lubricated ball bearings in tread rollers.

ACCUMULATION ZONES – 24 in. long air controlled. 2 per curve.

SPLICE ANGLE – Standard for connecting to 190-NSPEZ or 190-NSP.

CAPACITY – Maximum load: See Capacity Chart below.

FLOOR SUPPORTS – Supplied as optional equipment.



Load Capacity Chart
190-NSPEZC

Overall Frame Width	Capacity Per Curve (lbs.)
16"	150
18" to 30"	200
34" to 42"	300

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

GUARD RAILS – Adjustable Universal Channel Guard Rail, fixed channel or type A or B angle. Note: If product comes in contact with guard rails, product flow will be affected.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces supplied.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated rods fully threaded. Other lengths and galvanized rods available.

EZLOGIC® – See EZLogic® Components Page.

ABEZ

Accumulating Live Roller Conveyor

The model ABEZ is a horizontal belt-driven live roller conveyor, designed for applications that require accumulation of products without a build-up of line pressure. Product may be released in singulation or slug fashion.

- EZLogic® Accumulation System
- Singulation, Slug, or Cascaded Slug Operation
- Dynamic Zone Allocation
- 4 Brake Rollers in Each Zone
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

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Between Rail Width	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
Overall Frame Width	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
Base Weight	670	693	716	739	762	785	808	854	877	923	946
Weight Per Foot (lbs.)	31	33	35	37	39	41	43	47	49	53	55

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Note: Bed sections available in the following multiples:

12" Zones 1', 2', 3', 4', 5', 6', 7', 8', 9', and 10'

18" Zones 1 1/2', 3', 4 1/2', 6', 7 1/2', and 9'

24" Zones 2', 4', 6', 8', and 10'

30" Zones 2 1/2', 5', 7 1/2', and 10'

36" Zones 3', 6', and 9'

48" Zones 4' and 8'

60" Zones 5' and 10'

72" Zones 6'

84" Zones 7'

96" Zones 8'

120" Zones 10'

Overall length must be divisible by zone length.

Total Weight = 10 ft. base weight + Per foot weight x Extra length

EZLOGIC® ACCUMULATION SYSTEM

Hytrol's EZLogic®, or Electronic Zero-Pressure Logic Accumulation System, combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of a PLC or pneumatic logic components. The EZLogic® Accumulation System provides many features including:

Zero-Pressure Accumulation of Product

Zone Stop function is built in. Any zone may be transformed into a workstation by connecting a dry contact switching device to the auxiliary port of the EZLogic® Zone Controller. This feature is always used at the discharge end of the conveyor line, and may be used at any other location where a zone stop is required.

Selectable Modes of Operation

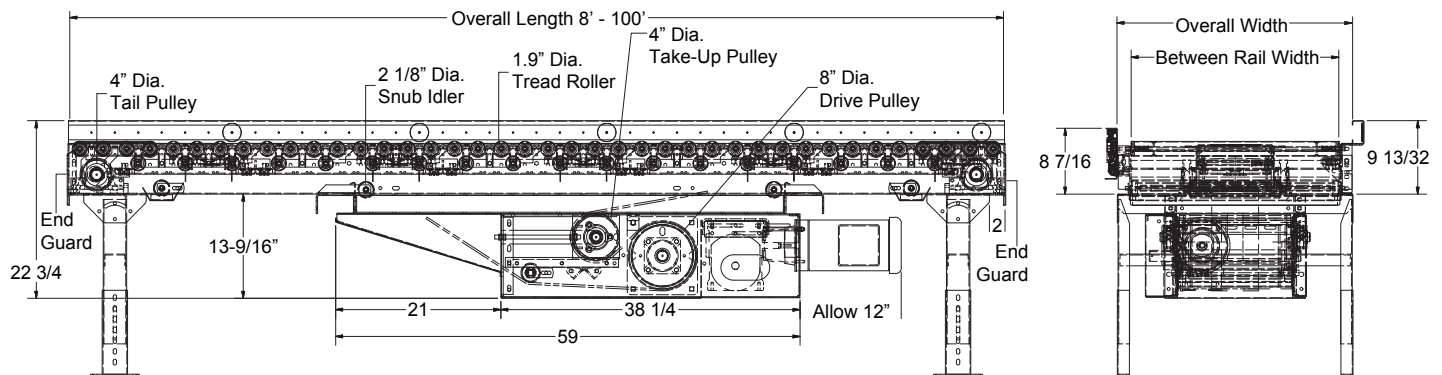
Singulation Mode – Product separates while traveling down the conveyor and when it is released from the conveyor, creating a zone-length gap between products.

Enhanced Slug Mode w/ Jam Protection – Product does not separate when traveling down the conveyor or when it is released from the conveyor. This allows higher product throughput at any given conveyor speed. Product will not separate on the conveyor even when accumulation has been activated at the discharge end.

Cascaded Slug Release – Rather than releasing all zones simultaneously, this function introduces a momentary delay in the release of each zone, from discharge upstream.

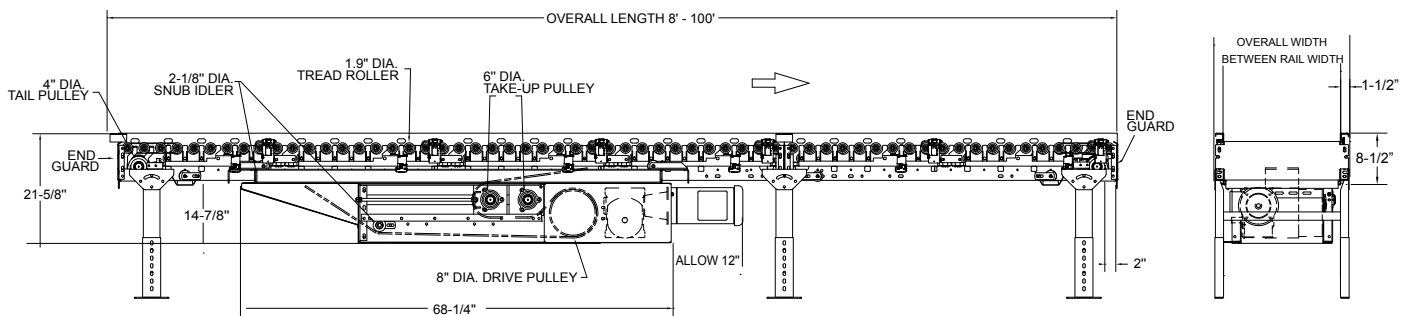
Dynamic Zone Allocation – Automatically adjusts the conveyor's zone length to accommodate the length of the product being conveyed. Improves conveyor efficiency and system flexibility.

ABEZ



Set High Shown With Standard Drive
(Located in First Bed Section 8' or Longer, From Infeed End)

SECTION "X-X"



Set Low Shown With High Performance Drive
(Located in First Bed Section 9' or Longer, From Infeed End)

SECTION "X-X"

Load Capacity Chart (Singulated) @ 65FPM

HP	Overall Frame Width 18" to 22"		Overall Frame Width 24" to 30"		Overall Frame Width 34" to 42"	
	Total Load (lbs./ft.)		Total Load (lbs./ft.)		Total Load (lbs./ft.)	
	Up to 50'	Up to 100'	Up to 50'	Up to 100'	Up to 50'	Up to 100'
1/2	50	10	40	2	25	N/A
1	75	50	75	40	75	25
2	75	75	75	75	75	75
3	75	75	75	75	75	75

High Performance Drive Load Capacity Chart
(Singulated) @ 65FPM

HP	Overall Frame Width 18" to 22"		Overall Frame Width 24" to 30"		Overall Frame Width 34" to 42"	
	Total Load (lbs./ft.)		Total Load (lbs./ft.)		Total Load (lbs./ft.)	
	Up to 200'	Up to 300'	Up to 200'	Up to 300'	Up to 200'	Up to 300'
1	10	N/A	1	N/A	N/A	N/A
2	66	35	56	25	42	10
3	75	55	75	45	73	30
5	75	N/A	75	N/A	75	N/A

Above load charts are based on singulated operational mode (50 percent max load flowing). If operated in cascade release mode, the length or load must be decreased appropriately. Example: For full slug: reduce load by 50 percent or reduce length by 50 percent. For cascade release: reduce length by approximately 40 percent or reduce load by approximately 40 percent. For loads over 75 lbs per ft, 140-SD belt is required.

ABEZ

Standard Specifications

BELT – 6 in. black TMPH90MF0XB.

BED – Roller bed with 1.9 in. dia. roller x 16 ga. galvanized tube spaced every 3 in. Mounted in 6 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with butt coupling.

CROSS BRACING – Rods with turnbuckles are fastened to underside of bed to provide proper alignment of bed rollers and ensure correct product tracking. Supplied to section adjoining drive and every other section, 20 ft. bed lengths and over. Supplied on bed lengths 9 ft. and over.

CENTER DRIVE – Can be placed in any section of conveyor 7 ft. 6 in. or longer. Center drive is 18 in. OAW on all widths.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings.

TAIL PULLEY – 4 in. dia. with 1 7/16 in. dia. shaft at bearings; machine crowned.

TAKE-UP PULLEY – 6 in. dia. with 1 3/16 in. dia. shaft at bearings; machine crowned.

SNUB IDLER – Adjustable 2 1/8 in. dia. pre-lubricated ball bearings.

RETURN IDLER – Adjustable 1.9 in. dia. pre-lubricated ball bearings.

TAKE-UP – Take-ups in center drive. Provides 16 in. of belt take-up.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulleys. Pre-lubricated ball bearings in tread and pressure rollers.

ACCUMULATION ZONES – 12, 18, 24, 30, and 36 in. long; air controlled. Includes 4 brake rollers to stop package. Section lengths change with zone lengths. Note: 51 or more zones will require an additional IOP, isolation cable, and power supply T cable.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones (25 each side of IOP). Requires 120VAC or 230VAC single phase input.

AIR REQUIREMENTS – Recommended working pressure 35 PSI. Free air consumption at 35 PSI .003 cu. ft. per sensor actuation.

FILTER/REGULATOR – One filter/regulator is supplied for the main air supply line. 3/8 in. NPT port. Main air from compressor should be supplied to each filter/regulator.

SPEED REDUCTION – Sealed worm gear C-face speed reducer. No. 50 roller chain to drive shaft.

MOTOR – 1/2 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 65 FPM.

CAPACITY – Maximum load per linear foot of conveyor 75 lbs. Total load NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

Optional Equipment

SET LOW CHANNEL – Added additional flanges to make the installation and removal of the optional cover simple.

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

CONVEYING SPEED – Other constant and variable speeds. 17 FPM to 400 FPM. V-belt drive supplied under 17 FPM. Note: Capacity and accumulation feature affected with speed change.

CENTER DRIVE WITH EXTENDED TAKE UP – Provides 36 in. of additional belt take up.

HIGH PERFORMANCE UNDERSIDE CENTER DRIVE – Required on units over 100 ft long. Maximum length: 200 ft. (used with 2 HP, 3 HP, or 5 HP motor and reducers).

SIDE MOUNTED LOW ELEVATION CENTER DRIVE – Motor reducer unit mounted to side of conveyor. Minimum low elevation: 16 in. with old style and 18 in. with new style.

PRESSURE SWITCH – Installed in air line after regulator unit. Kills conveyor drive when air pressure drops below minimum working requirements. Requires restart controller (not supplied).

V-BELT DRIVE – V-belt supplied between motor and reducer. Allow 65 in.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

GUARD RAILS – Adjustable Universal Channel Guard Rail. See Accessory section. Note: If product comes into contact with guard rails, product flow will be affected. Fixed channel overlapping; one direction.

PACKAGE STOP – Angle and raised roller end stops.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

MOTOR – Energy efficient, single phase, and other characteristics. 2 HP maximum.

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

EZLOGIC® – See EZLogic® Components page.

NBEZ

Electromagnetic Accumulating Live Roller Conveyor

The model NBEZ is a horizontal narrow-belt-driven live roller conveyor, designed for applications that require accumulation of products without a build-up of line pressure while providing high throughput and density. It utilizes 24VDC electromagnetic actuation to engage the pressure carriage to drive the rollers.

- EZLogic® Accumulation System
- All-Electric Accumulation
- Dense Product Accumulation
- Endless Splice Belt
- 1.9 in. Diameter Rollers with ABEC-1 Bearings
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

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[TECHNICAL MANUAL](#)

Between Rail Width	15"	21"	27"	33"	39"
Overall Frame Width	18"	24"	30"	36"	42"
Base Weight	574	634	694	754	814
Weight Per Foot (lbs.)	18	24	30	36	42

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Bed sections available in the following multiples:

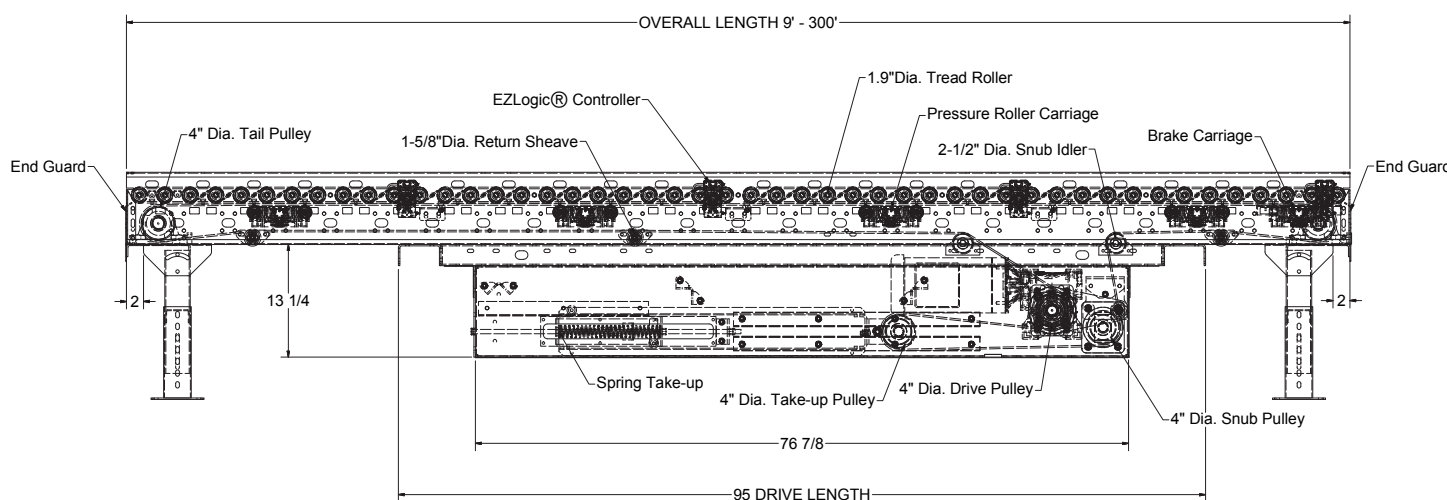
24" Zones 2', 4', 6', 8', 10', and 12'

36" Zones 3', 6', 9', and 12'

Overall length must be divisible by zone length.

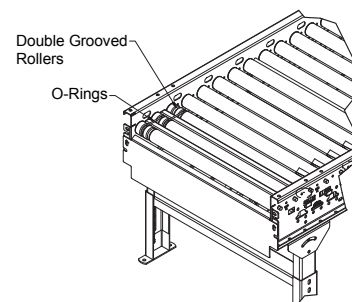
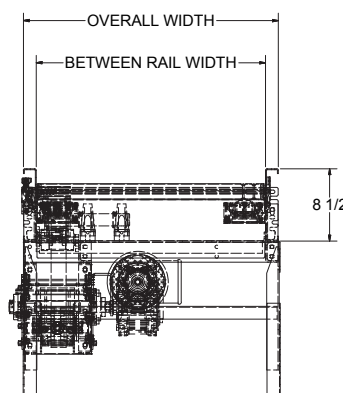
Total Weight - 1 ft. base weight + Per foot weight x Extra length

Base Weight - 12 ft. section w/drive and tails



SET LOW SHOWN WITH STANDARD DRIVE AND STANDARD O-RINGS SLAVED ZONES.

(Located in the First Bed Section 9' or Longer from Infeed End)
Minimum Elevation: 20" Top of roller



Standard Specifications

BED – Roller bed with 1.9 in. dia. rollers x 16 ga. galvanized tube with ABEC-1 bearings spaced every 3 in. mounted in 8 1/2 in x 12 ga. powder-painted formed steel channel frame, bolted together with butt couplings.

BELT – 45 mm wide polyurethane thermoplastic with aramid cords and endless splice.

CENTER DRIVE – Can be placed on any conveyor section 9ft. or longer; spring take-up provides 32 in. of belt take-up.

GEARMOTOR – Shaft-mounted hollow bore.

BRAKE – Full zone at discharge.

SPEED RANGE – 51 to 275 FPM.

SET LOW CHANNEL – 8 1/2 in. deep C channel.

EZLOGIC® ZONE CONTROLLER – Located in each zone. (retro-reflective). NEMA 1,2, IP 62. UL approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system. Contains slots for 4 input/output boards. Operates up to (18) 24 in. zones or (13) 36 in. zones. Additional power supplies and power isolation cables needed for longer lengths. Requires 120VAC or 230VAC single phase input.

ACCUMULATION ZONES – 24 and 36 in. long electrically actuated. Note: Over 12 zones require an additional IOP, isolation cable, and power supply T cable.

CAPACITY – Maximum load per zone 75 lbs.

PRESSURE FRAME CARRIAGE – Located on 12 in. centers and contains two Delrin rollers to drive four tread rollers when electrically actuated.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BRAKES – Four-roller electromagnetic brakes located at the discharge of zone; can be placed in any or all zones.

GUARD RAILS – Adjustable universal channel guard rail. See Accessory section. Note: If product comes into contact with guard rails, product flow will be affected. Fixed channel overlapping; one direction.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

EZLOGIC® – See EZLogic® Components page.

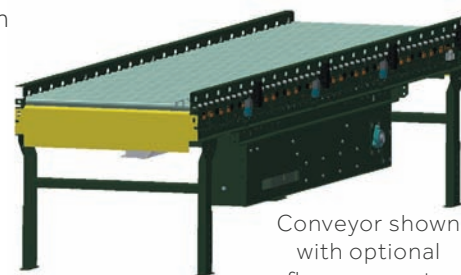
BELT SPLICE KIT – Includes press, finger cutter, and guide rail.

NBEZA

Accumulating Live Roller Conveyor

The model NBEZA is a horizontal narrow-belt-driven live roller conveyor, designed for applications that require accumulation of products without a build-up of line pressure while providing high throughput and density. It utilizes pneumatic actuation to engage the pressure carriage to drive the rollers.

- EZLogic® Accumulation System
- Pneumatic Actuation
- Endless Splice Belt
- Adjustable MS-Type Floor Supports Available



Conveyor shown with optional floor supports.

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Between Rail Width	15"	21"	27"	33"	39"
Overall Frame Width	18"	24"	30"	36"	42"
Base Weight (lbs.)	574	634	694	754	814
Weight Per Foot (lbs.)	18	24	30	36	42

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

Note: Bed sections available in the following multiples:

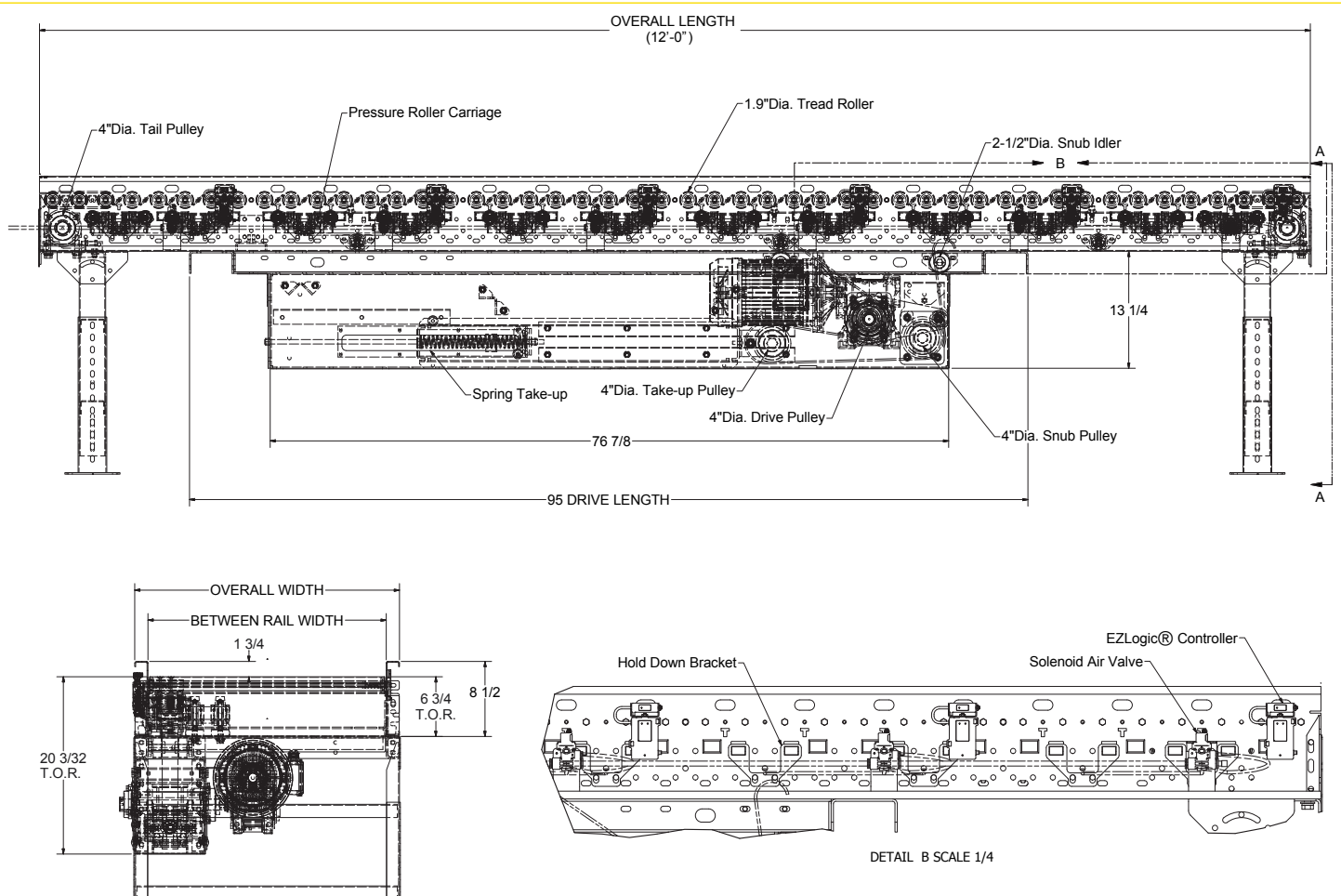
24" Zones 2', 4', 6', 8', 10', and 12'

36" Zones 3', 6', 9', and 12'

Overall length must be divisible by zone length.

Total Weight - 12 ft. base weight + Per foot weight x Extra length

Base Weight - 12 ft. section w/drive and tails



Standard Specifications

BED – Roller bed with 1.9 in. dia. rollers x 16 ga. galvanized tube with ABEC-1 bearings spaced every 3 in. Mounted in 8 1/2 in. x 12 ga. powder-painted formed steel channel frame bolted together with butt couplings.

BELT – 45 mm wide polyurethane thermoplastic with aramid cords.

CENTER DRIVE – Can be placed on any conveyor section 9 ft. or longer; spring take-up which provides 32 in. of belt take-up.

GEARMOTOR – Shaft-mounted hollow bore.

BRAKE – Full zone at discharge.

SPEED RANGE – 51 to 275 FPM

SET LOW CHANNEL – 8 1/2 in. deep C channel.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Operates up to 50 zones (25 each side of IOP). Requires 120VAC or 230VAC single phase input.

