

## 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



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

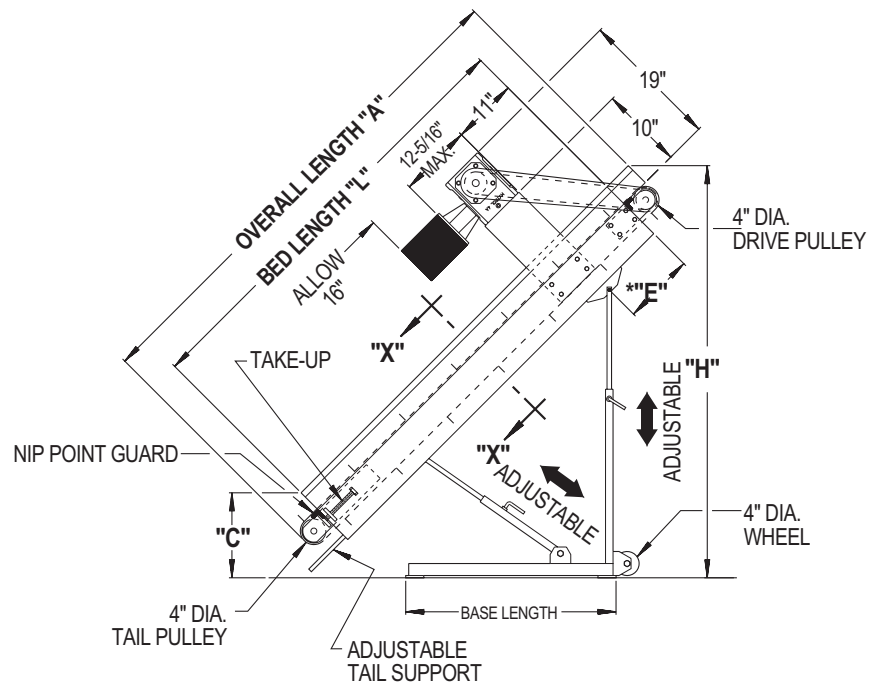
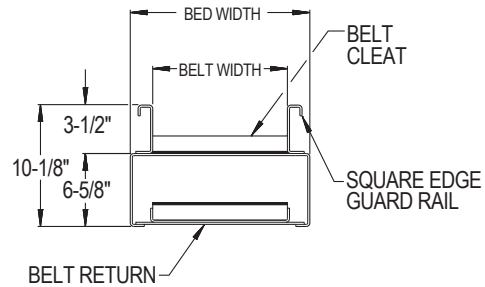
All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

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.



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## 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.