ACCUMULATION ZONES – 24 and 36 in. long pneumatically actuated. Note: Over zones require an additional IOP, isolation cable, and power supply T cable.

CAPACITY – Maximum load per zone 75 lbs.

PRESSURE FRAME CARRIAGE – Contains two Delrin rollers to provide positive drive to four tread rollers when actuated by air bag.

AIR REQUIREMENTS – Recommended working pressure 12 PSI.

FILTER/REGULATOR – One filter/regulator is supplied for the main air supply line (3/8 in. NPT port). Main air from compressor should be supplied to each filter/regulator.

Optional Equipment

FLOOR SUPPORTS – MS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor. Knee braces recommended above MS-6 support.

BRAKES – Four-roller air-operated brakes located at the discharge of zone and can be placed in any or all zones.

GUARD RAILS – Adjustable universal channel guard rail. See Accessory section. Note: If product comes into contact with guard rails, product flow will be affected. Fixed channel overlapping; one direction.

POLY-TIER SUPPORTS – 36 in. to 120 in. support heights in 6 in. increments. Knee braces required.

CEILING HANGER – 5/8 in. dia. x 8 ft. long unplated steel rods fully threaded. Other lengths and galvanized rods available.

ELECTRICAL MOTOR CONTROLS – Non-reversing magnetic starters and push-button stations. AC variable frequency drive.

EZLOGIC® – See EZLogic® Components page.

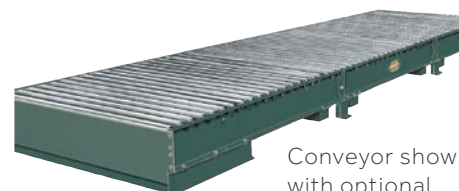
BELT SPLICE KIT – Includes press, finger cutter, and guide rail.

25-LREZ

Heavy-Duty Accumulating Live Roller Conveyor

The model 25-LREZ is a belt-driven live roller conveyor designed for use where zero-pressure accumulation, low elevation (12 in.), and close roller centers are required.

- EZLogic® Accumulation System
- Compact Drive
- Low Elevation
- Adjustable LRAS-Type Floor Supports Available



Conveyor shown with optional floor supports and diffuse EZLogic® Zone Controllers.

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Size to Order	Between Rail Width	39"	41"	43"	45"	47"	49"	51"	61"
Overall Length "A"	Overall Frame Width	42"	44"	46"	48"	50"	52"	54"	64"
10'	Weights (lbs.)	1261	1296	1331	1366	1400	1435	1470	1645
15'		1764	1815	1867	1918	1970	2021	2072	2329
20'		2267	2335	2403	2471	2538	2606	2674	3014
25'		2770	2854	2939	3023	3107	3192	3276	3698
30'		3272	3373	3474	3575	3675	3776	3877	4382
35'		3776	3893	4011	4128	4245	4363	4480	5067
40'		4279	4413	4547	4680	4814	4948	5082	5751
45'		4781	4931	5082	5232	5382	5533	5683	6435
50'		5284	5451	5618	5784	5951	6118	6285	7119

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included. Overall lengths in chart are for 60 in. zones. Other zone lengths will affect overall length.

**Accumulation Zone Lengths

3" Roller Centers 4" Roller Centers 6" Roller Centers

*30"		*30"
*36"	*32"	*36"
*42"	*40"	*42"
*48"	*48"	*48"
*54"	*56"	*54"
60"	60"	60"
66"	72"	66"
72"		72"

*Minimum infeed drive zone length is 60 in. with 3 in., 4 in., and 6 in. roller centers.

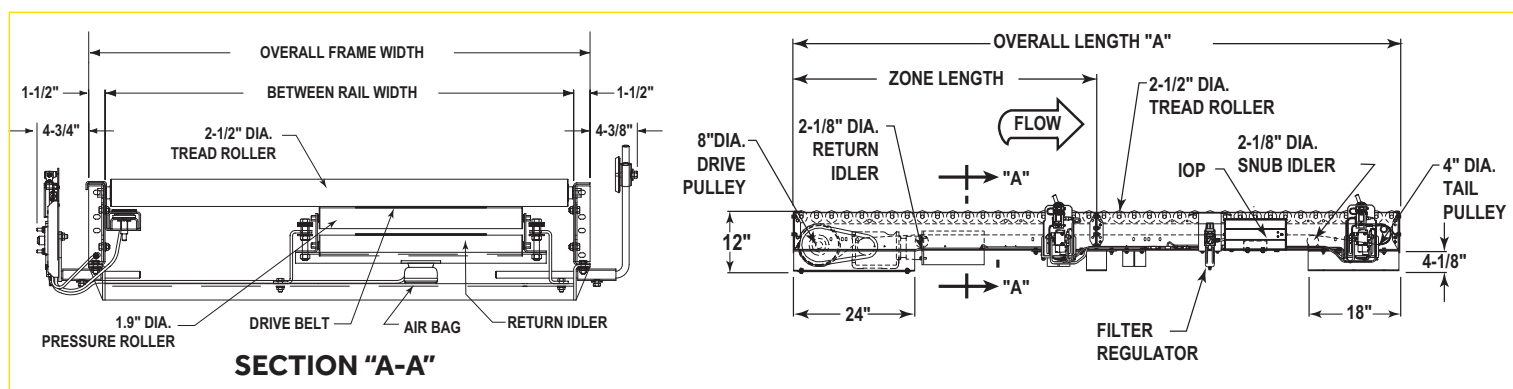
**Frame length and overall length change with zone length.

Load Capacity Chart (Accumulated) @ 30 FPM

Load Capacity Chart (Recommended, at 50°F/10°C)						
HP	Overall Frame Width 42" To 48"		Overall Frame Width 50" To 64"		Overall Frame Width 76" To 88"	
	Total Load (lbs.)		Total Load (lbs.)		Total Load (lbs.)	
	Up to 25'	Up to 50'	Up to 25'	Up to 50'	Up to 25'	Up to 50'

1	16500	12900	15400	10800	13700	7500
2	*20000	23000	*20000	20900	*20000	17600

*Limited to 4000 lbs. per accumulation zone.



25-LREZ

Standard Specifications

BELT – 14 in. black Ultimate 140 SD.

BED – Roller bed with 2 1/2 in. dia. x 11 ga. unplated tread rollers spaced every 3 in. and 1.9 in. dia. x 16 ga. unplated pressure rollers spaced every 6 in. Mounted in 7 1/2 in. x 10 ga. powder-painted formed steel channel frame, bolted together with butt coupling.

END DRIVE – Located on infeed end of conveyor.

DRIVE PULLEY – 8 in. dia. with 1 7/16 in. dia. shaft at bearings; machine crowned and fully lagged.

TAIL PULLEY – 4 in. dia. with 1 in. dia. shaft; machine crowned.

SNUB IDLER – Adjustable 2 5/8 in. dia. at drive pulley, 2 1/8 in. dia. at tail pulley. Pre-lubricated ball bearings.

RETURN IDLER – 2 1/8 in. dia. at drive end, all others 1.9 in. dia. unplated. Pre-lubricated ball bearings.

TAKE-UP – Take-up at tail pulley.

BEARINGS – Sealed, pre-lubricated, self-aligning ball bearings on drive and tail pulley. Sealed, pre-lubricated ball bearings in tread and pressure rollers.

ACCUMULATION ZONES – 3 in. roller centers, 30 in. to 72 in. on 3 in. increments. 4 in. roller centers, 32 in. to 72 in. on 4 in. increments. 6 in. roller centers, 30 in. to 72 in. on 6 in. increments. Minimum length of infeed zone drive is 60 in. Frame length changes with zone length.

Note: Operating 25-LREZ in slug mode is not recommended. Product footprint may affect drive capacity.

Optional Equipment

FLOOR SUPPORTS – LRAS Type floor supports are available with a wide range of adjustment. Specify top of belt or roller elevation. One support required at every bed joint and ends of conveyor. Holes in feet for lagging to floor.

CONVEYING SPEED – Other constant speeds to 50 FPM. Note: Capacity and accumulation feature affected with speed change.

UNDERSIDE TAKE-UP – Provides 12 in. of belt take-up. Minimum elevation: 12 in. (required on units 40 ft. or longer). Must be located in 4 ft. long intermediate section.

TREAD ROLLER BRAKE – Friction type brake stops tread rollers to prevent coasting of product in accumulation zone.

EZLOGIC® ZONE CONTROLLER – Located in each zone (retro-reflective). NEMA 1, 2, IP 62. UL Approved.

IOP – Provides 27VDC, 100 watt power for EZLogic® accumulation system; contains slots for 4 input/output boards. Requires 120VAC or 230VAC single phase input.

AIR REQUIREMENTS – Recommended working pressure 40 PSI. Free air consumption at 40 PSI, .028 cu. ft. per sensor actuation.

FILTER, REGULATOR – Supplied for main air supply line (3/8 in. NPT port).

SPEED REDUCTION – Sealed helical bevel C-face gear reducer. No. 60 roller chain to drive pulley.

MOTOR – 1 HP, 208/230/460/575V, 3 Ph. 60 Hz. Totally enclosed C-face.

CONVEYING SPEED – Constant 30 FPM.

CAPACITY – Maximum load per linear foot of conveyor: 1000 lbs. Maximum unit load 4000 lbs. Total load NOT TO EXCEED capacity in charts.

FLOOR SUPPORTS – Supplied as optional equipment.

O-RING DRIVE CHAIN – With sealed-in lubricant (recommended for applications that do not permit regular lubrication).

TREAD ROLLERS – 2 5/8 in. dia. x 7 ga. unplated steel, 11/16 in. hex spring loaded shaft.

MOTOR – Energy efficient, single phase, and other characteristics. 2 HP maximum.

ELECTRICAL CONTROLS – Non-reversing magnetic starter; push-button stations. AC variable frequency drive.

EZLOGIC® – See EZLogic® Components page.

EZLOGIC® COMPONENTS

EZLogic® is Hytrol's zero-pressure control software that combines the sensing accuracy of photo-electrics with discrete electronic logic control without the use of a PLC or pneumatic logic components. It provides the intelligence needed to accurately control the various functions of zero-pressure accumulation on a variety of conveyor models (EZ types).

ZONE CONTROLLERS

Retro-Reflective Type Zone Controller - 032.501

Zone controller including mounting base and unitized retro-reflective transducer.

Diffuse Type Zone Controller - 032.502

Zone controller including mounting base and unitized diffuse transducer with adjustable sensitivity (through programming).

Enhanced Retro-Reflective Zone Controller - 032.505

Same as standard, plus used for IOP communication and addressable remote access.

Enhanced Diffuse Zone Controller - 032.506

Same as standard, plus used for IOP communication and addressable remote access.

Remote Zone Controller - 032.504

Zone controller including mounting base. Connectorized for attaching any remote transducer.

Enhanced Remote Zone Controller - 032.507

Enhanced zone controller including mounting base. Connectorized for attaching any remote transducer. Same as standard, plus used for IOP communication and addressable remote access.



032.501



032.502

CORDSETS

Zone Controller Cordset (Zone-to-Zone Communication)

Available for the following zone lengths:

- 12" – 032.551
- 18" – 032.552
- 24" – 032.553
- 30" – 032.554
- 36" – 032.555
- 48" – 032.556
- 60" – 032.557
- 72" – 032.558



Cordset



032.550

Infeed Zone Terminator - 032.550

Terminates zone-to-zone communication at infeed zone.

Mounting Base - 032.517

Use to mount any zone controller.



032.517

IOP - 032.582

Provides 27VDC, 100 watt power for EZLogic® accumulation system

Requires 120 VAC or 230 VAC single phase input. Operates up to 50 zones (25 zones each side of IOP); contains slots for 4 input/output boards. Requires enhanced zone controllers to communicate with input/output boards.



032.582

EZLOGIC® COMPONENTS CONT'D

CORDSETS (CONTINUED)

IOP T Cable - 032.559

Required to deliver power and IOP communication from IOP to zone controllers. Maximum of 25 zones per each branch of T.



032.559

I/O Board – 032.583

Plugs into slot in IOP to provide two input/output connections. Requires enhanced controller to receive signal.



032.583

CONFIGURATION/DIAGNOSTIC COMPONENTS

Push Button Programmer - 032.535

Plugs into auxiliary port of any controller to configure certain features of controller. Required for customization of factory default settings.



032.535

Programming Kit for PC and PC Adaptor - K-01554

Used to connect PC USB port to auxiliary port of any controller. Includes Genesis™ configuration software. Used to configure all features of controller. Required for customization of factory default settings.



K-01554

AUXILIARY COMPONENTS

Auxiliary I/O Module - 032.532

Plugs into auxiliary port of any controller - used to provide photo eye output or to accept a voltage type input.



032.532

Bluetooth Module - 032.538

Plugs into auxiliary port of any controller. Used to allow the user to connect wirelessly to a controller and make changes to the configuration using the EZLogic OS mobile app.



032.563

Auxiliary Input Cable

Attaches to any zone controller. Used for zone stop input, wakeup eye input, or slug input. Available in 3 ft. and 10 ft. lengths.

3 ft. – 032.563 10 ft. – 032.564



032.531

Zone Actuation Module (Alternate Drive) - 032.531

Provides NPN, PNP, or dry contact output from zone controller.



032.591

Retro-Reflective Wake-up Eye - 032.591

Plugs into auxiliary port of any controller to send wake-up signal.



032.592

Diffuse Wake-up Eye - 032.592

Plugs into auxiliary port of any controller to send wake-up signal.

Retro-Reflectors

2.18" dia. – 032.218 3" dia. – 032.2185

Connector Covers

Upstream Connector Cover 032.010

Downstream Connector Cover 032.011

EZLOGIC® COMPONENTS CONT'D

CABLE COMPONENTS

Power Isolation Cable - 032.652

Required to isolate DC power when joining conveyors w/ separate IOPs utilizing no more than one set of I/O boards.

IOP Isolation Cable - 032.570

Required to isolate DC power and input/output signals when joining two conveyors with separate IOPs, both utilizing I/O boards.

Extension Cable (Zone-to-Zone Communication)

Available in 3 and 10 ft. lengths. Used to extend zone controller cable when necessary.

Standard Push-On 3 ft. 032.560

Standard Push-On 10 ft. 032.561



Push-On Type Cable

Nano Extension Cable

Used to extend auxiliary devices or remote transducer cable. Available in the following lengths:

1 ft. 032.565

2 ft. 032.566

3 ft. 032.567

6 ft. 032.568

Power Splitter - 032.659

Used to connect two conveyors located side by side to one IOP. Requires two power supply T cables
Maximum total of 50 zones.

EZLOGIC® COMPONENTS CONT'D

SPECIAL USE COMPONENTS

Diffuse Type Zone Controller - 032.503

Zone controller including mounting base and unitized diffuse transducer with adjustable sensitivity (through programming). 24 in. cable.



032.503

Remote Retro-Reflective Transducer - 032.511

Attaches to any remote zone controller and allows transducer to be mounted separate from controller.



032.511

Remote Diffuse Transducer - 032.512

Attaches to any remote zone controller and allows transducer to be mounted separate from controller.



032.512

Remote Diffuse Transducer (Narrow Beam) - 032.513

Has narrow beam for use with close roller centers. Attaches to any remote zone controller and allows transducer to be mounted separate from controller.



032.513

Remote Retro-Reflective Transducer (Dual with T Cable) - 032.514

For use in dual head applications. Attaches to any remote zone controller and allows addition of second remote transducer.



032.514

Remote Diffuse Transducer (Dual with T Cable) - 032.515

For use in dual-head applications. Attaches to any remote zone controller and allows addition of second remote transducer.

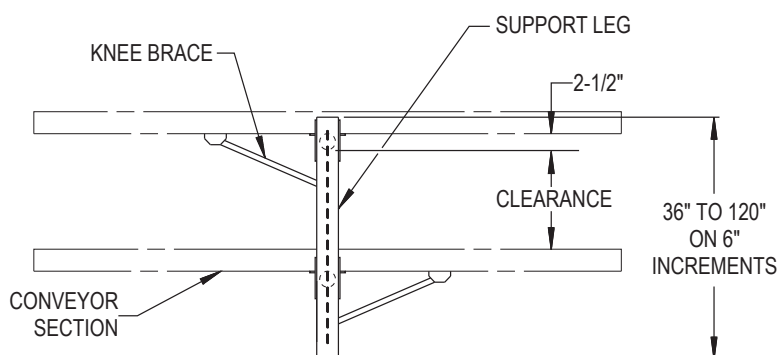
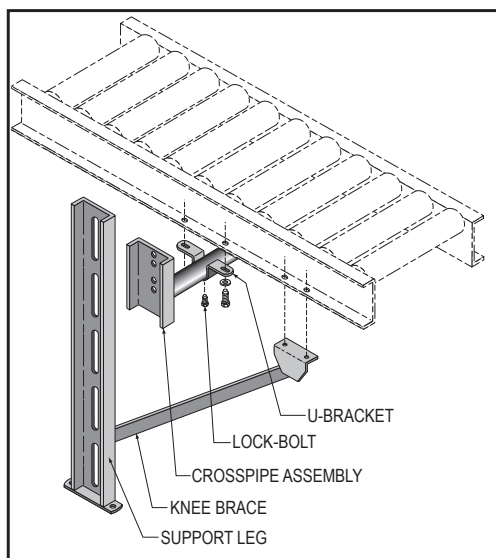
Remote Diffuse Transducer (Narrow Beam, Dual with T Cable) - 032.516

For use in dual-head applications. Has narrow beam for use with close roller centers. Attaches to any remote zone controller and allows addition of second remote transducer.

POLY-TIER SUPPORT

Poly-Tier Supports provide sturdy support for multi-level conveyor lines. Heights available from 36 in. to 120 in. in 6 in. increments. 1 1/2 in. I.D. (1.9 in O.D.) cross pipe assembly mounted to 1 3/4 in. x 4 in. x 7 ga. steel support legs. Capacity: 1500 lbs. per crosspipe, 4500 lbs. per set of legs. Supplied for overall conveyor widths from 10 in. to 42 in. wide. Knee braces are supplied to provide extra stability to support.

- Used In Place of LS or MS Supports Only
- Conveyor Widths 10 in. to 42 in. Wide
- 36 in. to 120 in. Support Height
- Sturdy Support for Multi-Level Lines
- Available for Most Horizontal Power and Gravity Conveyors
- Contact Factory for Specific Application and Available Sizes

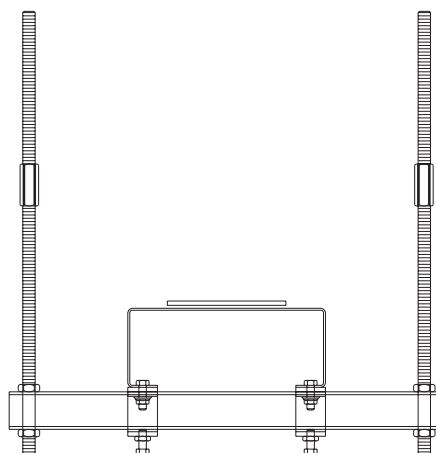


CEILING HANGERS

Ceiling Hangers provide safe and sturdy means of gaining high conveyor elevations. Used when maximum utilization of floor space is needed or when required height exceeds floor support capability. 5/8 in. fully threaded steel rod connects to 1 1/2 in. I.D. (1.9 in. O.D.) support which bolts to underside of conveyor with brackets. Ceiling Hangers can be supplied with gravity or powered conveyors. It is recommended that guard rails be used on conveyors that are ceiling hung.

Note: Coupling Nut for Over 8 ft. Long Rods

- 5/8 in. dia. x 8 ft. Long Unplated Fully Threaded Rod
- Sturdy Crosspipe Mounts to Underside of Bed Section
- Contact Factory for Available Sizes



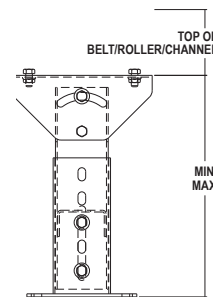
FLOOR SUPPORTS & CASTERS

STATIONARY FLOOR SUPPORTS: MS, LS, RS, & HS TYPES

- 1) Select support type. Refer to standard specifications on appropriate catalog page per model. RS, LS, and MS supports rated for 1500 lbs. maximum. HS rated for 4000 lbs. maximum.
- 2) Model chart will list top of belt/roller/channel for each model.
- 3) Add the dimension shown to the appropriate minimum and maximum elevation from the coordinating floor support chart. This will give you the elevation adjustment for model selected.

Example:

Model TA uses MS type supports per the specifications on page 44 of this catalog. On the TA model support chart below the dimension is 4 1/8 in. The chart to the right shows MS-6 support minimum and maximum elevations to be 23 5/8 in. to 35 5/8 in. When the 4 1/8 in. dimension is added to the minimum and maximum elevations, total elevations on a model TA with MS-6 supports is 27 3/4 in. to 39 3/4 in.



CASTERS

Casters are easily bolted to conveyor floor supports for portable applications. Steel or rubber wheels available in either rigid or swivel type.

- 4 in. caster
- 4 in. dia. steel or rubber wheel
- Swivel or rigid
- Load height – 5 5/8 in.
- Swivel radius – 3 9/16 in.
- Available with brakes or floor locks

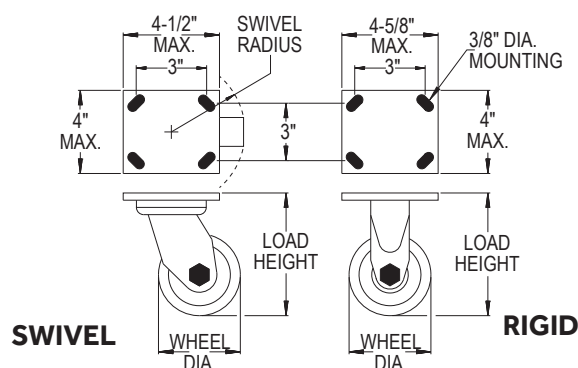
- 6 in. caster
- 6 in. dia. steel or rubber wheel
- Swivel or rigid
- Load height – 7 1/2 in.
- Swivel radius – 5 in.
- Available with brakes or floor locks



Caster shown with optional brake.
Available with swivel caster only.
4 in. Caster shown.



Caster shown with optional floor lock.



Note: Casters can limit overall capacity of conveyor.

FLOOR SUPPORTS AND CASTERS

Models	Top of Roller	Support	Min.	Max.	Support	Min.	Max.
SSR, SSRC, SSRS, Ball Transfer In SSR	2 3/4	LSL-1	2	3	LS-05	19 15/16	25 15/16
SW, SWC, SWS, Ball Transfer In SW	2 13/16	LSL-2	3	4 3/4	LS-06	23 15/16	35 15/16
138-ACC, LRC, LRS, LRSS	6 3/4	LSL-3	4 3/4	7 3/8	LS-07	33 15/16	45 15/16
		LS-01	7 5/16	9 1/16	LS-08	45 15/16	57 15/16
		LS-01.2	8 5/16	10 1/16	LS-09	57 15/16	69 15/16
		LS-01.4	9 5/16	11 1/16	LS-10	69 15/16	81 15/16
		LS-02	10 5/16	13 5/16	LS-11	79 15/16	91 15/16
		LS-03	12 15/16	15 5/16	LS-12	91 15/16	103 15/16
		LS-04	15 15/16	21 5/16			

Models	Top of Belt or Roller	Support	Min.	Max.	Support	Min.	Max.
19GSR, GSRC, GSRS Ball Transfer TR	3 3/4	MSL-1	2	3	MS-05	19 5/8	25 5/8
TA	4 1/4	MSL-2	3	4 3/4	MS-06	23 5/8	35 5/8
TL, 190-LR, 190-ACC, LRC, LRS, LRSS, 190-ACZ, ABEZ-Intermediate, C, PC, R-Gear Red, Drive	4 1/8	MSL-3	4 3/4	7 3/8	MS-07	33 5/8	45 5/8
199-CRR, CRRC	6 3/4	MS-01	7	8 3/4	MS-08	45 5/8	57 5/8
TH	5 13/16	MS-01.2	8	9 3/4	MS-09	57 5/8	69 5/8
SB, RB	6 7/8	MS-01.4	9	10 3/4	MS-10	69 5/8	81 5/8
RB-8" End Drive	10 3/8	MS-02	10	13	MS-11	79 5/8	91 5/8
SBI, RBI	7 1/16	MS-03	12 5/8	15 5/8	MS-12	91 5/8	103 5/8
190-NSP, NSPC, NSPS, NSPSS, 190-NSPEZ, NSPEZC	9 3/4	MS-04	15 5/8	21 5/8			
SC-Intermediate	6 13/16						
SC-Diverter, Center Leg	16 1/16						
PSB, PSBC	7 3/4						
TW	7 3/8						
Prosport Induction	6 7/8						
Gapper, Gapper L - Int/Tail	6 7/8						
Gapper, Gapper L - Drive Module	19 3/8						
199-CREZD	3 3/4						
CRB	4 1/8						

Models	Top of Belt	Support	Min.	Max.	Support	Min.	Max.
TA-8" End Drive; TL-8" End Drive, CRB	6 1/4	MSD-0-10	3 3/4	3 3/4	MSD-03	15 13/16	18 13/16
		MSD-0-11	4 3/4	4 3/4	MSD-04	18 13/16	24 13/16
		MSD-0-12	5 3/4	5 3/4	MSD-05	22 13/16	28 13/16
		MSD-0-13	6 3/4	6 3/4	MSD-06	26 13/16	38 13/16
		MSD-0-14	7 3/4	7 3/4	MSD-07	36 13/16	48 13/16
		MSD-0-15	8 3/4	8 3/4	MSD-08	48 13/16	60 13/16
		MSD-0-16	9 3/4	9 3/4	MSD-09	60 13/16	72 13/16
		MSD-01	10 5/16	12 1/16	MSD-10	72 13/16	84 13/16
		MSD-01.2	11 5/16	13 1/16	MSD-11	82 13/16	94 13/16
		MSD-01.4	12 5/16	14 1/16	MSD-12	94 13/16	106 13/16
		MSD-02	13 5/16	16 5/16			

FLOOR SUPPORTS AND CASTERS

Models	Top of Belt
190 NSP, NSPEZ	9 3/4

Support	Min.	Max.
MSN-01	7	8 3/4
MSN-01.2	8	9 3/4
MSN-01.4	9	10 3/4
MSN-02	10	13
MSN-03	12 15/16	15 15/16
MSN-04	15 15/16	21 15/16
MSN-05	19 15/16	25 15/16

Support	Min.	Max.
MSN-06	23 15/16	35 15/16
MSN-07	33 15/16	45 15/16
MSN-08	45 15/16	57 15/16
MSN-09	57 15/16	69 15/16
MSN-10	69 15/16	81 15/16
MSN-11	79 15/16	91 15/16
MSN-12	91 15/16	103 15/16

Models	Top of Roller
25 / 26 SR, SRC - Set Low	3 1/4
25 / 26 SR, SRC, SRS - Set High	4 3/8
35 SR - Set Low	4 1/4
35 SR - Set High	4 3/8
25 / 26 CRR, CRRC, CRRCT	4 3/8
PLEZD	8

Support	Min.	Max.
HSL-01		1/2
HSL-02		1/2
HSL-03		1/2
HSL-04	1/2	2 1/4
HSL-05	2 1/4	6 1/8
HS-01	6 1/8	7 5/8
HS-02	7 5/8	10 5/8
HS-03	10 5/8	13 5/8
HS-04	13 5/8	16 5/8

Support	Min.	Max.
HS-05	16 5/8	19 5/8
HS-06	19 5/8	25 5/8
HS-07	25 5/8	31 5/8
HS-08	31 5/8	43 5/8
HS-09	43 5/8	55 5/8
HS-10	55 5/8	67 5/8
HS-11	67 5/8	79 5/8
HS-12	79 5/8	91 5/8

Models	Top of Roller
25-CREZD	4 3/8
25 / 26 CRR, CRRC, CRRCT	4 3/8

Support	Min.	Max.
HSN-01	6 1/8	7 5/8
HSN-02	7 5/8	10 5/8
HSN-03	10 5/8	13 5/8
HSN-04	13 5/8	16 5/8
HSN-05	16 5/8	19 5/8
HSN-06	19 5/8	25 5/8

Support	Min.	Max.
HSN-07	25 5/8	31 5/8
HSN-08	31 5/8	43 5/8
HSN-09	43 5/8	55 5/8
HSN-10	55 5/8	67 5/8
HSN-11	67 5/8	79 5/8
HSN-12	79 5/8	91 5/8

Models	Top of Belt
WC-DRIVE	8 1/8
WC-TAIL	5 3/8
19 GATES (Gas Spring)	12 3/4
138 / SW GATES (Spring Balanced)	3 3/4
19 GATES (Spring Balanced)	4 3/4

Support	Min.	Max.
RS-01	6 7/16	8 3/16
RS-01.2	7 7/16	9 3/16
RS-01.4	8 7/16	10 3/16
RS-02	9 7/16	12 7/16
RS-03	11 15/16	14 5/16
RS-04	14 15/16	20 15/16
RS-05	18 15/16	24 15/16

Support	Min.	Max.
RS-06	22 15/16	34 15/16
RS-07	32 15/16	44 15/16
RS-08	44 15/16	56 15/16
RS-09	56 15/16	68 15/16
RS-10	68 15/16	80 15/16
RS-11	78 15/16	90 15/16
RS-12	90 15/16	102 15/16

Overhead Drive

Models	Top of Belt
PCA	2 9/16

Support	Min.	Max.
PCAS-01	6 7/16	8 3/16
PCAS-01.2	7 7/16	9 3/16
PCAS-01.4	8 7/16	10 3/16
PCAS-02	9 7/16	12 7/16
PCAS-03	11 15/16	14 15/16
PCAS-04	14 15/16	20 15/16
PCAS-05	18 15/16	24 15/16

Support	Min.	Max.
PCAS-06	22 15/16	34 15/16
PCAS-07	32 15/16	44 15/16
PCAS-08	44 15/16	56 15/16
PCAS-09	56 15/16	68 15/16
PCAS-10	68 15/16	80 15/16
PCAS-11	78 15/16	90 15/16
PCAS-12	90 15/16	102 15/16

Underside Drive

Support	Min.	Max.
PCASU-04	14 15/16	20 15/16
PCASU-05	18 15/16	24 15/16
PCASU-06	22 15/16	34 15/16
PCASU-07	32 15/16	44 15/16
PCASU-08	44 15/16	56 15/16

Support	Min.	Max.
PCASU-09	56 15/16	68 15/16
PCASU-10	68 15/16	80 15/16
PCASU-11	78 15/16	90 15/16
PCASU-12	90 15/16	102 15/16

FLOOR SUPPORTS AND CASTERS

Models	Top of Channel
PCH	8 5/8

Models	Top of Side Channel
PCX	7 1/4

Models	Top of Slat
ProSort 1400 - Drive	38 3/4
ProSort 1400 - Inter/Tail	21 3/4
ProSort 1400 - Induction	6 9/16
ProSort 100 - Drive	29 1/4
ProSort 100 - Drive (Low Elev. 75' Lg or Less)	19 1/4
ProSort 100 - Inter/Tail	14 1/4
ProSort 100 - Induction Drive	6 7/8

Models	Top of Roller
25 LRA	—
25 LREZ	—

Support	Min.	Max.	Support	Min.	Max.
PCHS-01	6 1/8	7 5/8	PCHS-07	25 5/8	31 5/8
PCHS-02	7 5/8	10 5/8	PCHS-08	31 5/8	43 5/8
PCHS-03	10 5/8	13 5/8	PCHS-09	43 5/8	55 5/8
PCHS-04	13 5/8	16 5/8	PCHS-10	55 5/8	67 5/8
PCHS-05	16 5/8	19 5/8	PCHS-11	67 5/8	79 5/8
PCHS-06	19 5/8	25 5/8	PCHS-12	79 5/8	91 5/8

Support	Min.	Max.	Support	Min.	Max.
PCXSL-01	2	3	PCXS-05	19 5/8	25 5/8
PCXSL-02	3	4 3/4	PCXS-06	23 5/8	35 5/8
PCXSL-03	4 3/4	7 3/8	PCXS-07	33 5/8	45 5/8
PCXS-01	7	8 3/4	PCXS-08	45 5/8	57 5/8
PCXS-01.2	8	9 3/4	PCXS-09	57 5/8	69 5/8
PCXS-01.4	9	10 3/4	PCXS-10	69 5/8	81 5/8
PCXS-02	10	13	PCXS-11	79 5/8	91 5/8
PCXS-03	12 5/8	15 5/8	PCXS-12	91 5/8	103 5/8
PCXS-04	15 5/8	21 5/8			

Support	Min.	Max.	Support	Min.	Max.
MHS-01	6 1/8	7 5/8	MHS-07	25 5/8	31 5/8
MHS-02	7 5/8	10 5/8	MHS-08	31 5/8	43 5/8
MHS-03	10 5/8	13 5/8	MHS-09	43 5/8	55 5/8
MHS-04	13 5/8	16 5/8	MHS-10	55 5/8	67 5/8
MHS-05	16 5/8	19 5/8	MHS-11	67 5/8	79 5/8
MHS-06	19 5/8	25 5/8	MHS-12	79 5/8	91 5/8

Intermediate		Drive and Tail	
Support	Non-Adj.	Support	Non-Adj.
LRAS-12	12	—	12
LRAS-13	13	LRADS-13	13
LRAS-14	14	LRADS-14	14
LRAS-15	15	LRADS-15	15
LRAS-16	16	LRADS-16	16
LRAS-17	17	LRADS-17	17
LRAS-18	18	LRADS-18	18
LRAS-19	19	LRADS-19	19
LRAS-20	20	LRADS-20	20
LRAS-21	21	LRADS-21	21
LRAS-22	22	LRADS-22	22
LRAS-23	23	LRADS-23	23
LRAS-24	24	LRADS-24	24
LRAS-25	25	LRADS-25	25
LRAS-26	26	LRADS-26	26
LRAS-27	27	LRADS-27	27
LRAS-28	28	LRADS-28	28
LRAS-29	29	LRADS-29	29
LRAS-30	30	LRADS-30	30

FLOOR SUPPORTS AND CASTERS

Models	Top of Chain
DC-60	—
DCEZ-60	—
DC-63	—
DCEZ-63	—
DC-82	—
DCEZ-82	—
DC-83	—
DCEZ-83	—

Intermediate/Tail			Intermediate/Tail			Drive and Tail		
Support	Min.	Max.	Support	Min.	Max.	Support	Min.	Max.
DCS-01	11	12	DC3S-01	11	12	—	—	—
DCS-02	13	15	DC3S-02	13	15	—	—	—
DCS-03	15	17	DC3S-03	15	17	DCDS-03	16	18
DCS-04	17	19	DC3S-04	17	19	DCDS-04	17	19
DCS-05	19	21	DC3S-05	19	21	DCDS-05	19	21
DCS-06	21	23	DC3S-06	21	23	DCDS-06	21	23
DCS-07	23	25	DC3S-07	23	25	DCDS-07	23	25
DCS-08	25	27	DC3S-08	25	27	DCDS-08	25	27
DCS-09	27	29	DC3S-09	27	29	DCDS-09	27	29
DCS-10	29	31	DC3S-10	29	31	DCDS-10	29	31

Models	Top of Slat
SL	—

Support	Non- Adj.	Support	Non-Adj.
SLSD-25	25	SLS-25	25
SLSD-26	26	SLS-26	26
SLSD-27	27	SLS-27	27
SLSD-28	28	SLS-28	28
SLSD-29	29	SLS-29	29
SLSD-30	30	SLS-30	30
SLSD-31	31	SLS-31	31
SLSD-32	32	SLS-32	32
SLSD-33	33	SLS-33	33
SLSD-34	34	SLS-34	34
SLSD-35	35	SLS-35	35
SLSD-36	36	SLS-36	36
SLSD-37	37	SLS-37	37
SLSD-38	38	SLS-38	38
SLSD-39	39	SLS-39	39
SLSD-40	40	SLS-40	40
SLSD-41	41	SLS-41	41
SLSD-42	42	SLS-42	42

Models	Top of Roller
36 CRRH, 36-CREZD	5 3/8
36 SR - Set High	5 3/8
36 SR - Set Low	4 1/4

Support	Non-Adj.	Support	Non-Adj.
HSF-09	4	HSF-20	14 5/8
HSF-10	4 5/8	HSF-21	15 5/8
HSF-11	5 5/8	HSF-22	16 5/8
HSF-12	6 5/8	HSF-23	17 5/8
HSF-13	7 5/8	HSF-24	18 5/8
HSF-14	8 5/8	HSF-25	19 5/8
HSF-15	9 5/8	HSF-26	20 5/8
HSF-16	10 5/8	HSF-27	21 5/8
HSF-17	11 5/8	HSF-28	22 5/8
HSF-18	12 5/8	HSF-29	23 5/8
HSF-19	13 5/8	HSF-30	24 5/8

FLOOR SUPPORTS AND CASTERS

Models	Top of Chain
CT-3000	12
CT-4000	14

Support	NON-ADJ.
CTS-01	1
CTS-02	2
CTS-03	3
CTS-04	4
CTS-05	5
CTS-06	6

Models	Top of Belt/Roller/Conveyor
A - Drive	11 1/4
A - Tail	4 1/2

Drive			Drive and Tail		
Support	Min.	Max.	Support	Min.	Max.
RSAD-01	15	16 7/16	MSAT-01	11 1/2	13 1/4
RSAD-02	16 7/16	17 7/8	MSAT-02	12 1/2	14 1/4
RSAD-03	17 11/16	19 7/16	MSAT-03	13 1/2	15 1/4
RSAD-04	18 11/16	20 7/16	MSAT-04	14 1/2	17 1/2
RSAD-05	19 11/16	21 7/16	MSAT-05	17 1/8	20 1/8
RSAD-06	20 11/16	23 11/16	MSAT-06	20 1/8	26 1/8
RSAD-07	23 3/16	26 3/16	MSAT-07	24 1/8	30 1/8
RSAD-08	26 3/16	32 3/16	MSAT-08	28 1/8	40 1/8
RSAD-09	30 3/16	36 3/16	MSAT-09	38 1/8	50 1/8
RSAD-10	34 3/16	46 3/16	MSAT-10	50 1/8	62 1/8
RSAD-11	44 3/16	56 3/16	MSAT-11	62 1/8	74 1/8
RSAD-12	56 3/16	68 3/16	MSAT-12	74 1/8	86 1/8
RSAD-13	68 3/16	80 3/16	MSAT-13	84 1/8	96 1/8
RSAD-14	80 3/16	92 3/16	MSAT-14	96 1/8	108 1/8
RSAD-15	90 3/16	102 3/16	—	—	—
RSAD-16	102 3/16	114 3/16	—	—	—

Models	Top of Belt/Roller/Conveyor
R	11 1/4

Support	Min.	Max.	Support	Min.	Max.
RSR-01	13 1/8	14 9/16	RSR-09	28 5/16	34 5/16
RSR-02	14 9/16	16	RSR-10	32 5/16	44 5/16
RSR-03	15 13/16	17 9/16	RSR-11	42 5/16	54 5/16
RSR-04	16 13/16	18 9/16	RSR-12	54 5/16	66 5/16
RSR-05	17 13/16	19 9/16	RSR-13	66 5/16	78 5/16
RSR-06	18 13/16	21 13/16	RSR-14	78 5/16	90 5/16
RSR-07	21 5/16	24 5/16	RSR-15	88 5/16	100 5/16
RSR-08	24 5/16	30 5/16	RSR-16	100 5/16	112 5/16

PORTABLE CASTERED SUPPORT

Portable Castered Support allows straight sections of gravity skatewheel or 1 3/8 in. dia. roller conveyor to be easily moved.



12"	Support Width			Height to Top of Conveyor	Weight (lbs.)
	15"	18"	24"		
PCS-12-28	PCS-15-28	PCS-18-28	PCS-24-28	18"-28"	53
PCS-12-40	PCS-15-40	PCS-18-40	PCS-24-40	24"-40"	55
PCS-12-52	PCS-15-52	PCS-18-52	PCS-24-52	30"-52"	57
PCS-12-72	PCS-15-72	PCS-18-72	PCS-24-72	40"-72"	62

Note: Supplied with 3 in. dia. hard rubber stem type brake caster.
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

PORTABLE CASTERED CURVE SUPPORT

Portable Castered Curve Support allows curved sections of gravity skatewheel or 1 3/8 in. dia. roller curves to be easily moved. Floor locks can be supplied; optional.



12"	Support Width			Height to Top of Conveyor	Weight (lbs.)
	15"	18"	24"		
PCCS-12-28	PCCS-15-28	PCCS-18-28	PCCS-24-28	18"-28"	69
PCCS-12-40	PCCS-15-40	PCCS-18-40	PCCS-24-40	24"-40"	71
PCCS-12-52	PCCS-15-52	PCCS-18-52	PCCS-24-52	30"-52"	73
PCCS-12-72	PCCS-15-72	PCCS-18-72	PCCS-24-72	40"-72"	78

Note: Supplied with 3 in. dia. hard rubber stem type brake caster.
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

TRIPOD STAND

Adjustable Tripod Stands are used with straight or curved sections of gravity skatewheel and 1 3/8 in. dia. roller conveyor. Optional leg angles can be supplied to fasten stand to floor.

- 4 Widths
- Portable Applications
- Easily Adjusted



Capacity Data:

350 lbs. with 180 in./lbs. of torque on locking screw (no shock loading).

Model No.	Width	Height (Top of Roller/ Wheel)		Weight (lbs.)
		Min.	Max.	
TS-12-18	12"	12"	18"	5 1/2
TS-12-30		18"	30"	8 1/2
TS-12-40		24"	40"	10 1/2
TS-12-52		30"	52"	13 1/2
TS-12-72		40"	72"	19 1/2
TS-12-110		60"	110"	23 1/2
TS-15-18	15"	12"	18"	6
TS-15-30		18"	30"	9
TS-15-40		24"	40"	11
TS-15-52		30"	52"	14
TS-15-72		40"	72"	20
TS-15-110		60"	110"	24
TS-18-18	18"	12"	18"	6 1/2
TS-18-30		18"	30"	9 1/2
TS-18-40		24"	40"	11 1/2
TS-18-52		30"	52"	14 1/2
TS-18-72		40"	72"	20 1/2
TS-18-110		60"	110"	24 1/2
TS-24-18	24"	12"	18"	7
TS-24-30		18"	30"	10
TS-24-40		24"	40"	12
TS-24-52		30"	52"	15
TS-24-72		40"	72"	21
TS-24-110		60"	110"	25

All weights in catalog are conveyor weights only.
Accessories, crating, etc., are not included.

ROLLER STAND

Adjustable Roller Stands are made of heavy gauge pipe with a 1.9 galvanized, ball bearing roller mounted on top. They are used for feeding work to a punch press, saw, drill press, brake press, or anywhere some extra support is required.

- 3 Widths
- Portable Applications
- Easily Adjusted



Model No.	Width BR	Height		Weight (lbs.)
		Min.	Max	
ARS-13-18	13"	12 3/8"	18"	9
ARS-13-30		18 3/8"	30"	12
ARS-13-40		24 3/8"	40"	14
ARS-17-18	17"	12 3/8"	18"	10
ARS-17-30		18 3/8"	30"	13
ARS-17-40		24 3/8"	40"	15
ARS-21-18	21"	12 3/8"	18"	12
ARS-21-30		18 3/8"	30"	15
ARS-21-40		24 3/8"	40"	17

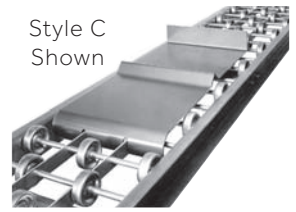
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

DEAD-TYPE PACKAGE STOP

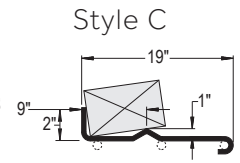
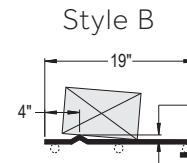
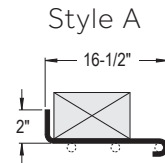
Dead type package stops are simply placed on bed section of gravity wheel and 1 3/8 in. roller conveyor. Styles A, B, or C can be used to lift or stop cartons or boxes. Easily attached to conveyor.

- 3 Styles
- 4 Widths
- 12 ga. Steel

Style C
Shown



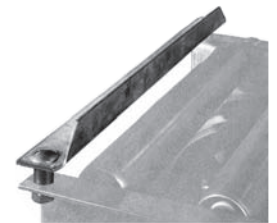
Between Rail Width	Overall Frame Width	Package Stop Width
10"	12"	9"
13"	15"	12"
16"	18"	15"
22"	24"	21"



ANGLE END STOP

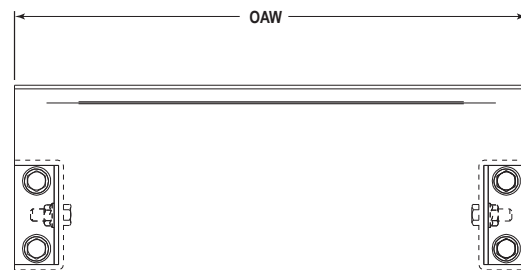
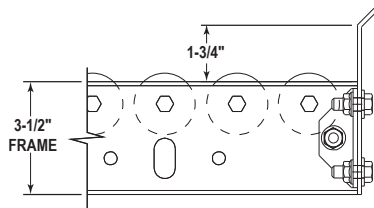
Angle End Stop mounts to end of conveyor for stopping boxes, cartons, etc. Bolts to top flange of conveyor channels. Available in all standard conveyor widths.

- 1 1/2 in. x 1 1/2 in. x 12 ga. powder-painted steel for 190-LR, 138-ACC, 190-ACC, 190-NSP, 190-ACZ, SW, 138SR, and 19GSR conveyors.
- 2 in. x 2 in. x 1/4 in. powder-painted steel for 2 1/2 in. and 2 5/8 in. gravity.



TERMINATING END STOP

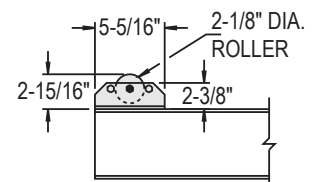
Terminating End Stops mount to end of conveyor for stopping boxes, cartons, etc. Bolts to top flange of conveyor channels. Available in all standard conveyor widths.



RAISED END ROLLER STOP

Raised End Roller Stop can be mounted at end or any desired location along conveyor (some drilling may be required). Steel angle brackets hold 2 1/8 in. dia. x 1/8 in. wall galvanized roller with 7/16 in. hex shaft. Bolts to top flange of conveyor channels. For models 190-LR, 138-ACC, 190-ACC, 190-ACZ, SW, 138SR, and 19GSR.

- Available in all standard widths.
- Capacity: 150 lbs. live load capacity at 65 FPM.



HAND-OPERATED STOPS

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 190-LR, 138-ACC, 190-ACC, 190-NSP, 190-ACZ, 138SR and 19GSR.

Standard Specifications

CAPACITY – Blade 50 lbs. for 1 3/8 in. roller and 150 lbs. for 1.9 in. roller. 1 3/8 in. dia. roller 50 lbs., 1.7 in. dia. roller 150 lbs. All are live load capacities at 65 FPM.

BEARINGS – Cam roller bearings to absorb impact.

OPERATION – Hand operated lever to raise or lower stop. Can be used in normally up or down positions.

STOP – 7 ga. formed angle 1 in. x 1 1/2 in. for 1 3/8 in. conveyors, 1 1/2 in. x 1 1/2 in. for 1.9 in. and 2.0 in. conveyors. Roller 1 3/8 in. dia. x 18 ga. galvanized steel for 1 3/8 in. conveyors. 1.7 in. dia. x 13 ga. unplated steel roller for 1.9 in. conveyors.

STROKE – 1 7/8 in. above rollers.

Photo shows package stop mounted in 1 3/8 in. dia. gravity roller conveyor.



FOOT-OPERATED STOPS

Foot-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 SSR and 19SR.

Standard Specifications

CAPACITY – Blade 50 lbs. for 1 3/8 in. roller and 150 lbs. for 1.9 in. roller. 1 3/8 in. dia. roller 50 lbs., 1.7 in. dia. roller 150 lbs. All are live load capacities at 65 FPM.

OPERATION – Foot-operated lever to raise or lower stop.

STOP – Blade 1/4 in. steel plate, roller 1 3/8 in. dia. x 18 ga. galvanized steel for 1 3/8 in. conveyors. 1.7 in. dia. x 13 ga. unplated steel roller for 1.9 in. conveyors.

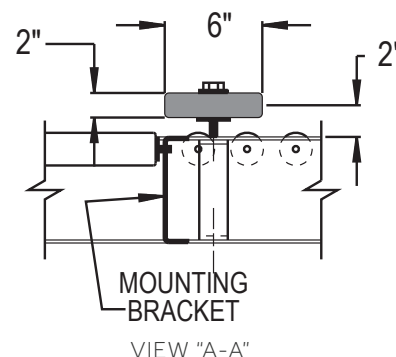
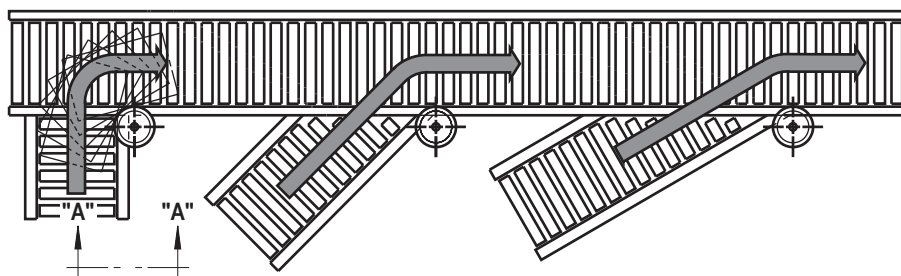
POSITION – Normally supplied down. Can be supplied up. Specify.

STROKE – 2 in. above roller.



TURNING WHEEL

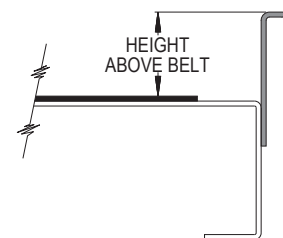
Turning Wheels are used in converging 30-degree and 45-degree spur applications. Also used at 90-degree (right angle) transfers where Traffic Cops, Package Stops, and other product flow controlling devices are used. Wheel is mounted on adjustable bracket to ensure proper package orientation through transfer. Can be mounted to slider bed or side channels of powered and gravity conveyors—specify model.



Mounting hardware for 6 1/2 in. channel only.

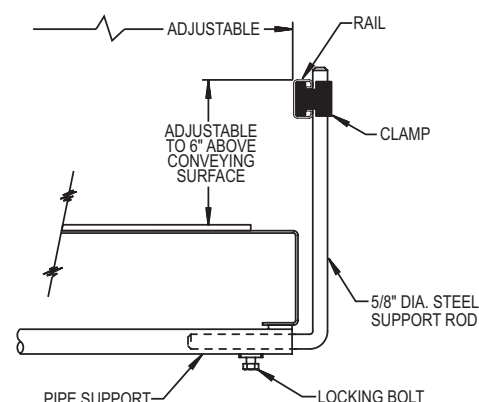
SOLID SIDE GUARD

- Bolts to side of TA or TL
- 2 in., 4 in., 6 in., 9 in., and 12 in. heights
- Powder-painted steel 6 in. through 12 in. high
- Formed top with alignment strip



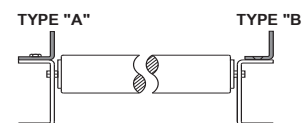
UNIVERSAL ADJUSTABLE CHANNEL

- 1 5/8 in. x 7/8 in. galvanized channel
- Continuous joint



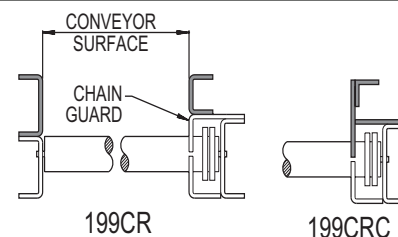
FIXED ANGLE

- 1 in. x 1 in. powder-painted steel for 138 and SW conveyors
- 1 1/2 in. x 1 1/2 in. powder-painted steel for 1.9 conveyors
- Type B mounted with shaved carriage bolt screws
- 2 in. x 1 5/8 in. x 4 ga. powder-painted steel for 2.5 and 2.6 conveyors. Type A only.



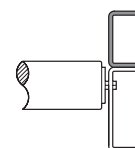
FIXED CHANNEL

- 2 1/2 in. x 1 1/2 in. x 12 ga. powder-painted steel channel top of chain guard
- 3 1/2 in. x 1 1/2 in. x 12 ga. painted steel channel other side



FIXED CHANNEL

- 2 1/2 in. x 1 in. powder-painted steel channel for 138 & SW conveyors
- 3 1/2 in., 6 1/2 in., 10 in., or 13 in. heights x 1 1/2 in. x 14 ga. powder-painted steel channel for 1.9 in. conveyors



Note: Overlapping style available for one direction applications.

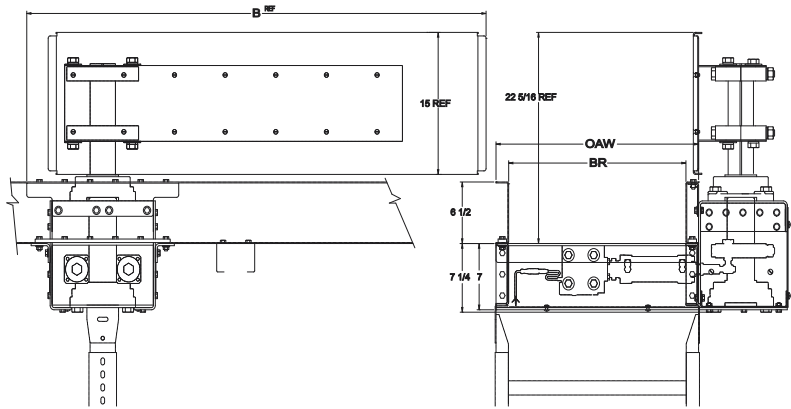
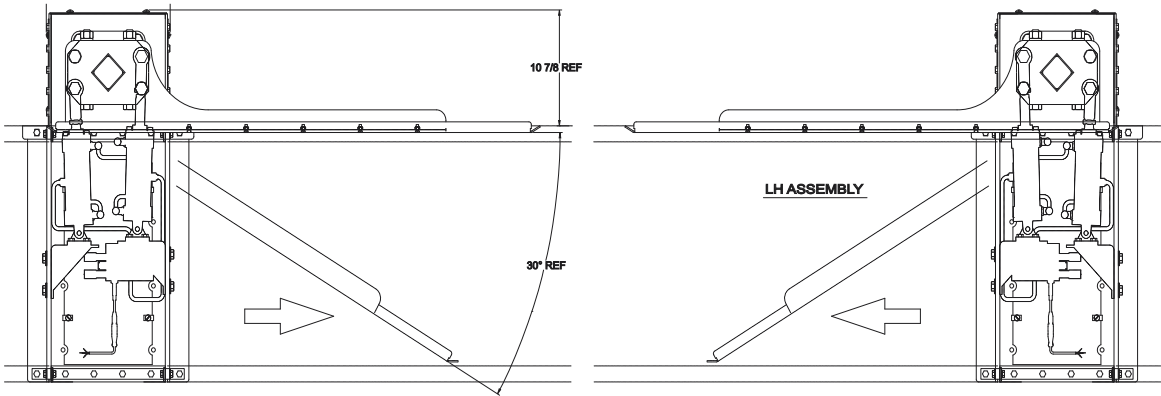


SWING ARM DIVERTER

The Swing Arm Diverter is a precisely timed, flat-faced pivot arm diverter for use with the model SB belt conveyor to deflect cartons across the conveyor belt. Its unique cylinder arrangement allows it to divert cartons at very high rates across the conveyor belt onto the divert chute.

TECHNICAL MANUAL

Chute Size Chart				
OAW	18"	24"	30"	36"
"A"	42"	48"	54"	60"
	15"	15"	15"	15"
	18"	18"	18"	18"
	21"	21"	21"	21"
"B"	24"	24"	24"	24"
	27"	27"	27"	27"
	30"	30"	30"	30"
	33"	33"	33"	33"
	36"	36"	36"	36"



- Right-or left-hand diverts available
- Up to 60 cartons per minute

SWING ARM DIVERTER

Standard Specifications

PAINT – Powder-painted.

DIVERT ARM – Painted steel channel with 48 in. long x 15 in. wide x 3/16 in. thick aluminum face.

CAPACITY – 1 lb. minimum carton weight, 50 lb. maximum carton weight, 36 in. maximum carton length, 1 in. minimum carton height.

CYCLE RATE – Up to 60 cycles per minute.

RIGHT-HAND OR LEFT-HAND DIVERTS – Please specify.

AIR VALVE – 24VDC double solenoid air valve.

AIR FILTER/REGULATOR – Supplied with safety soft start valve with manual and 24 volt solenoid lock out, 1/2 in. NPT inlet port.

AIR CYLINDER – Two 2 1/2 in. bore x 4 in. stroke.

AIR REQUIREMENTS – 80 PSI working pressure; free air consumption at 80 PSI, 0.14 cubic feet per cycle. Note: Include safety factor when calculating compressor size 1 1/4 in. minimum air supply line recommended.

PROX SWITCH – 24VDC Home Prox and 24VDC Retract Prox.

Optional Equipment

AIR VALVE – 120VAC double solenoid valve.

PROX SWITCH – 120VAC.

AIR FILTER/REGULATOR – Supplied with safety soft start valve with manual and 120 volt solenoid lock out, 1/2 in. NPT inlet port.

PLOWS- 30 MP (MANUAL) AND 30 AP (PNEUMATIC)

30-degree plows are used to divert product from main conveyor line to spur line. Mounts to underside of bed on powered belt or live roller type conveyors.

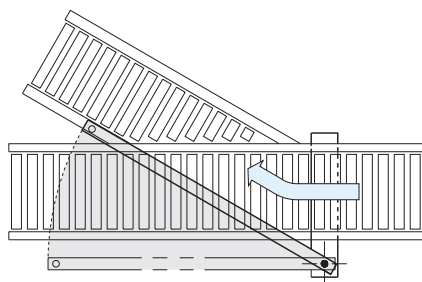
Manual & Pneumatic

- 2 in. x 2 in. x 14 ga. plow arm
- 30-degree plow angle

Pneumatic Only

- Air cylinder – 2 in. bore double acting 6 in. stroke (10 in. to 18 in. OAW conveyors), 10 in. stroke (20 in. to 42 in. OAW conveyors)
- Air Requirements – Minimum pressure 60 PSI; Maximum 100 PSI. Free air consumption per cycle – 6 in. stroke at 60 PSI (.105 cu. ft.), at 100 PSI (.162 cu. ft.); 10 in. stroke at 60 PSI (.176 cu. ft.), at 100 PSI (.270 cu. ft.).
- Valve – Single solenoid 4-way valve, 1/4 in., 20NPT valve ports. Electrical requirements: 120v, 1 Ph., 60 Hz.; current draw, .09 Amps.

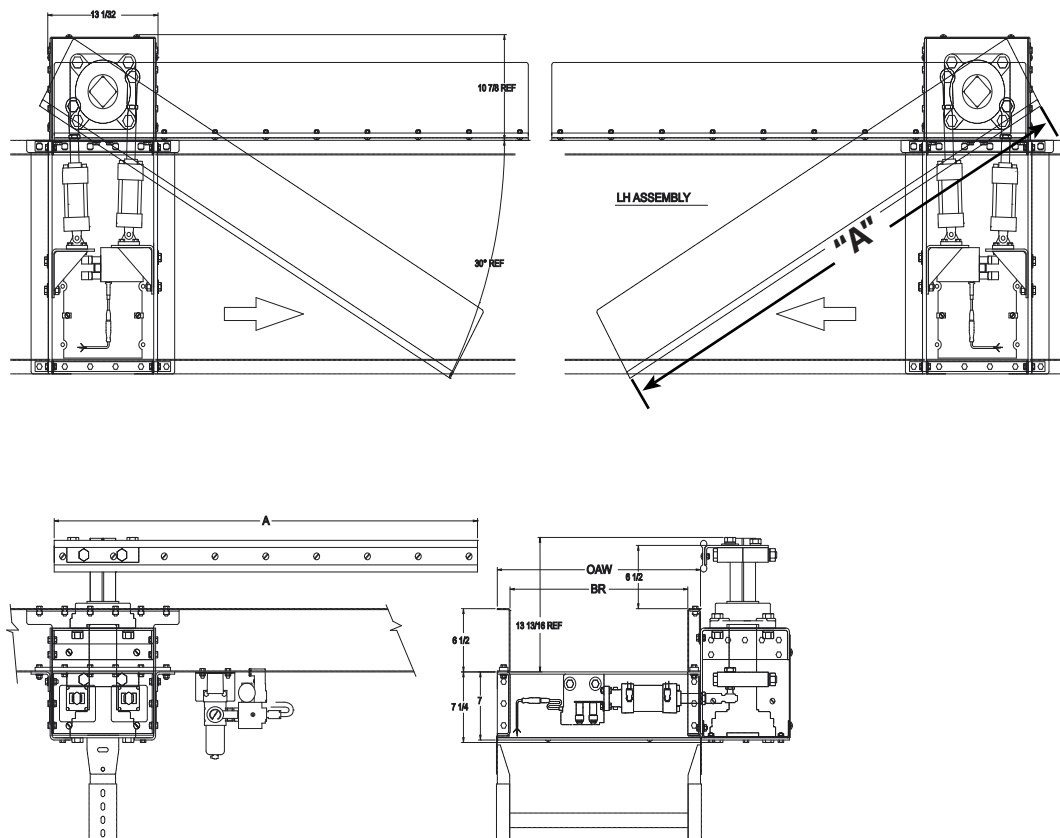
Installation Note: To eliminate contaminants in air supply line, a filter, regulator should be installed prior to valve.



SWING ARM PLOW ASSEMBLY

The Swing Arm Plow Assembly is a precisely timed plow arm diverter designed for use with the model SB belt conveyor. The plow is specifically designed for diverting totes onto powered spurs. It also features a flat-faced plow option for carton diverting.

- Right-Hand or Left-Hand Diverts Available
- Up to 40 Cartons Per Minute
- For 30-Degree or 45-Degree Diverting



OAW	"A"	
	30°	45°
18"	50"	38"
24"	56"	44"
30"	68"	50"
36"	80"	62"

Standard Specifications

PAINT – Powder-painted.

CAPACITY – 1 lb. minimum carton weight, 50 lb. maximum carton weight, 36 in. maximum carton length, 1 in. minimum carton height.

CYCLE RATE – Up to 40 cycles per minute.

RIGHT-HAND OR LEFT-HAND DIVERTS – Specify.

AIR VALVE – 24VDC single solenoid air valve.

PLOW ARM – Steel construction with dogbone wearstrip face.

AIR FILTER/REGULATOR – Supplied with safety soft start valve with manual and 24 volt solenoid lockout, 1/2 in. NPT inlet port.

AIR CYLINDER – Two 2 1/2 in. bore x 2 in. or 3 in. stroke.

AIR REQUIREMENTS – 80 PSI working pressure, free air consumption at 80 PSI, 0.14 cu. ft. per cycle. Note: Include safety factor when calculating compressor size. 1 1/4 in. minimum air supply line recommended.

30- OR 45-DEGREE DIVERTING – Specify.

Optional Equipment

AIR VALVE – 120VAC single solenoid valve.

HOME PROX - 24VDC or 120VAC.

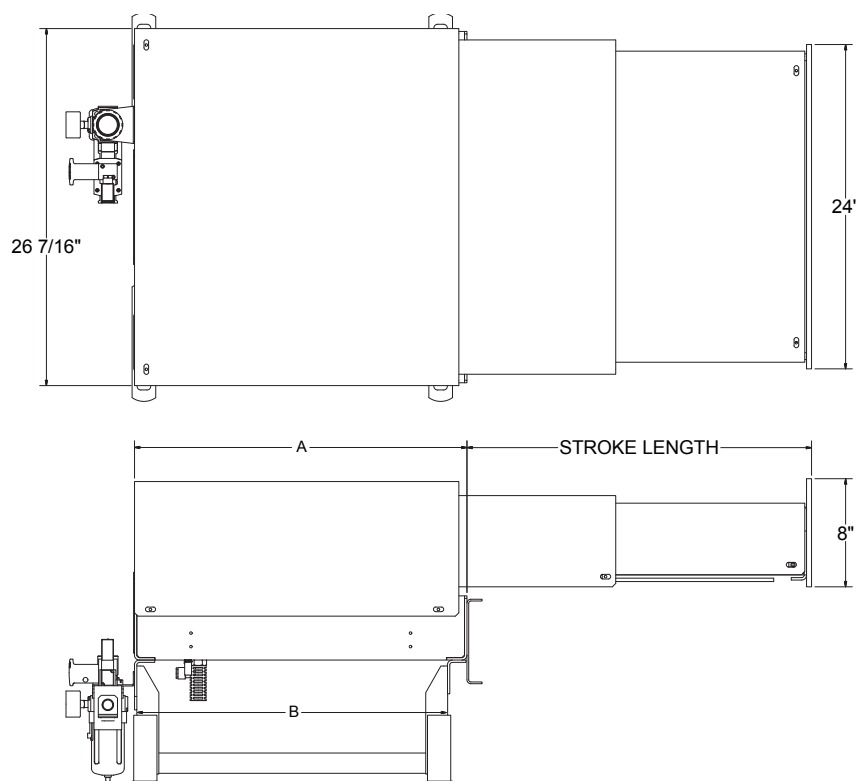
AIR FILTER/REGULATOR – With 120VAC lockout.

EXTENDA PUSHER

Dual-Stage 90° Pusher

The Extenda Pusher is a dual-stage 90-degree pusher designed for use on slider and roller bed conveyors where sorting of cartons or totes is required. The small dual-stage design requires little space for mounting with an increased operating cycle rate is increased.

- Right-Hand or Left-Hand Diverts Available
- Up to 30 Cartons Per Minute
- 4 Stroke Lengths Available



OAW	Actual Stroke Length	"A"	"B"
16" - 18"	16"	21 19/32"	20"
20" - 24"	22"	24 19/32"	23"
26" - 30"	28"	27 19/32"	26"
34" - 36"	34"	30 19/32"	29"

Standard Specifications

PAINT – Powder-painted.

STROKE LENGTH – Available in 16, 22, 28, and 34 in. ranges. Duration of divert pulse to air valve will determine exact stroke length within range.

PUSHER FACE – 8 in. x 24 in. x 3/8 in. aluminum.

SUPPORTS – Two HS Floor Supports.

CAPACITY – 1 lb. minimum carton weight; 75 lb. maximum carton weight; 36 in. maximum carton length; 1 in. minimum carton height.

CYCLE RATE – Up to 30 cycles per minute.

Optional Equipment

AIR VALVE – 24VDC double solenoid valve.

AIR VALVE – 120VAC double solenoid air valve.

AIR FILTER/REGULATOR – Supplied with safety shut off valve and 1/2 in. NPT inlet port.

AIR REQUIREMENTS – 80 PSI working pressure; free air consumption at 80 PSI.

0.63 cubic feet per cycle for 16 in. stroke

0.87 cubic feet per cycle for 22 in. stroke

1.11 cubic feet per cycle for 28 in. stroke

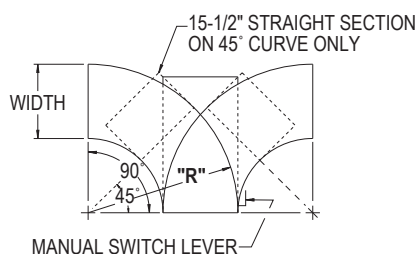
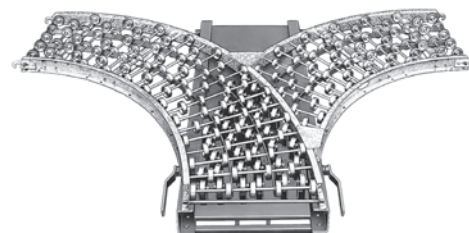
1.34 cubic feet per cycle for 34 in. stroke

Note: Include safety factor when calculating compressor size. 1 1/4 in. minimum air supply line recommended.

Y SWITCH

The Y Switch provides simple method of diverting or converging products from one line to another. Normal flow is to left curve looking from handle end. Transfer mechanism is raised to transfer products to other curve. Unit mounts on three stationary supports. Furnished with manual or pneumatic controls. Guard rails can be supplied—optional.

- 4 Widths
- Hand- or Air-Operated
- 45-Degree and 90-Degree Curves Available



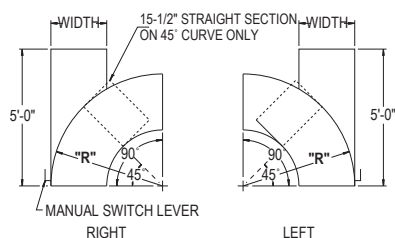
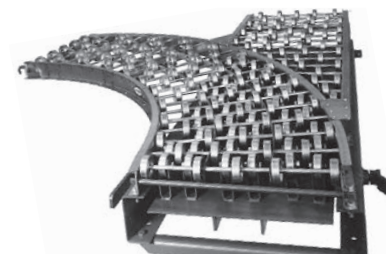
"R"	Width	Degree	Model No.	Weight (lbs.)
4' 0"	12"	45°	SYS-12-45	106
		90°	SYS-12-90	142
	15"	45°	SYS-15-45	120
		90°	SYS-15-90	156
	18"	45°	SYS-18-45	131
		90°	SYS-18-90	169
5' 0"	24"	45°	SYS-24-45	145
		90°	SYS-24-90	185

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

SPUR CURVE SWITCH

The Spur Curve Switch provides simple method of diverting or converging products from one line to another. Normal flow is through curve. Transfer mechanism is raised to transfer straight through. Unit mounts on three stationary supports. Furnished with manual or pneumatic controls. Guard rails can be supplied; optional.

- 4 Widths
- Hand- or Air-Operated
- 45-Degree and 90-Degree Curves Available
- Right- and Left-Hand Units



"R"	Width	Degree	Model No.	Weight (lbs.)
4' 0"	12"	45°	SCS-12-45-R or L	140
		90°	SCS-12-90-R or L	157
	15"	45°	SCS-15-45-R or L	153
		90°	SCS-15-90-R or L	173
	18"	45°	SCS-18-45-R or L	166
		90°	SCS-18-90-R or L	188
5' 0"	24"	45°	SCS-24-45-R or L	190
		90°	SCS-24-90-R or L	205

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

TC-250 TRAFFIC COP

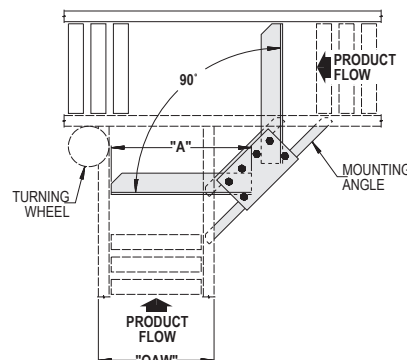
The Traffic Cop controls product flow from one conveyor onto another. It allows products from one line of traffic to flow freely, without interference from another converging line of traffic. This eliminates collision of products which may cause damage and disrupt product flow.

- 7 Arm Widths, Aluminum
- Adjustable for 180, 90, 60, 45, and 30-degree Applications, Specify
- Locked Arm Impact Capacity is 70 lbs. at 65 FPM
- 5 lbs. Min. Package Weight at 65 FPM Required to Actuate Arm
- 250 lbs. Max. Accumulated Capacity



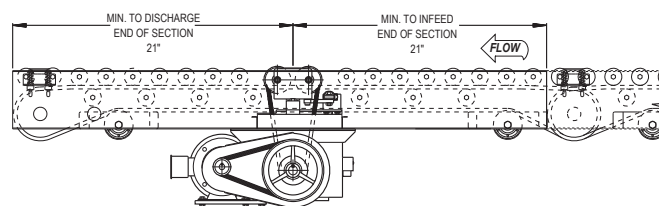
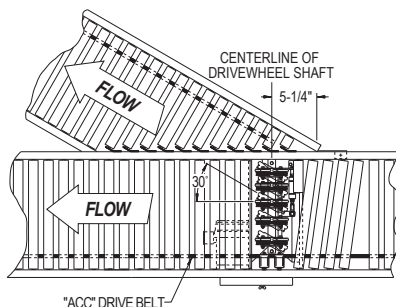
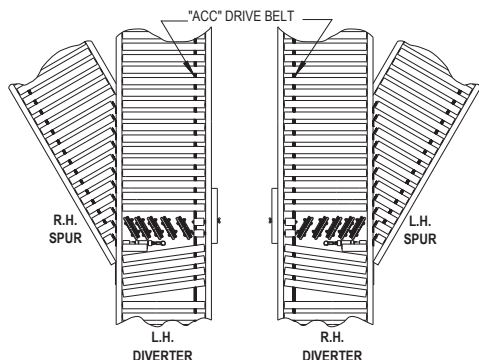
Conveyor Width Overall	Arm Length Size "A"	Model No.	Weight (lbs.)
12"	12"	TC-250-12	47
15"	15"	TC-250-15	
18"	18"	TC-250-18	
22"	22"	TC-250-22	50
24"	24"	TC-250-24	
26"	26"	TC-250-26	
30"-36"	30"	TC-250-30	

All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.



SINGLE POWERED PIVOT DIVERTER

The Powered Pivot Diverter is designed for use with models 138-ACC and 190-ACC Accumulating Conveyor. Products are automatically diverted onto adjacent 30-degree spur lines.



Standard Specifications

CAPACITY – 75 lbs. maximum package weight.

PACKAGE SIZE – Minimum 6 in. wide x 9 in. long, maximum 12 in. wide x 21 in. long. Note: Small packages must not be top heavy.

DIVERTER SPEED – AC Drive 42 to 420 FPM.

DIVERTER MECHANISM – Two rows of 3 1/8 in. dia. wheels with urethane treads driven by 3/8 in. dia. urethane belts.

MOUNTING – Complete unit bolts to 138-ACC 13 in. to 22 in. BR only or 190-ACC 13 in. to 21 in. BR, RH or LH diversion 30 degree spur discharge (spur not included). Minimum elevation 15 in. (138-ACC) or 16 in. (190-ACC). Note: ACC belt must be opposite discharge side. Widths over 22 in. BR contact Factory.

CYCLES – Up to 40 times per minute.

DRIVE – 1/2 HP motor with AC type variable speed controller. Select 230V, 3 Ph. 60 Hz. or 115V, 1 Ph. 60 Hz.

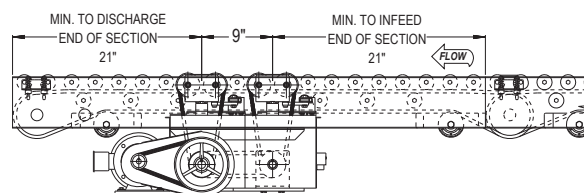
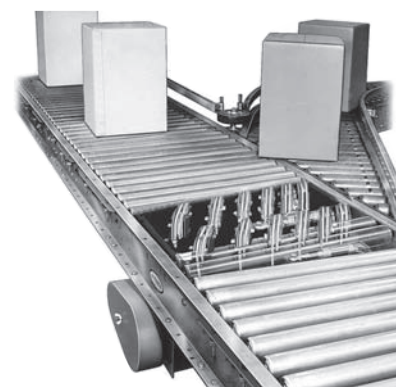
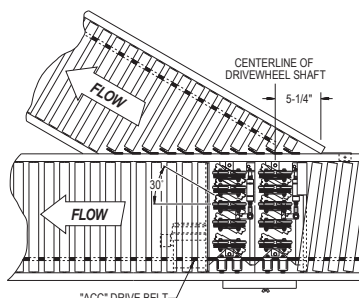
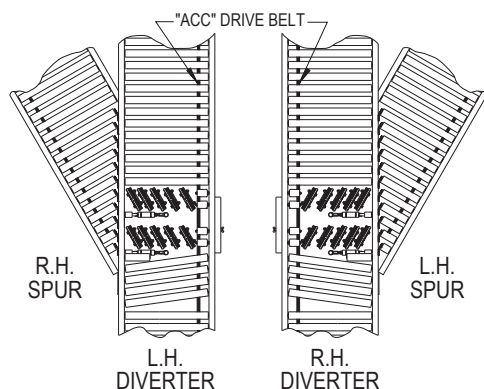
AIR CYLINDER – 1 1/4 in. dia. bore x 1 in. stroke, double acting with internal rubber bumpers both ends.

AIR VALVE – Single solenoid 4-way valve with speed controls, 1/4 in. NPT valve ports. Requires maintained electrical signal of 115V, 1 Ph. 60 Hz. from photo cell, limit switch, etc. (not supplied). Diverter will stay in diverted position until signal is broken. Current consumption is .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI; Maximum 125 PSI. Free air consumption at 60 PSI, .014 cu. ft. per cycle. Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

DOUBLE POWERED PIVOT DIVERTER

The Double Powered Pivot Diverter is designed for use with models 138-ACC and 190-ACC accumulating conveyor. Products are automatically diverted onto adjacent 30-degree spur lines.



Standard Specifications

CAPACITY – 75 lbs. maximum package weight.

PACKAGE SIZE – Minimum 6 in. wide x 9 in. long maximum 34 in. wide x 46 in. long. Note: Small packages must not be top heavy.

DIVERTER SPEED – AC Drive 42 to 420 FPM.

DIVERTER MECHANISM – Four rows of 3 1/8 in. dia. wheels with urethane treads driven by 3/8 in. dia. urethane belts.

MOUNTING – Complete unit bolts to 138-ACC 13 in. to 22 in. BR only or 190-ACC 13 in. to 39 in. BR, RH or LH Diversion 30 degree spur discharge (spur not included). Minimum elevation: 15 in. (138-ACC) or 16 in. (190-ACC). Note: ACC belt must be opposite discharge side. Widths over 22 in. BR, contact Factory.

CYCLES – Up to 40 times per minute.

DRIVE – 1/2 HP motor with AC type variable speed controller. Select 230V, 3 Ph. 60 Hz. or 115V, 1 Ph. 60 Hz.

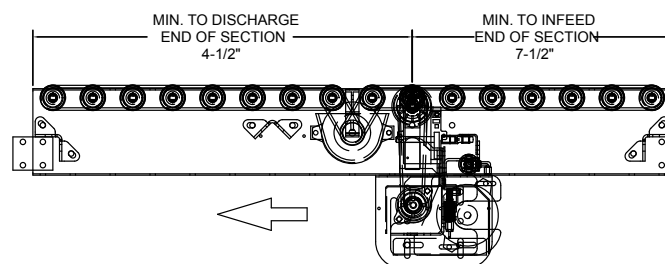
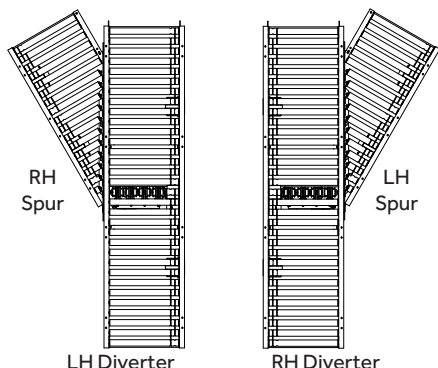
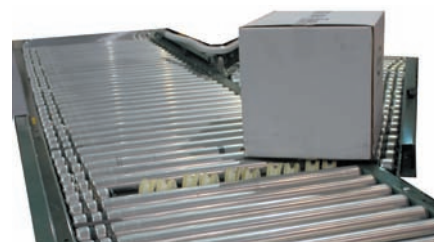
AIR CYLINDER – 1 1/4 in. dia. bore x 1 in. stroke, double acting with internal rubber bumpers both ends.

AIR VALVE – Single solenoid 4-way valve with speed controls. 1/4 in. NPT valve ports. Requires maintained electrical signal of 115 V, 1 Ph. 60 Hz. from photo cell, limit switch, etc. (not supplied). Diverter will stay in diverted position until signal is broken. Current consumption is .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI; maximum 125 PSI. Free air consumption at 60 PSI, .028 cu. ft. per cycle. Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

E24™ SINGLE POWERED PIVOT DIVERTER

The Powered Pivot Diverter is designed for use with models 190-E24 and 190-E24EZ Conveyor. Products are automatically diverted onto adjacent 30-degree spur lines.



Standard Specifications

CAPACITY – 75 lbs. maximum package weight.

PACKAGE SIZE – Minimum 4 in. wide x 6 in. long, maximum 26 in. wide x 36 in. long. Small packages must not be top heavy. Product must be justified to divert side.

DIVERTER SPEED – 50 to 200 FPM set on motor controller

DIVERTER MECHANISM – One row of 3 1/8 in. dia. wheels with urethane treads driven by 3/8 in. dia. urethane belts.

MOUNTING – Complete unit bolts to 190-E24 15 in. to 21 in. BR, RH or LH diversion 30 degree spur discharge (spur not included). Minimum elevation: 14 in. Note: O-rings must be opposite discharge side. Widths over 39 in. BR contact factory.

CYCLES – Up to 40 times per minute.

MOTOR – 24VDC motor, 3 Amps per motor, one each divert bank.

MOTOR CONTROLLER – Controls and protects motor, one each divert bank.

AIR CYLINDER – 1 1/4 in. dia. bore x 2 in. stroke, double acting with internal rubber bumpers both ends.

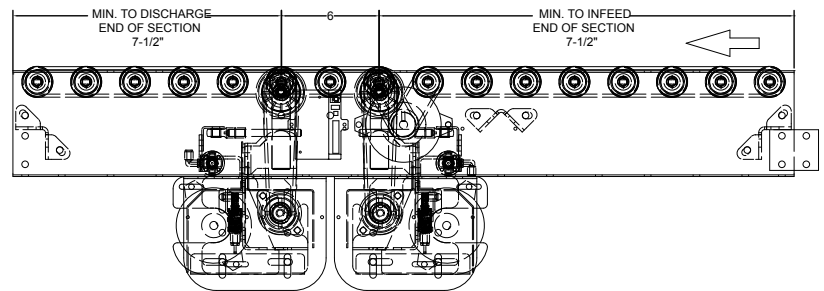
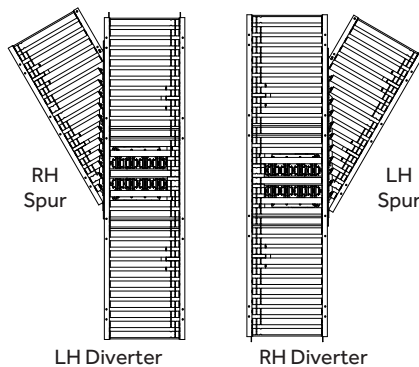
AIR VALVE – Single solenoid 4-way valve with speed controls, 1/8 in. NPT valve ports. Requires maintained electrical signal of 24VDC watt from photo cell, limit switch, etc. (not supplied). Diverter will stay in diverted position until signal is broken. Current consumption is .32 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI; Maximum 125 PSI. Free air consumption at 60 PSI, .032 cu. ft. per cycle.

Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

E24™ DOUBLE POWERED PIVOT DIVERTER

The Double Powered Pivot Diverter is designed for use with models 190-E24 and 190-E24EZ accumulating conveyor. Products are automatically diverted onto adjacent 30-degree spur lines.



Standard Specifications

CAPACITY – 75 lbs. maximum package weight.

PACKAGE SIZE – Minimum 4 in. wide x 6 in. long, maximum 26 in. wide x 36 in. long. Small packages must not be top heavy. Product must be justified to divert side.

DIVERTER SPEED – 50 to 200 FPM set on motor controller.

DIVERTER MECHANISM – Two rows of 3 1/8 in. dia. wheels with urethane treads driven by 3/8 in. dia. urethane belts.

MOUNTING – Bolts to 190-E24 15 in. to 39 in. BR, RH or LH diversion 30 degree spur discharge (spur not included). Minimum elevation: 14 in. Note: O-rings must be opposite discharge side. Widths over 39 in. BR contact factory.

CYCLES – Up to 40 times per minute.

MOTOR – 24VDC motor, 3 Amps per motor, one each divert bank.

MOTOR CONTROLLER – Controls and protects motor, one each divert bank.

AIR CYLINDER – 1 1/4 in. dia. bore x 2 in. stroke, double acting with internal rubber bumpers both ends.

AIR VALVE – Single solenoid 4-way valve with speed controls, 1/8 in. NPT valve ports. Requires maintained electrical signal of 24VDC watt from photo cell, limit switch, etc. (not supplied). Diverter will stay in diverted position until signal is broken. Current consumption is .32 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI; Maximum 125 PSI. Free air consumption at 60 PSI, .064 cu. ft. per cycle.

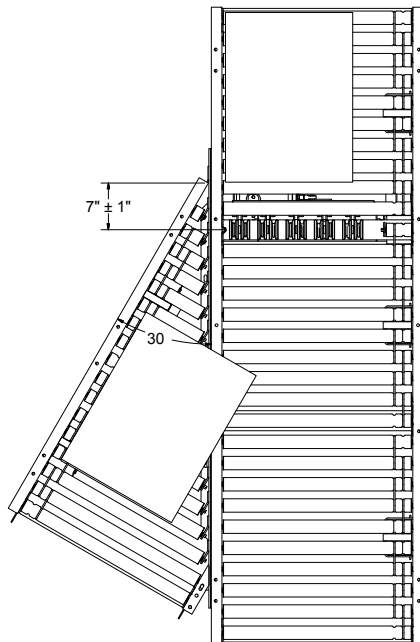
Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

E24™ ELECTRIC POWERED PIVOT DIVERTER

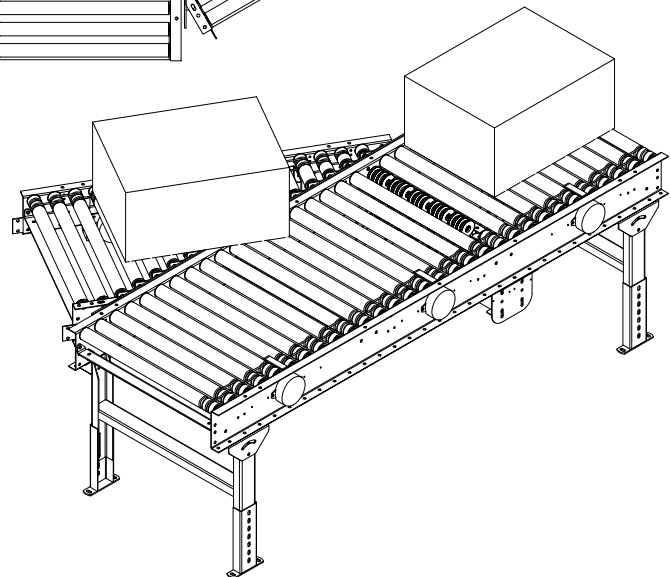
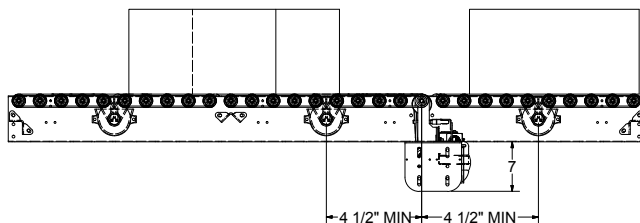
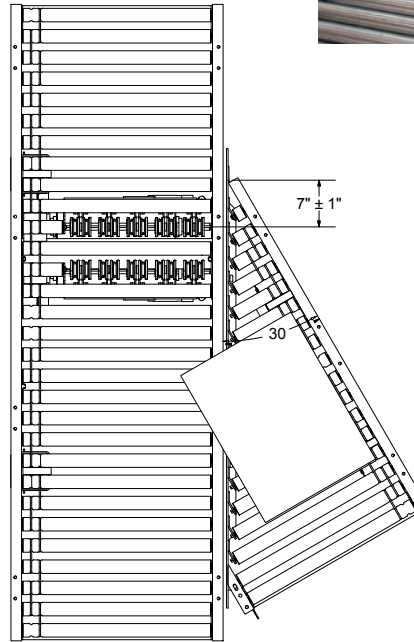
The E24™ Powered Pivot Diverter is designed for use with models E24 and E24EZ Accumulating Conveyor. Products are diverted onto adjacent 30-degree spur lines. The electric linear actuator rotates the diverter sheave assembly to divert at a 30-degree angle. The vertical lift of the sheave assembly allows the diverter to have more control of the package which provides a more positive divert.



RH DIVERTER



LH DIVERTER



Standard Specifications

CAPACITY – 75 lbs. maximum package weight.

PACKAGE SIZE – Minimum 4 in. wide x 6 in. long, maximum 26 in. wide x 36 in. long. Note: Small packages must not be top heavy.

DIVERTER SPEED – 24VDC, 35 to 155 FPM.

DIVERTER MECHANISM – Row of 2 3/4 in. dia. wheels with urethane treads driven by 3/16 in. dia. urethane belts.

CYCLES – Up to 30 cases per minute.

MOTOR – 24VDC motor, 3 Amps per motor.

CONTROLS INPUT – 18 to 24V at 1.9 to 4.2mA.

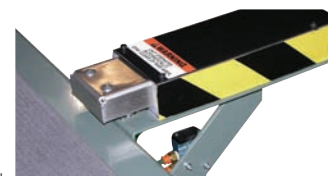
DRIVE CURRENT REQUIREMENTS – 20 to 28VDC 4 Amp.

AVAILABLE WIDTHS – 22 in., 24 in., 26 in., 28 in., 30 in. OAW.

LIGHT-DUTY PUSHER

Hytrol's LD Pusher is a light-duty pusher designed to easily mount to the side on many conveyor models. The LD Pusher provides an economical solution for pushing lightweight products off at a right angle to product flow. Ideally used for reject or inspection stations. The LD Pusher is not designed for high cycle applications.

- 7", 10", or 15" Stroke (Specify)
- Aluminum Pusher Face
- 15 lb. Maximum Carton Weight
- Mounting Hardware (Specify Conveyor Model & Overall Width)
- Less Electrical Controls Required To Actuate Pusher

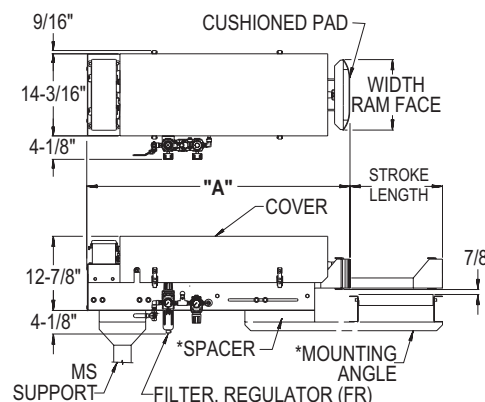


[TECHNICAL MANUAL](#)

HIGH-SPEED PUSHER

The HSP provides high-speed automatic product diversion. Product may be diverted 90 degrees onto another conveyor, chute, etc. Special two-valve pneumatic control system provides smoother operation at speeds up to 45 cycles per minute. Cycle time varies with weight of product and stroke.

[TECHNICAL MANUAL](#)



Standard Specifications

CAPACITY – 75 lbs. maximum package weight.

CYCLES – Up to 45 times per minute. Cycle rate varies with package weight.

STROKE LENGTH – Available in 14 in. to 18 in., 18 in. to 24 in., or 24 in. to 30 in. ranges. May be adjusted for any length within each range.

RAM FACE – 12 in., 18 in., or 24 in. wide, with 1 in. thick cushioned pad.

ELECTRICAL REQUIREMENTS – 120VAC power supply, 120VAC Pulse actuation signal. Note: 24VDC solenoids and switches available.

FILTER, REGULATOR, LUBRICATOR (FRL) – Filter, dual regulator, lubricator with safety shut-off valve, 3/8 in. NPT inlet port.

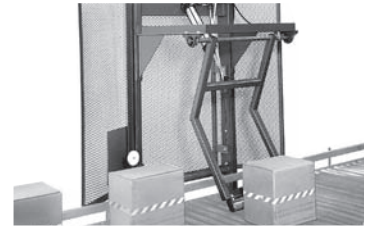
AIR CYLINDER – 1 1/2 in. bore double acting.

AIR VALVES – Double solenoid and single solenoid 4-way valves.

AIR REQUIREMENTS – 40 to 80 PSI. Free air consumption at 60 PSI, .190 cu. ft. per cycle for 14 in. to 18 in. stroke, .247 cu. ft. per cycle for 18 in. to 24 in. stroke, .304 cu. ft. per cycle for 24 in. to 30 in. stroke. Note: Include safety factor when calculating compressor size.

OVERHEAD PUSH-OFF

The Overhead Push-Off provides high speed automatic product diversion. Product may be diverted 90 degrees onto another conveyor, chute, etc. or changed from one lane to another in parallel lines. Overhead design conserves space next to conveyor.



Standard Specifications

CAPACITY – 150 lbs. maximum package weight.

PACKAGE HEIGHT – Min. 4 1/2 in. (20 in. stroke), 6 in. (30 in. stroke); max. 24 in.

CYCLES – Up to 20 times per minute.

PUSHER STROKE – 20 in. or 30 in.

PUSHER FACE – 18 in. long 1.9 in. dia. roller.

ELECTRICAL CONTROLS – Not furnished as standard equipment.

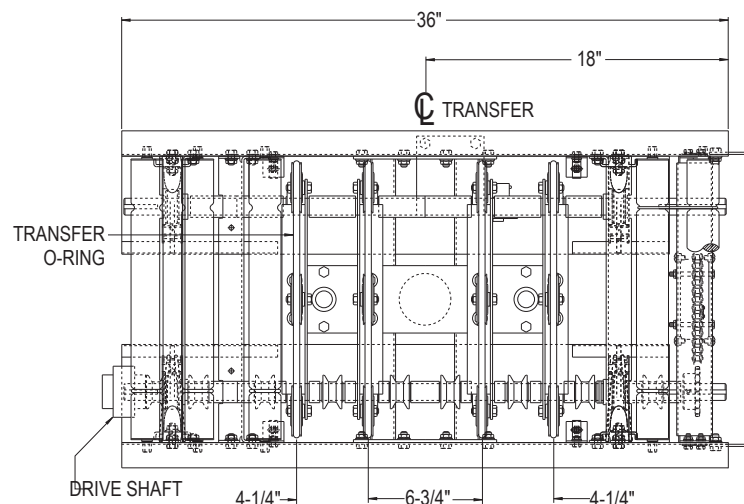
AIR CYLINDER – 2 in. bore double acting.

AIR VALVE – Double solenoid 4-way valve, 1/4 in.; 20 NPT valve ports. Electrical requirements 120V, 1 Ph. 60 Hz., current draw is .09 Amps.

AIR REQUIREMENTS – Min. pressure 60 PSI, max. 125 PSI free air consumption at 60 PSI, .105 cu. ft. per cycle for 20 in. stroke, .176 cu. ft. for 30 in. stroke. Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

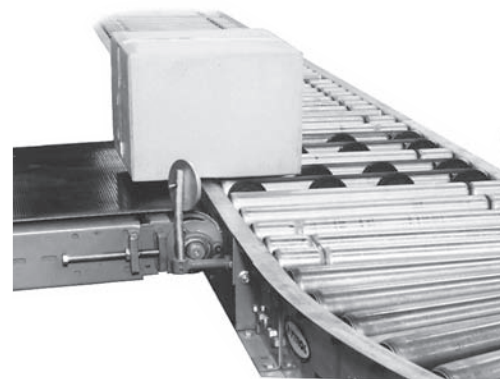
O-RING TRANSFER (BR TYPE)

O-Ring transfers are used to move products at right angles to adjacent or parallel conveyor lines. An air bag lifts the transfer mechanism while powered o-rings transfer the product. Linear bearings are used to guide transfer as it is raised and lowered. Can be used with models 138 and 190-NSP/NSPEZ line shaft conveyors.



190-NSP OAW BR

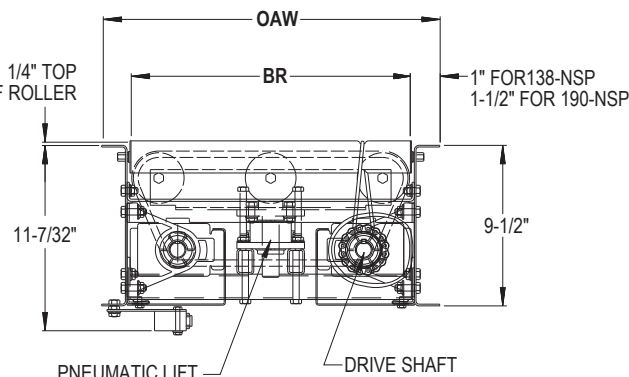
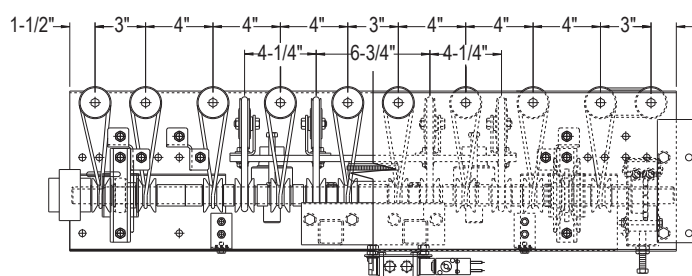
16"	13"
18"	15"
20"	17"
22"	19"
24"	21"
26"	23"
28"	25"
30"	27"
34"	31"
36"	33"
40"	37"
42"	39"



138-NSP OAW BR

15"	13"
18"	16"
24"	22"

Note: No accumulation in transfer section.
1/4 HP per transfer must be included in conveyor HP requirement.



Standard Specifications

CAPACITY – 75 lbs. maximum unit load.

TRANSFER O-RING – 3/8 in. dia. polyurethane o-ring.

TRANSFER SPEED – Not to exceed speed of conveyor.

DRIVE – Transfer is driven from line shaft of conveyor.
Maximum of 4 transfers per drive.

MOUNTING – Mounted in 36 in. long section of 138-NSP, 190-NSP, 138-NSPEZ, 190-NSPEZ with 3 and 4 in. roller centers.

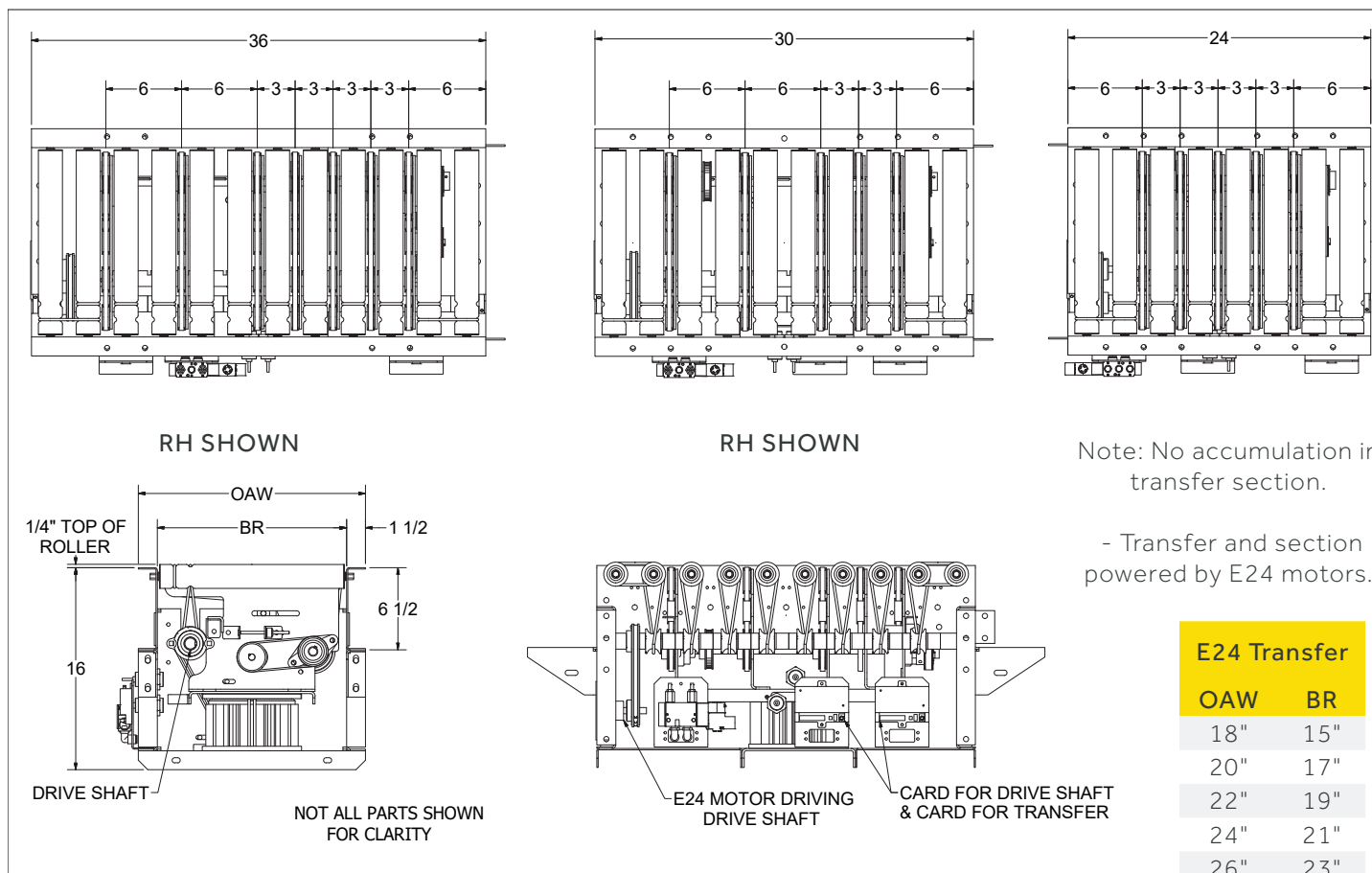
ELECTRICAL CONTROLS – Not furnished as standard equipment.

PNEUMATICS – Air bag (controlled by single solenoid valve) lifts transfer. Requires maintained electrical signal of 115V, 1 Ph. 60 Hz. from photo cell, proximity switch, etc. (not supplied). Transfer will stay in raised position until signal is broken. Current consumption is .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI; Maximum 100 PSI. Free air consumption at 60 PSI, .033 cu. ft. per cycle. Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

E24™ MODULE TIMING BELT TRANSFERS (BR TYPE)

The E24™ Module Transfer is used to move products at right angles to adjacent or parallel conveyor lines. An air cylinder lifts and is used to guide the transfer mechanism as it is raised and lowered while powered. Timing belts transfer the product.



Standard Specifications

CAPACITY – 75lbs. maximum load.

TRANSFER TIMING BELT – 4mm cover by 3/8 in. wide belt.

TRANSFER SPEED – 24VDC, 44 to 200 FPM.

ROLLER SECTION SPEED – 24VDC, 50 to 200 FPM.

DRIVE CURRENT REQUIREMENTS – 24VDC, 5 to 7 Amps.

CYCLES – Up to 40 cycles per minute.

MOUNTING – Mounted in 24, 30, and 36 in. long section of E24, E24EZ with 3 in. roller centers.

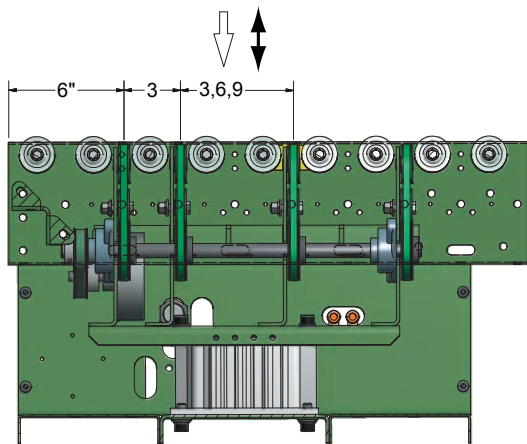
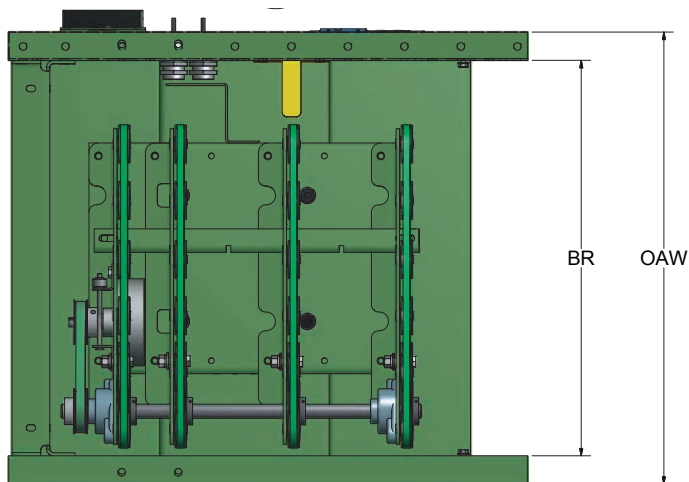
ELECTRICAL CONTROLS – Up/Down Proximity Switches.

AIR CYLINDER – 100 mm Bore X 40 mm Stroke Guide Table.

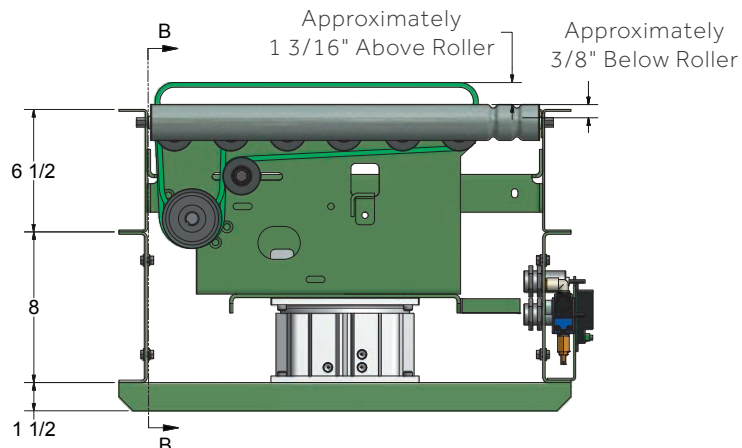
PNEUMATICS – Air cylinder controlled by single 24VDC 4-Way Solenoid Valve, 1/4 in. NPT Port lifts transfer. Free air consumption at 60 PSI .1112 cu. ft. per cycle. Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to the air valve (not supplied as standard).

E24™ TIMING BELT TRANSFER

Timing belt transfers are used to move products at right angles to adjacent or parallel conveyor lines. A table top air cylinder lifts the transfer mechanism while powered timing belts transfers the product. Proximity switches are used to determine the position of the transfer. Can be used with models 190-E24/190-E24EZ conveyors.



Section B-B
Scale 1/4



Note: Bolt-on reflector or diffused accumulation can be used.

190-E24	
OAW	BR
18"	15"
20"	17"
22"	19"
24"	21"
26"	23"
28"	25"
30"	27"
34"	31"
36"	33"
40"	37"
42"	39"

Standard Specifications

CAPACITY – 70 lbs. maximum unit load.

TRANSFER TIMING BELT – 4mm cover belting timing belt.

POWERED – 24VDC Unidrive motor with control card. Transfer to share power with the 190E24.

MOUNTING – First strand can be mounted 6 in. off end of conveyor with 3 in. roller centers.

TRANSFER SPEED – Not to exceed speed of 200 FPM.

ELECTRICAL CONTROLS – Not furnished as standard equipment.

PNEUMATICS – Table top guide cylinder (controlled by single solenoid valve) lifts transfer. Requires maintained electrical signal of 115V, 1 Ph. 60 Hz. from photo cell, limit switch, etc. (not supplied). Transfer will stay in raised position until signal is broken. Current consumption is .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI, maximum 100 PSI. Free air consumption at 60 PSI, .112 cu. ft. extend and .112 cu. ft. for retract per cycle, at 80 PSI, .140 cu. ft. extend and .140 cu. ft. for retract per cycle. Note: To eliminate contaminants in air supply like, a filter/regulator should be installed prior to the air valve (not supplied as standard).

E24™ O-RING TRANSFER

E24™ o-ring transfers are used to move products at right angles to adjacent or parallel conveyor lines. A linkage style or table top air cylinder lifts the transfer mechanism while E24 powered o-rings transfer the product. Prox switches are used to determine the position of the transfer. Can be used with models 190E24/190E24EZ conveyors.

Note: Bolt-on Reflector or Diffused Accumulation can be used.



Standard Specifications

CAPACITY – 70 lbs. maximum unit load.

TRANSFER O-RING – 3/8 in.

POWERED – 24VDC Unidrive motor with control card. Transfer to share power with the 190-E24.

MOUNTING – First strand can be mounted 6 in. off end of conveyor with 3 in. roller centers.

TRANSFER SPEED – Not to exceed speed of 200 FPM.

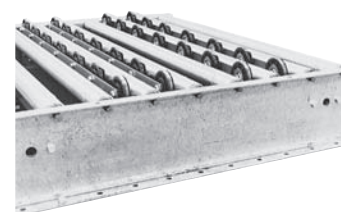
ELECTRICAL CONTROLS – Not furnished as standard equipment.

PNEUMATICS – Table top guide cylinder (controlled by single solenoid valve) lifts transfer. Requires maintained electrical signal of 115V, 1 Ph. 60 Hz. from photo cell, limit switch, etc. (not supplied). Transfer will stay in raised position until signal is broken. Current consumption is .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI, Maximum 100 PSI. Free air consumption at 60 PSI, .112 cu. ft. extend and .112 cu. ft. for retract per cycle, at 80 PSI, .140 cu. ft. extend and .140 cu. ft. for retract per cycle. Note: To eliminate contaminants in air supply like, a filter-regulator should be installed prior to the air valve (not supplied as standard).

REVERSING O-RING TRANSFER (BR TYPE)

Reversing o-ring transfers are used to move products at right angles to adjacent or parallel conveyor lines. An air bag lifts the transfer mechanism while powered o-rings transfer the product. Linear bearings are used to guide transfer as it is raised and lowered. A gearmotor is utilized to operate the reversing mechanism to reverse transfer flow. Can be used with models 138 and 190-NSP/NSPEZ line shaft conveyors.

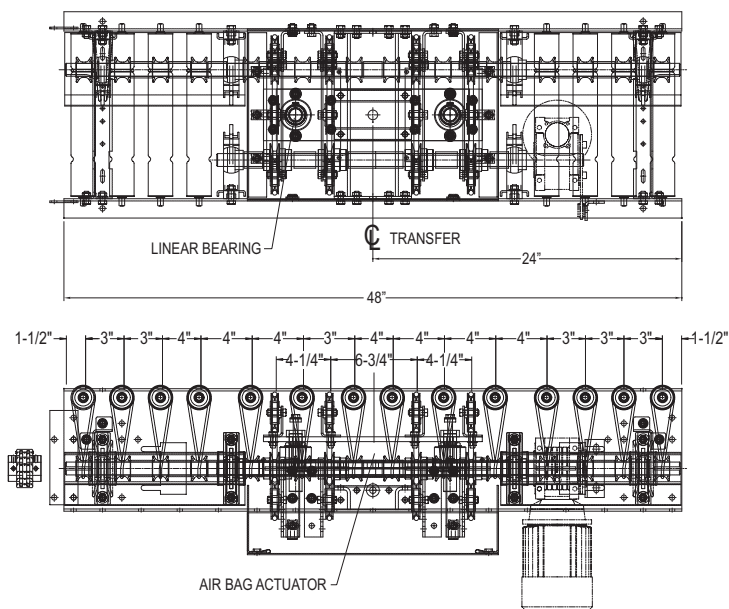
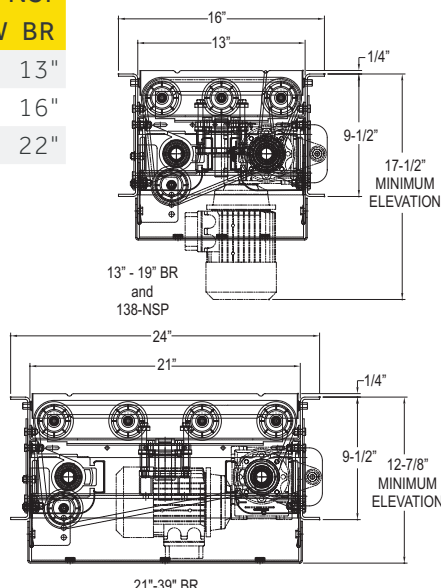


190-NSP
OAW BR

16"	13"
18"	15"
20"	17"
22"	19"
24"	21"
26"	23"
28"	25"
30"	27"
34"	31"
36"	33"
40"	37"
42"	39"

138-NSP
OAW BR

15"	13"
18"	16"
24"	22"



Note: No accumulation in transfer section.

Standard Specifications

CAPACITY – 75 lbs. maximum unit load.

TRANSFER O-RING – 3/8 in. dia. polyurethane o-ring.

TRANSFER SPEED – Not to exceed speed of conveyor.

DRIVE – Transfer is driven from 230/460/3/60, 1/2 HP shaft-mounted gearmotor.

MOUNTING – Mounted in 48 in. long section of 138-NSP, 190-NSP, 138-NSPEZ, 190-NSPEZ with 3 in. and 4 in. roller centers.

ELECTRICAL CONTROLS – Not furnished as standard equipment.

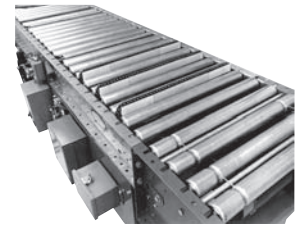
PNEUMATICS – Air bag (controlled by single solenoid valve) lifts transfer. Requires maintained electrical signal of 115V, 1 Ph. 60 Hz. from photo cell, proximity switch, etc. (not supplied). Transfer will stay in raised position until signal is broken. Current consumption is .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 60 PSI, maximum 100 PSI with .038 cu.ft. of free air per cycle at 60 PSI. Note: To eliminate contaminants in air supply line, a filter-regulator should be installed prior to air valve (not supplied as standard).

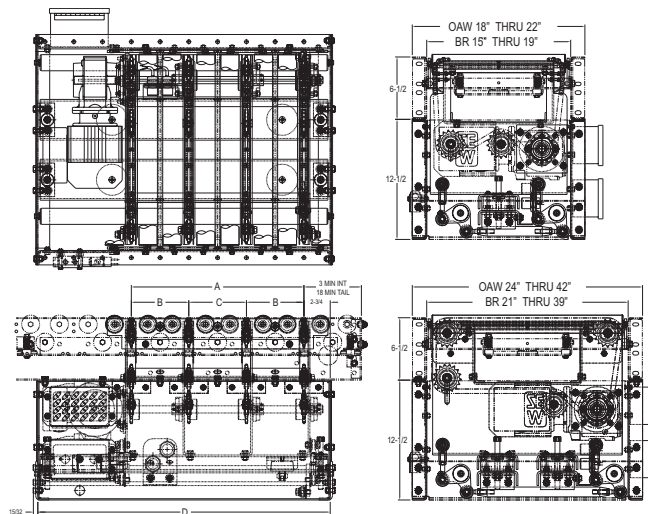
CHAIN TRANSFER (CT 200)

Chain transfers are used to move products at right angles to adjacent or parallel conveyor lines. One air cylinder lifts the transfer mechanism while powered chains transfer the product. Chains run on UHMW polyethylene wearstrips to reduce friction. Complete unit mounts in models ABEZ, 190-ACZ, or 190-LR.

Note: No brakes in ABEZ zone where CT-200 is mounted.



Strand Codes	Strand Qty.	Strand Centers	A	B	C	D
A	2	6	6"	N/A	N/A	18 1/2"
B	2	9	9"	N/A	N/A	21 1/2"
C	2	12	12"	N/A	N/A	24 1/2"
D	3	6, 6	12"	6"	N/A	24 1/2"
E	2	15	15"	N/A	N/A	27 1/2"
F	2	18	18"	N/A	N/A	30 1/2"
G	3	9, 9	18"	9"	N/A	30 1/2"
H	4	6, 6, 6	18"	6"	6"	30 1/2"
J	2	21	21"	N/A	N/A	33 1/2"
K	4	6, 9, 6	21"	6"	9"	33 1/2"
L	2	24	24"	N/A	N/A	36 1/2"
M	3	12, 12	24"	12"	N/A	36 1/2"
N	4	6, 12, 6	24"	6"	12"	36 1/2"
P	4	9, 6, 9	24"	9"	6"	36 1/2"



35 ROLLER TRANSFER

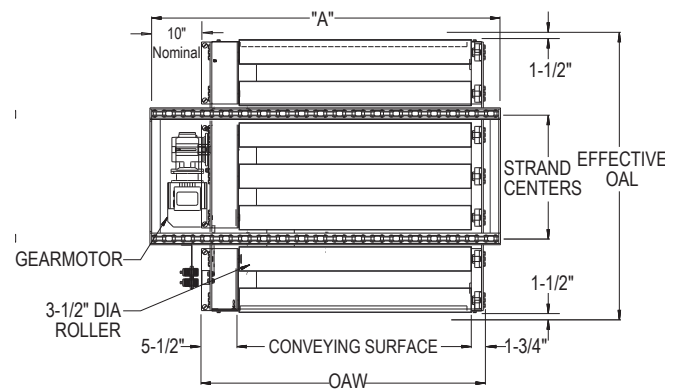
The 35 roller transfer is mounted in a model DC-60 or DCEZ-60 and is used to transfer product from one DC-60 to another DC-60. The 35 roller transfer uses 3 1/2 in. dia x 9 ga. rollers mounted on 6 in. centers. Air bags lift the transfer mechanism. The 35 roller transfer uses a 1/3 HP gearmotor to provide constant 30 FPM.



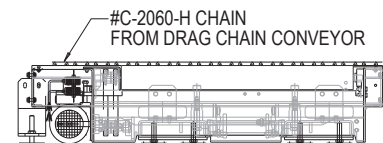
Shown with Optional 2-Strand Drag Chain.

See DC-60 or DCEZ-60 for Drag Chain Specifications.

OAW	Conveying Surface	DIM "A"
41"	33 3/4"	51"
44"	36 3/4"	54"
47"	39 3/4"	57"
50"	42 3/4"	60"
53"	45 3/4"	63"
56"	48 3/4"	66"
59"	51 3/4"	69"
62"	54 3/4"	72"
65"	57 3/4"	75"
68"	60 3/4"	78"
71"	63 3/4"	81"
74"	66 3/4"	84"



Effective OAL	Strand Centers
42"	18"
48"	24"
54"	30"
60"	36"
66"	42"
72"	48"



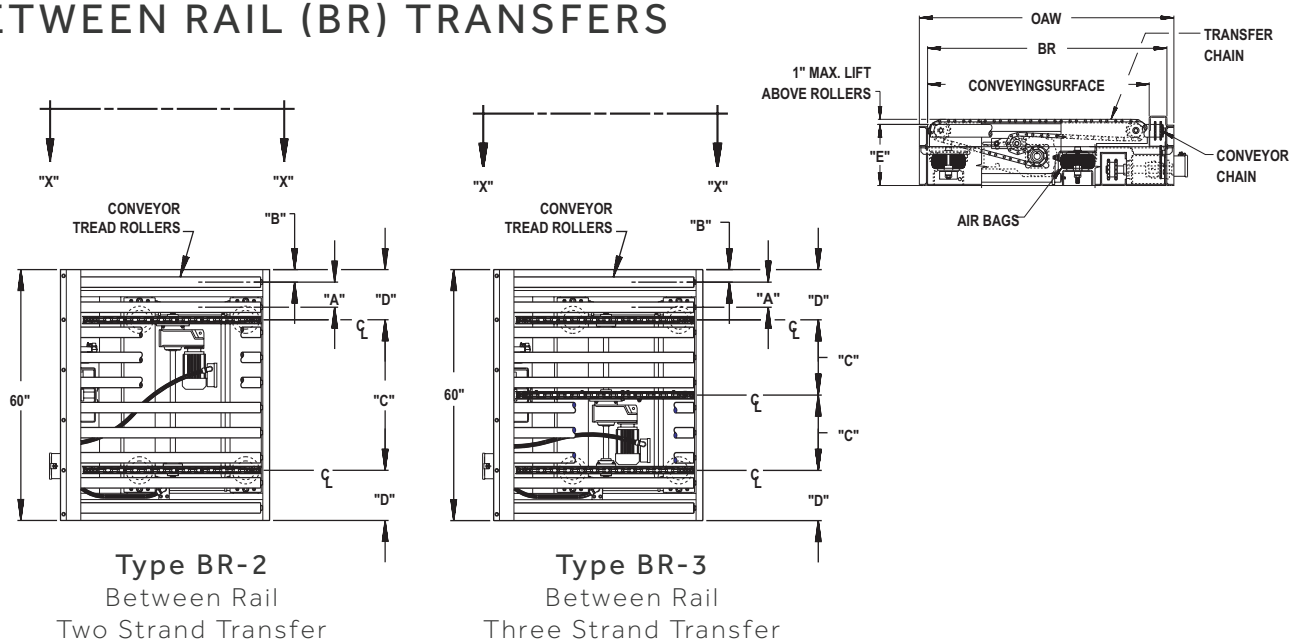
Max. Load: 3000 lbs. at 30 FPM

Note: Extended type and conveyor-to-conveyor type available. Contact factory.

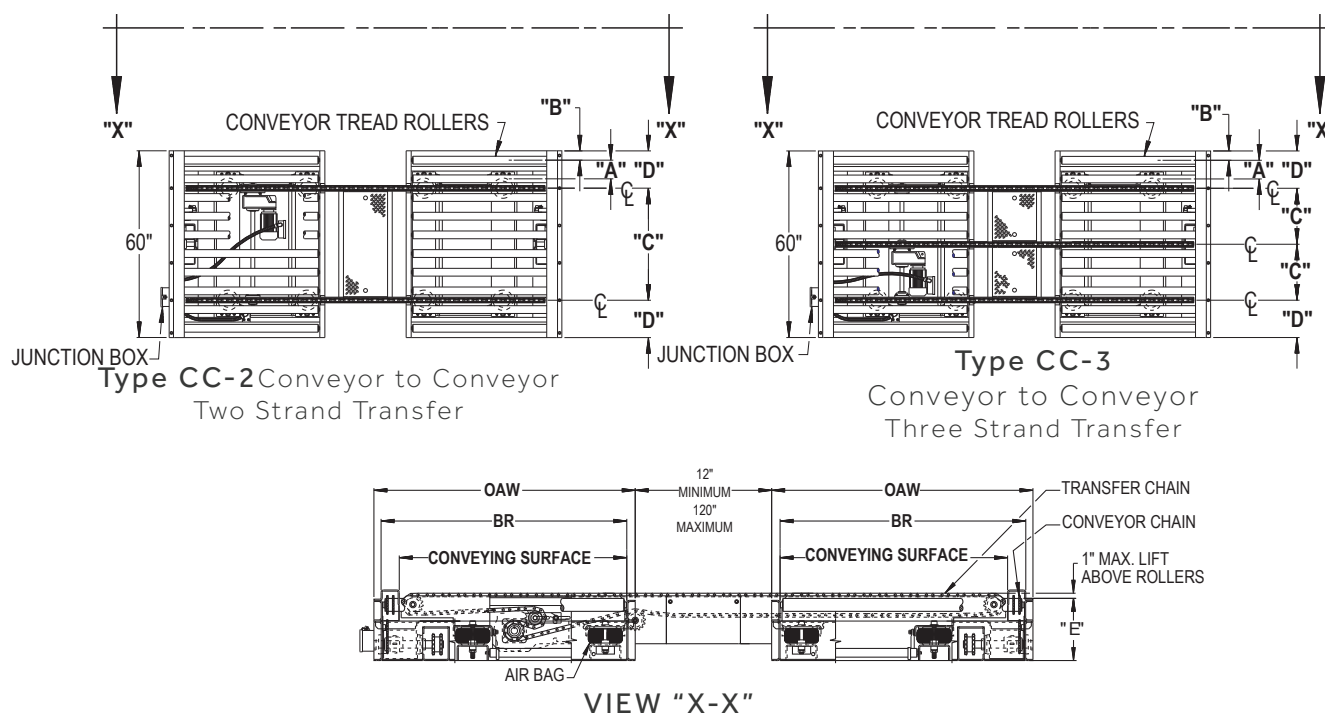
CHAIN TRANSFER

Chain transfers are used to move products at right angles to adjacent or parallel conveyor lines. Air bags lift the transfer mechanism while powered chains transfer the product. Two or three strands of chain are available in either between rail (BR), conveyor-to-conveyor (CC), or extended types. Chains run on UHMW polyethylene wearstrips to reduce friction. Can be used with models 25-CRR, 26-CRR, and 25-CREZD chain driven roller conveyors.

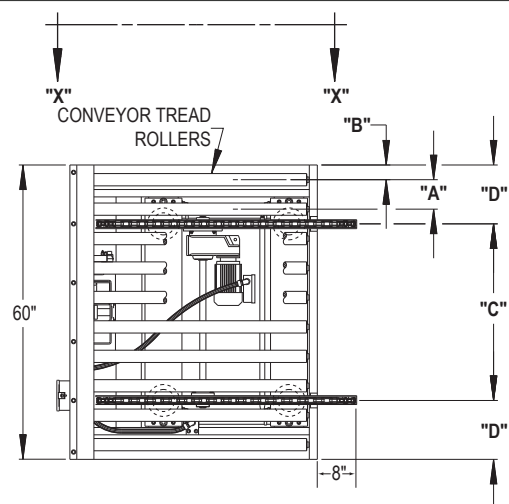
BETWEEN RAIL (BR) TRANSFERS



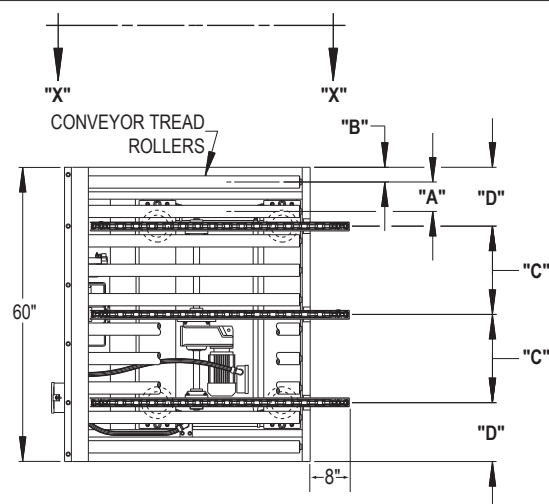
CONVEYOR TO CONVEYOR (CC) TRANSFERS



EXTENDED CHAIN TRANSFERS



Extended Type Two Strand Transfer



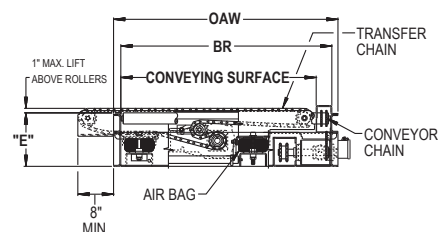
Extended Type Three Strand Transfer

Model	Transfer Chain Size	"A" Roller Centers	"B"	Strand Centers		"D"		"E"	Min./Max. BR's
				Two Strand	Three Strand	Two Strand	Three Strand		
25-CRR	2060 (CT-3000)	5"	2 1/2"	30"	20"	15"	10"		37"-67"
		6"	3"	24"	18"	18"	12"	12"	37"-67"
25-CREZD		6"	3"	24"	18"	12"	12"		—
				36"					
25-CRR	2080 (CT-4000)	5"				Not Available			
				24"		18"			
		6"	3"	36"	—	12"	—	14"	43"-67"
				—	18"	—	12"		47"-67"

Note: Contact factory for transfers to be mounted in 4 in. roller centers.

H.P.	Transfer Chain Size	Max. Unit Load (lbs.)	Free Air Consumption per Cycle "BR" and Extended Type	Conveyor to Conveyor
3/4	C-2060H	3000	.22 SCF @ 100 PSI* (4-airbag system)	.44 SCF @ 100 PSI* (8-airbag system)
1	C-2080H	4000	.22 SCF @ 100 PSI* (4-airbag system)	.44 SCF @ 100 PSI* (8-airbag system)
1/2				

*Consumption ratings at mean sea level (14.7 PSI).



VIEW "X-X"

Standard Specifications

CAPACITY – See Chart #2 for maximum unit loads.

TRANSFER CHAIN – C-2060H or C-2080H double pitch roller chain (see Capacity Chart).

TRANSFER SPEED – 30 FPM (others available contact factory).

DRIVE – 230/460V–3 Ph. 60 Hz. gear motor 3/4 HP for C-2060-H chains. 1 1/2 HP for C-2080-H chains. Wired to outside junction box.

MOUNTING – Complete unit mounts in 60 in. long 25-CRR, 26-CRR, or 25-CREZD conveyor sections. Conveyor sections can be slave driven from tread roller of above models.

ELECTRICAL CONTROLS – Not furnished as standard equipment.

PNEUMATICS – Air bag lifts. Single solenoid 4-way valve with speed control muffler and quick exhaust valve. Requires maintained electrical signal of 115V, 1 Ph. 60 Hz. from photo cell, limit switch, etc. (not supplied). Transfer will stay in raised position until signal is broken. Current consumption: .09 Amps holding.

AIR REQUIREMENTS – Minimum pressure 80 PSI, max. 100 PSI. See Capacity Chart for air bag size and free air consumption. NOTE: To eliminate contaminants in air supply line, a filter-regulator (FR) should be installed prior to air valve (not supplied as standard).

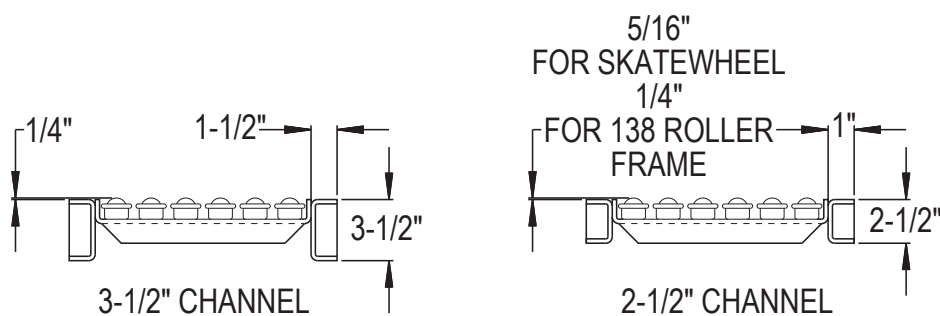
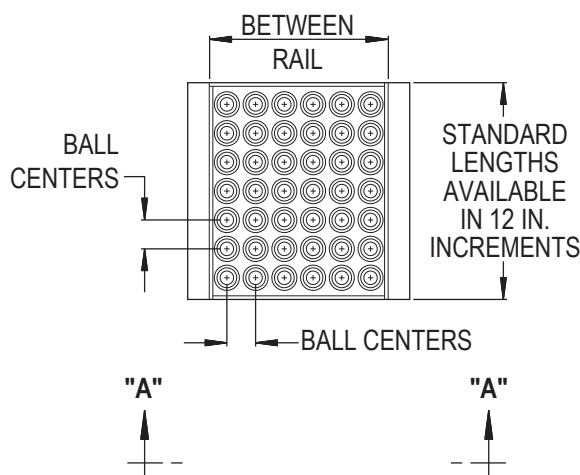
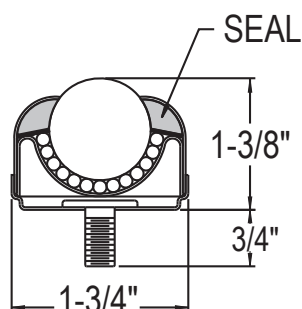
BALL TRANSFER TABLE

The Ball Transfer Table is used when products are required to be manually rotated or correctly positioned, such as a work station or other similar operation that requires quick, easy handling of the product. Ball Transfer Table is also used when more than two conveyor lines converge and packages must be transferred from one line to another.

- 1 in. Ball Casters
- Steel Channel Frame 3 1/2 in. x 1 1/2 in. x 10 ga., 2 1/2 in. x 1 in. x 12 ga. (specify skatewheel or 138 roller type when mounted in 2 1/2 in. channel).



Ball Caster Centers	Between Rail Widths (Weight Per Foot)														
	10"	13"	15"	16"	17"	19"	21"	22"	23"	25"	27"	31"	33"	37"	39"
2"	19.77	25.86	29.15	29.60	32.45	35.72	39.28	41.77	42.27	45.52	48.81	55.35	58.65	65.19	68.48
3"	15.09	18.06	20.57	21.02	21.53	23.99	25.50	26.95	27.45	29.92	32.43	35.85	38.37	41.79	44.30
4"	12.75	15.33	17.45	17.90	18.41	20.48	21.43	21.80	23.55	24.46	26.58	29.61	30.57	33.60	35.72
6"	-	-	-	15.56	16.07	16.97	18.70	19.15	19.665	20.56	22.90	24.15	25.86	27.75	29.48



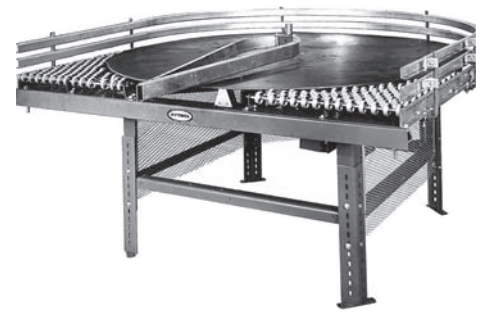
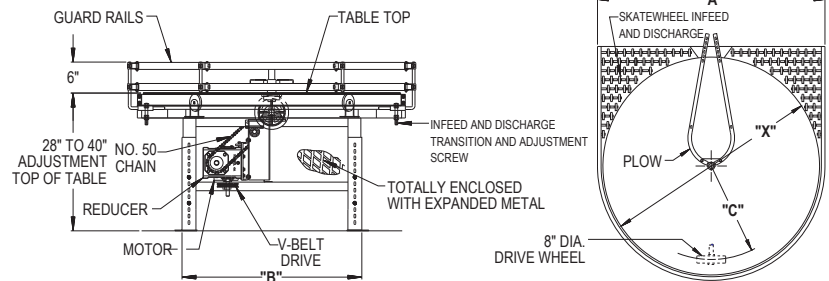
VIEW "A-A"

POWERED TURNTABLE

The Powered Turntable is used when two parallel conveyor lines must be close together with a 180-degree 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 the turn. Unit is reversible and all bearings are sealed. Table top speed at drive wheel is 190 FPM.

- 500 lbs. Total Distributed Load
- 150 lbs. Maximum Unit Load
- 28 in. to 40 in. Adjustable Top of Table
- Motor – 1/2 HP, 230/460V, 3 Ph. 60Hz.
- Chain-Driven Free-Floating Drive Wheel

Weight (lbs.)	Size "X" Dia.	"A"	"B"	"C" Radius	Speed at "C"
635	4'	50 1/2"	32 1/2"	21"	190 FPM
799	5'	62 1/2"	42 1/2"	27"	
945	6'	74 1/2"	47 1/2"	33"	



MANUALLY OPERATED TURNTABLE

The Manually Operated Turntable can be placed in-line with gravity or powered conveyors. Operator can manually reposition turntable to divert pallets, product, etc. to an adjacent conveyor line. Minimum elevation to top of rollers is 8 1/2 in. Other elevations up to 40 in. available.

- Capacity – 600 lbs.
- 1.9 in. Galvanized dia. Rollers Spaced on 3 in. Centers
- Spring-Loaded Handle to Position and Lock Table at 90-Degree Intervals

Section Length

3' Long 4' Long

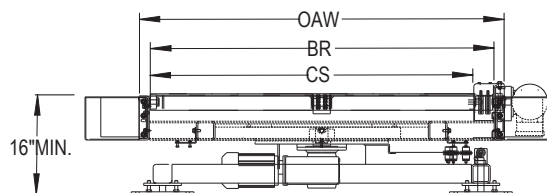
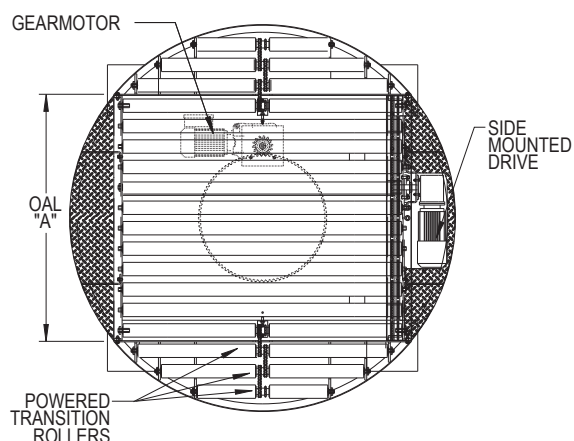
Between Rail Width

19" to 27" 31" to 39"



26-CRPT POWER ROTATED TURNTABLE

The 26-CRPT is used to rotate products up to 360 degrees. The turntable is powered by a shaft-mounted gearmotor complete with variable speed controller for soft start/stop and has proximity switches mounted on the base to sense position and control rotation of product. Turntable speed is 3 revolutions per minute with a 1 HP 460/3/60 gearmotor. An 8-wire collector ring allows unlimited rotation of turntable. Powered transition rollers, mounted on apron of turntable deck, help move product onto and off of turntable. The 26-CRR section has a side mounted drive contained within the turning radius of the turntable. Standard speed is 30 FPM with 1/2 HP 460/3/60 gearmotor. The tread rollers are 2 5/8 in. diameter with 7 gauge wall on 4 in. roller centers and have 2 5/8 in. dia. x .219 wall drive rollers with heavy-duty bearings. Also available; gravity transition rollers; external transition roller sections (mounted to mating conveyors to fill in gap created by radius of turntable). Minimum elevation: 16 inches.



	OAL	OAW	BR	CS	Weight
		44 1/4"	41"	37 3/4"	1990
		46 1/4"	43"	39 3/4"	2108
		48 1/4"	45"	41 3/4"	2226
Available		50 1/4"	47"	43 3/4"	2344
in		52 1/4"	49"	45 3/4"	2462
44"		54 1/4"	51"	47 3/4"	2580
48"		56 1/4"	53"	49 3/4"	2690
52"		58 1/4"	55"	51 3/4"	2816
56"		60 1/4"	57"	53 3/4"	2934
60"		62 1/4"	59"	55 3/4"	3052
		64 1/4"	61"	57 3/4"	3170
		66 1/4"	63"	59 3/4"	3288
		68 1/4"	65"	61 3/4"	3406
		70 1/4"	67"	63 3/4"	3524

All weights in catalog are conveyor weights only. Accessories, crating, etc. are not included.

MANUAL GATE

Manual Gates are available for use with a variety of conveyors. Gates provide a passageway for personnel, lift trucks, and equipment.

- Skatewheel and 1 3/8 in. Roller
- 4 Widths (12 in. to 24 in. OAW)*
- 3 ft., 4 ft., and 5 ft. Lengths*
- Steel or Aluminum, Skatewheels, or Rollers
- 2 1/2 in. x 1 in. Channels; 12 ga. Galvanized Steel or .125 in. Aluminum
- Safety Gate Latch
- 1.9 in. dia. Galvanized Roller
- 12 Widths (13 in. to 39 in. BR)*
- 3 ft., 4 ft., and 5 ft. Lengths*
- 1.9 in. Galvanized Aluminum
- 10 ga. Powder-Painted Steel Channels 3 1/2 in. x 1 1/2 in. (set high) or 4 1/2 in. x 1 1/2 in. (set low)
- Safety Gate Latch

*Maximum width and length determined by roller centers and type of roller. Inquire.



Photo shown is Manual Gate for 1 3/8 in. dia. roller conveyor.

190-E24G

Powered Gate with Die Springs

- 1.9 in. dia. x 16 ga. Galvanized O-Ring; Slaved Rollers in a 6 1/2 in. x 12 Ga. Channel Frame
- Two 24VDC Motors with Control Cards on 4 ft. and 5 ft. Gate or one 24VDC Motor with Control Card on 3 ft. Gate
- Power Supply - 27VDC 4 Amp (Requires 120VAC or 230VAC Single Phase Input Voltage)
- Non-Reversing
- Hinge Mechanism with Die Springs
- 65 FPM Constant Conveying Speed
- Less Floor Supports

Size to Order Overall Length "A"	Between Rail Width											
	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
	Overall Frame Width											
	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
5'	210	220	230	240	250	260	270	280	300	310	330	340
4'	184	194	204	214	224	234	244	254	274	284	304	314
3'	158	168	178	188	198	208	218	228	248	258	278	288

Important Notes

- When ordering: Please specify section to which Gate Hinge Assembly will be attached.
- Gate is one direction only. Contact factory for reversing application.
- 3 ft. OAL gates with 2 in. roller centers require two motors.
- 4 ft. and 5 ft. OAL gates with 2 in. roller centers require three motors.



Optional Equipment

24 volt 5 Amp 460 volt input power supply

GRAVITY DIE SPRING BALANCED GATE ASSEMBLY (3SW, SSR, SAR TYPES)

Spring balanced gates can be used with several types of gravity wheel and roller conveyor. Gates provide a passageway for personnel, lift trucks, and equipment. Tension springs are easily adjusted to provide minimum weight lift.

Photo shown is Spring Balanced Gate for 1 3/8 in. dia. roller conveyor.



3SW-SBG Gravity Die Spring Gate Assembly

Size to Order	Between Rail Width			
	10"	13"	16"	22"
	Overall Frame Width			
	12"	15"	18"	24"
5'	87	92	97	108
4'	80	84	88	97

- Painted Steel Frame (3SW-SBG) or Aluminum Frame (3AW-SBG)
- 16 Wheels per Foot on 12 in. OAW
- 16 Wheels per Foot on 15 in. OAW
- 20 Wheels per Foot on 18 in. OAW
- 28 Wheels per Foot on 22 in. OAW

3AW-SBG Gravity Die Spring Gate Assembly

Size to Order	Between Rail Width			
	10"	13"	16"	22"
	Overall Frame Width			
	12"	15"	18"	24"
5'	67	72	77	88
4'	64	68	72	81

- Hinge Mechanism with Die Springs and Gravity Section
- Latch Mechanism
- Lift Handles on Both Sides
- Less Floor Supports

SSR-SBG Gravity Die Spring Gate Assembly 3 in. Roller Centers

Size to Order	Between Rail Width			
	10"	13"	16"	22"
	Overall Frame Width			
	12"	15"	18"	24"
5'	87	92	97	108
4'	80	84	88	97

SSR-SBG Gravity Die Spring Gate Assembly 1 1/2 in. Roller Centers

Size to Order	Between Rail Width			
	10"	13"	16"	22"
	Overall Frame Width			
	12"	15"	18"	24"
5'	105	112	122	141
4'	94	100	108	123

- Painted Steel Frame
- 1 3/8 in. dia. Galvanized Rollers on 1 1/2 in. or 3 in. Centers
- Hinge Mechanism With Die Springs and Gravity Section
- Latch Mechanism
- Lift Handles on Both Sides
- Less Floor Supports

SAR-SBG Gravity Die Spring Gate Assembly 3 in. Roller Centers

Size to Order	Between Rail Width			
	10"	13"	16"	22"
	Overall Frame Width			
	12"	15"	18"	24"
5'	67	72	77	88
4'	64	68	72	81

SAR-SBG Gravity Die Spring Gate Assembly 1 1/2 in. Roller Centers

Size to Order	Between Rail Width			
	10"	13"	16"	22"
	Overall Frame Width			
	12"	15"	18"	24"
5'	79	83	88	98
4'	74	77	81	89

- Less Floor Supports
- Aluminum Frame
- 1 3/8 in. dia. Aluminum Rollers on 1 1/2 in. or 3 in. Centers
- Hinge Mechanism with Die Springs and Gravity Section
- Latch Mechanism
- Lift Handles on Both Sides

GRAVITY DIE SPRING BALANCED GATE ASSEMBLY (19GSR TYPES)

19GSR-SBG Gravity Die Spring Gate Assembly 3 in. Roller Centers

Size to Order	Between Rail Width											
	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
	Overall Frame Width											
	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
5'	133	139	145	151	157	163	169	175	187	193	205	211
4'	117	122	127	132	137	142	147	152	162	167	177	182

19GSR-SBG Gravity Die Spring Gate Assembly 2 in. Roller Centers

Size to Order	Between Rail Width											
	13"	15"	17"	19"	21"	23"	25"	27"	31"	33"	37"	39"
	Overall Frame Width											
	16"	18"	20"	22"	24"	26"	28"	30"	34"	36"	40"	42"
5'	161	168	175	182	187	196	203	210	224	231	245	252
4'	144	151	158	165	172	179	186	193	207	214	228	235

- Painted Steel Frame
- 1.9 in. dia. Galvanized Rollers on 2 in. or 3 in. Centers
- Hinge Mechanism with Die Springs and Gravity Section
- Latch Mechanism
- Lift Handles on Both Sides
- Less Floor Supports

POWERED CONVEYORS

Important application information for zero-pressure conveyors. When applying any zero-pressure conveyor, a number of factors must be considered for the conveyor to operate properly.

PRODUCT WEIGHT

138-NSPEZ - Maximum load 10 lbs. per driven roller. No minimum weight requirement.

190-NSPEZ - Maximum load 15 lbs. per driven roller. Minimum load 1 lb. per foot of conveyor. No minimum weight requirement.

ABEZ - Maximum load per linear foot of conveyor is 150 lbs., NOT TO EXCEED the capacity shown in catalog. No minimum weight requirement.

190-E24EZ - Maximum load of conveyor is 50 lbs. per zone, NOT TO EXCEED the capacity shown in Hytrol's general catalog. No Minimum weight requirement

25-LREZ - Maximum load per linear foot of conveyor is 1000 lbs., NOT TO EXCEED 4000 lbs. unit load or total load capacity shown in Hytrol's general catalog.

199-CREZD - Maximum unit load 1250 lbs. at 35 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in Hytrol's general catalog.

25-CREZD - Maximum unit load 3000 lbs. at 30 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in Hytrol's general catalog.

36-CREZD - Maximum unit load 5000 lbs. at 26.5 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in Hytrol's general catalog.

PLEZD - Maximum unit load 2000 lbs. at 38 FPM (1/2 HP maximum). NOT TO EXCEED CAPACITY shown in Hytrol's general catalog.

DCEZ-60, DCEZ-63 - Maximum load 6000 lbs. at 30 FPM (1 1/2 HP maximum). NOT TO EXCEED CAPACITY shown in Hytrol's general catalog.

DCEZ-82, DCEZ-83 - Maximum load 6000 lbs. at 30 FPM (2 HP maximum). NOT TO EXCEED CAPACITY shown in Hytrol's general catalog.

MINIMUM PRODUCT LENGTH

Minimum product length on zero-pressure package handling conveyors should be three times the tread roller spacing. Based on the standard roller spacing of 3 in., this would be 9 in.

Minimum product length on zero-pressure pallet handling conveyors should be four times the tread roller spacing.

MAXIMUM PRODUCT LENGTH

Maximum product length on zero-pressure package handling conveyors should be 3 in. less than the zone length. There will be no gaps between products if the product length equals the zone length.

Maximum product length on zero-pressure pallet handling conveyors should be 6 in. less than the zone length.

PRODUCT WIDTH

Product not to be wider than the Between Rail Width of the conveyor on zero-pressure package handling conveyor. Note: Product clearance must be checked if zero-pressure curves are used in the application.

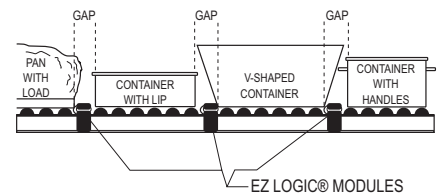
CONDITION OF PRODUCT BOTTOM

A firm flat bottom is required on product. A soft or irregular

bottom may cause hang-up. If the load exceeds 50 lbs. per foot, product should have a rigid bottom. Pallet type products must have a conveyable surface with runners in the direction of travel.

PRODUCT SHAPE

Containers with handles, product overhang, or of v-shaped design may leave gaps at sensor (see illustration below). If sensor is not depressed, or blocked, in the case of photoelectric sensors, a pressure build-up will occur.



PRODUCT FLOW

All of Hytrol's zero-pressure conveyors are designed for one direction conveying only. For reversing, contact factory.

CONVEYING SPEED

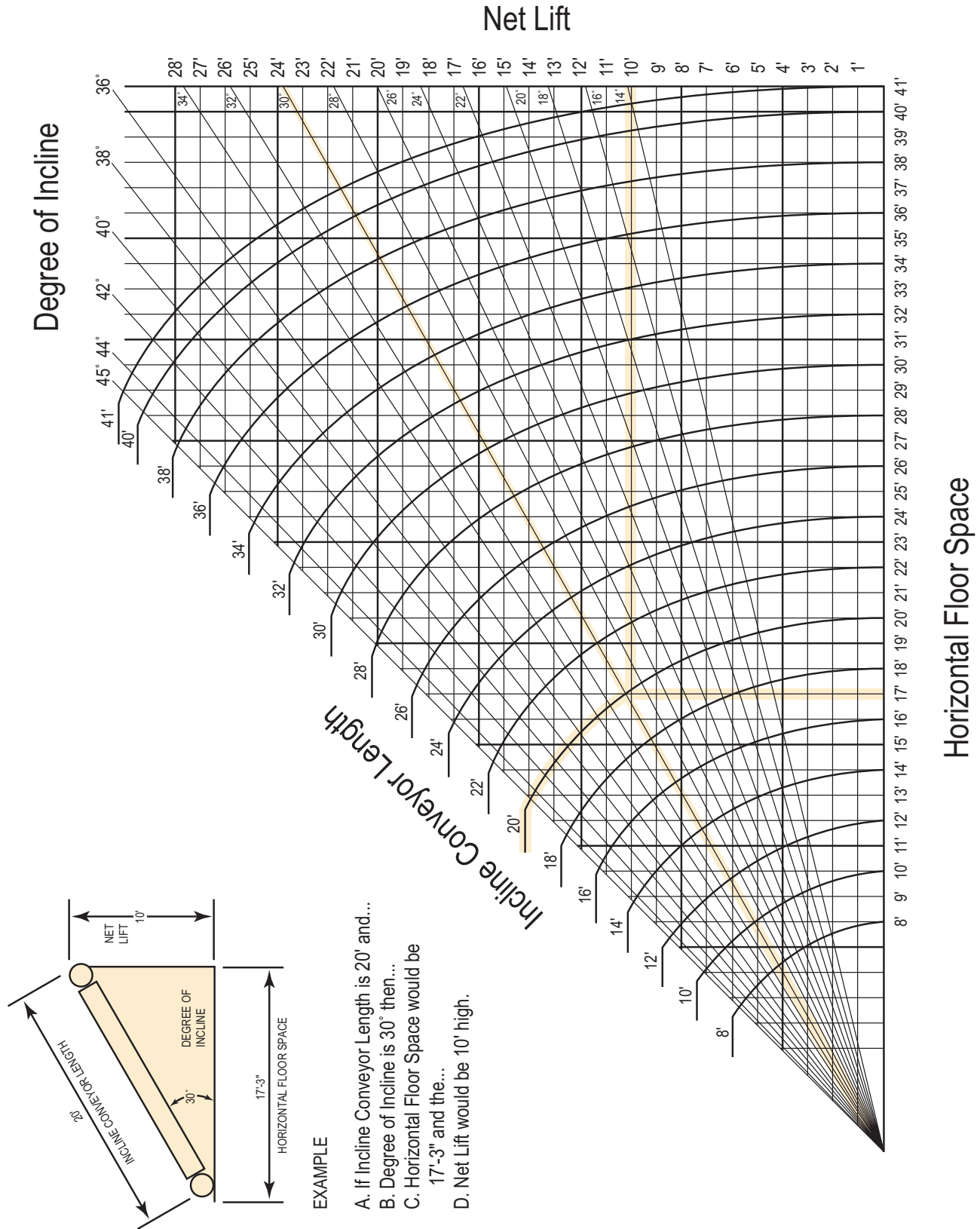
Speeds other than the standard speed listed in the specifications for each conveyor will affect the accumulation feature of the conveyor.

BED LENGTHS

Bed lengths are supplied in multiples of zone length. Because of special design equipment, standard bed lengths must be used to make up Overall Conveyor Length. Adjoining conveyors should be altered to fit layout requirements.

INCLINE LIFT GUIDE

Incline Lift Guide Powered Belt Conveyors

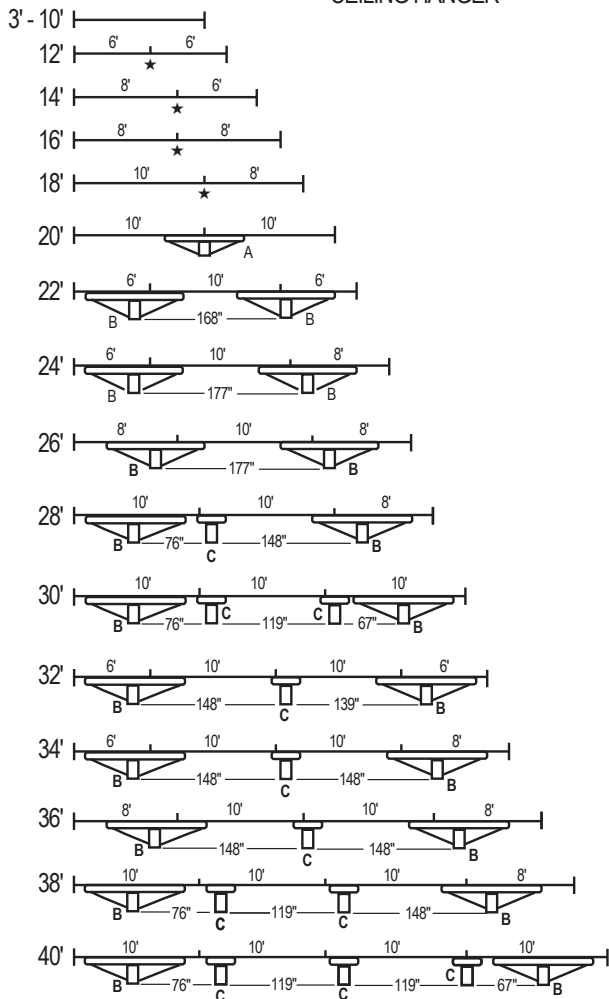


M-58 BED AND UNDERTRUSSING INFO

Model C

BED LENGTH INFEED
"L" END

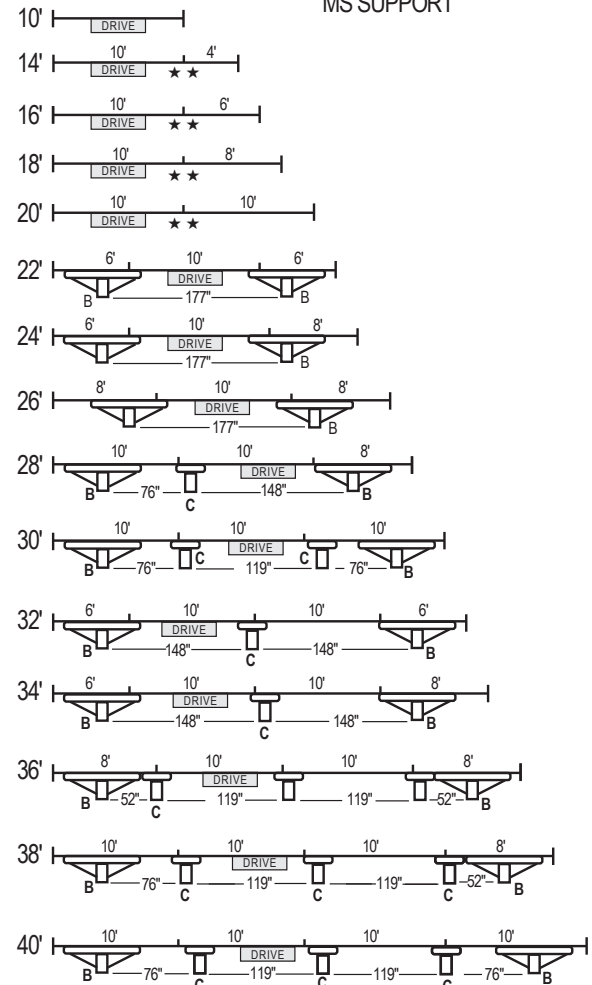
★ JOINT SUPPORT ANGLE,
MS SUPPORT OR
CEILING HANGER



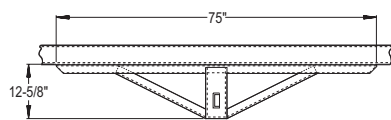
Models RBI & SBI

BED LENGTH INFEED
"L" END

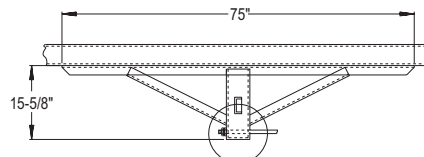
★★ CEILING HANGER
OR
MS SUPPORT



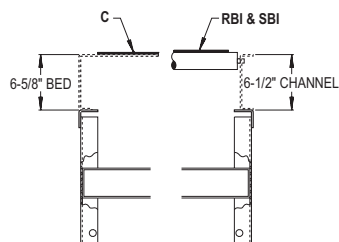
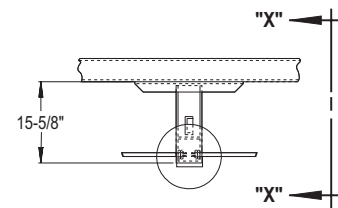
"A" Joint Support



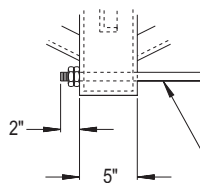
"B" End Bracket



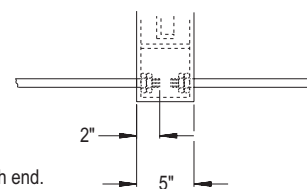
"C" Intermediate Bracket



Section "X-X"



TRUSS RODS—3/4 in. dia., threaded 6 in. on each end.
Lengths are shown above.





APPLICATION INFORMATION SHEET

DATE _____ CUSTOMER _____
IP _____ ADDRESS _____
SALESPERSON _____

1 2 3 4 5 6 7
LENGTH MODEL BELT WIDTH OAW & RLR. CTR. SUPPORT & ELEV. SPEED MOTOR

8 TYPE OF ITEM HANDLED:

____ Drums ____ Cartons
____ Wood Boxes ____ Rolls of Paper
____ Tote Pans ____ Rolls of Cloth
____ Crates ____ Bags
____ Baskets ____ Bundles
____ Pallets Other: _____

15 CONVEYOR WILL BE USED:

Hrs. per Day: _____
Days per Week: _____

9 GIVE SIZE, WEIGHT, AND COLOR OF ALL PRODUCTS

Product Size			Weight	Color
Length	Width	Height		

10 WILL THERE BE SHOCK LOADING?

Yes ____ No ____

17 PAINT FINISH:

State color if other than standard Hytrol Green
Powder-Paint. _____

11 RATE OF ITEMS PER HOUR: _____**18** SPECIAL MOTORS OR DRIVES:

Brand _____
Voltage _____
Phase _____
Cycles _____
Totally enclosed ____ Explosion proof ____
(Class ____ Gp. ____ Div. ____)
Energy efficient ____
Easy clean ____

12 TOTAL LIVE LOAD:

_____ lbs.

19 CONDITIONS SURROUNDING CONVEYORS:

Excessive or abrasive dust ____
Moisture or humidity ____
Corrosive ____ (type _____)
Operating temperature ____
Oil ____
Other: _____

13 WILL CONVEYORS BE STOPPED
AND STARTED UNDER FULL LOAD?

Yes ____ No ____

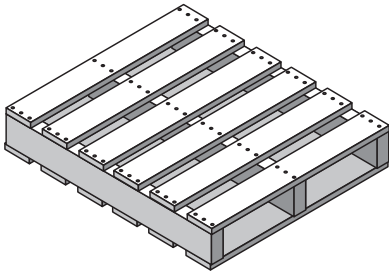
GENERAL CONVEYOR APPLICATION (IMPORTANT):

14 MAXIMUM NUMBER OF STARTS PER MINUTE: _____

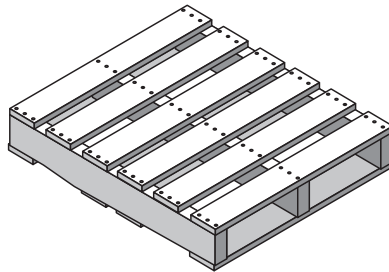
PLEASE SUPPLY SKETCH FORM REVISED JANUARY, 2003

PLEASE MARK THE STYLE OF WOOD PALLET USED:

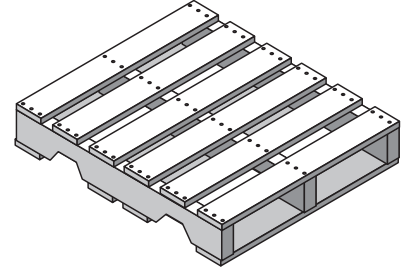
☐ Double-Face Reversible



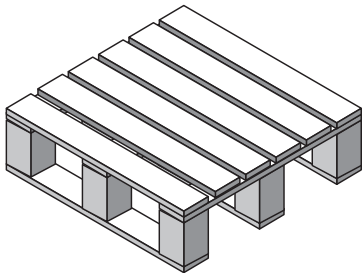
☐ Double-Face Non-Reversible



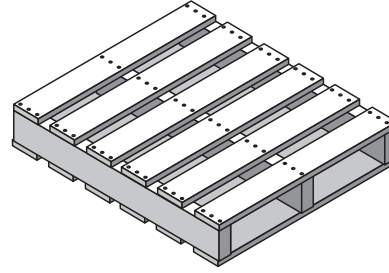
☐ 4-Way Notched Stringer



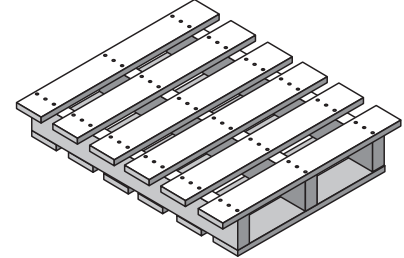
☐ 4-Way Block



☐ Double-Wing Reversible

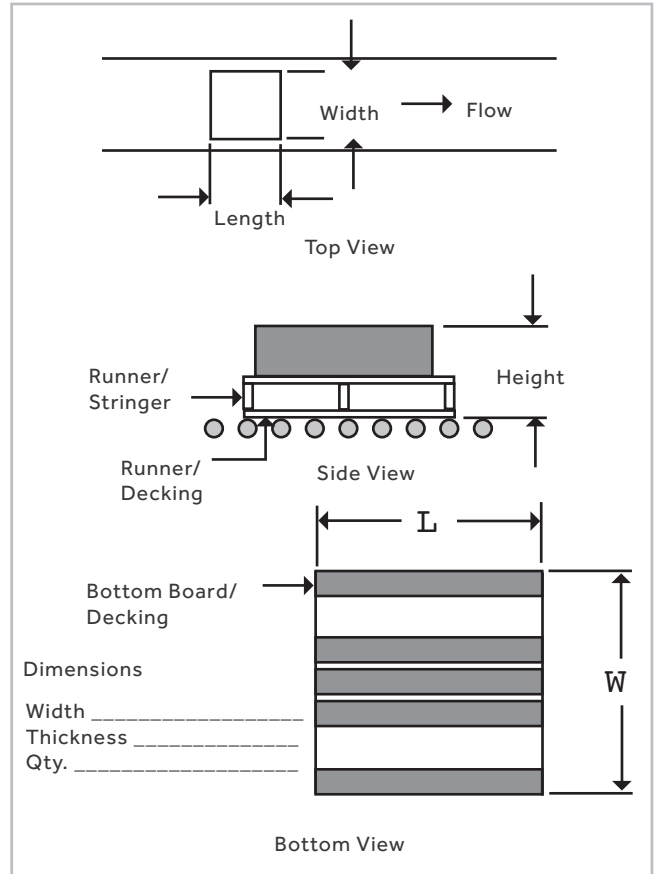


☐ Single-Wing Non-Reversible



If your pallet is not represented above, please provide a sketch below:

SKETCH





SORTER QUESTIONNAIRE

DATE _____ CUSTOMER _____

IP _____ ADDRESS _____

SALESPERSON _____

- 1** PRODUCT DESCRIPTION:
- ____ Cartons ____ DVDs
____ Polybags ____ Totes
____ Mail "flats" Other _____
____ CDs

- 8** BARCODE:
- Type _____ Resolution _____
Size _____ Location _____

- 2** GIVE SIZE, WEIGHT, AND COLOR OF ALL PRODUCTS

	Product Size			Weight
	Length	Width	Height	
MIN				
AVG				
MAX				

- 9** WHAT DETERMINES THE LANE TO WHICH THE PRODUCT WILL BE DIVERTED?

- 3** RATE OF ITEMS PER MINUTE: _____

- 10** Interface: _____
WMS: _____
I.T. System: _____
Not Required: _____
CONTROLS SUPPLIED BY:
Hytrol _____
Other _____

- 4** NUMBER OF DIVERTS REQUIRED: _____
Single Sided Divert _____
Double Sided Divert _____

- 11** DOES THE PRODUCT NEED TO MAINTAIN ORIENTATION WHEN IT IS DIVERTED OFF THE SORTER?
Yes _____ No _____

- 5** CONVEYOR WILL BE USED:
Hrs. per Day _____
Days per Week _____

- 12** SPEED OR CPM ON THE INFEED CONVEYOR(S):

- 6** CONVEYOR ELEVATION: _____
On a Mezzanine? Yes _____ No _____
Mezzanine Elevation: _____

- 13** VOLTAGE REQUIREMENTS: _____

- 7** CAN PLASTIC TRAYS OR TOTES BE USED FOR NON-CONVEYABLE ITEMS?

Yes _____ No _____

- 14** ENVIRONMENTAL CONDITIONS OR OTHER NEEDED INFO:

PLEASE SUPPLY SKETCH