



## Professional Packaging Systems

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# Roach 450BOS Box Style Slider Bed Belt Conveyor, Round End Plates

## At a Glance

- Smooth box style for workers beside the conveyor
- Round end plates
- Great for packing, testing, inspecting and various assembly line operations

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.



## Box Style Slider Bed Belt Conveyor

The Roach 450BOS slider bed belt conveyor is one of the most popular and common means of transporting goods for packing, testing, inspecting and a variety of assembly line operations. The 450BOS features a box style slider bed, ideal for workers stationed alongside the conveyor.

## Specifications

**Belting:** PVC-120 black.

**Drive Pulley:** 4" dia. with 1-3/16" dia. shaft or 8" dia. with 1-7/16" dia. shaft, both machine crowned and fully lagged.

**Tail Pulley:** 4" dia., machine crowned, with 1-3/16" dia. shaft.

**End Drive:** Allows one-direction (unit) operation; add optional center drive for reversible application.

**Take-Up:** Belt take-up provided at tail pulley with screw type unit.

**Safety Pop-Out Roller:** Standard on both ends, 1.9" dia. x 16 ga. steel roller, model 196S.

**Bearings:** All pulley bearings are precision, heavy duty, lubricated, ball bearing units with cast iron housings.

**Bed:** 4-1/2" deep x 12 ga. box type construction with bed pan braces (30" OAW and above) and round style end plates.

**Belt Speed:** 60 FPM, constant.

**Motor Drive:** 1/3 HP, 230/460/3, 60 cycle, ODP right angle gear motor.

**Roller Chain:** Drive pulley is driven by No. 50 roller chain for 1-1/2 HP or less and No. 60 chain on larger drives. Chain take-up provided on motor base.

**Return Rollers:** 1.9" dia. 16 ga. steel, model 196S, adjustable.

**Electrical Controls:** Optional.

## Options

**Belting:** Black PVC ruff-top; 3-ply brown neoprene ruff-top; PVC-120 white food grade COS; PVC-150 black COS; 3-ply CN 40 urethane cover.

**Center Drive:** Reversible drive with integral belt take-up of 24". Specify location. Center drive option available on units 6'-0" long and above.

**Side Mounted End Drive:** Provides minimum conveyor height of 10" TOB (4" dia. drive pulley); 12" TOB (8" dia. drive pulley).

**Overhead End Drive:** Provides minimum conveyor height of 8" TOB (4" dia. drive pulley); 10" TOB (8" dia. drive pulley).

**Nose-Over:** Provides smooth transition from incline to horizontal position. Single nose-over adjusts 0-20°; double nose-over adjusts 0-35. Feeders also available.

**Belt Speed:** Constant speed 10-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available. Note: Capacity changes with speed.

**Auxiliary Take-Up:** Provides 24" of belt take-up. Specify location.

**Side Tables:** Available in 9", 15" and 21" widths (14 ga.) one or both sides.

**Undertrussed Bed:** Available to provide clearance underneath unit at bed joint locations. Specify location for under-trussing and desired clearance underneath unit.

**Motors:** Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

**Floor Supports:** Supports, knee braces, casters and polytier supports available.

**Ceiling Hangers:** 5/8" dia. threaded rod with hardware to attach rods to conveyor. Provides 6' clearance between ceiling and TOB (furnished in place of floor supports).

**Guard Rails:** 1-3/4" x 1" formed channel (model GC), adjusts horizontally to 10" wider than belt and vertically to 6" above belt; formed steel fixed (model FSG) in 2", 4", 6", 8", 12", and 18" heights; fixed channel (model FC); 1-1/2" angle (model GA1-1/2).

**Electrical Controls:** Magnetic starter (one direction or reversible); One direction manual starter; Momentary start/stop push button station; Forward / reversing / stop push button station. Mounting and pre-wiring for units up to 12' long.

Please [contact Pro Pac](#) or call 888-318-0083 for your conveyors.

## Horsepower & Drives

HP @ 60 FPM	A MAX		B MAX	
	4" Drive	8" Drive	4" Drive	8" Drive
1/3	13-13/16"	13-13/16"	29-3/32"	32-3/32"
1/2	13-13/16"	13-13/16"	29-3/32"	32-3/32"
3/4	14-3/16"	14-3/16"	29-23/32"	32-23/32"
1	14-1/2"	14-1/2"	30-15/32"	33-15/32"
1-1/2	15-9/16"	15-9/16"	32-19/32"	35-19/32"
2	16-7/16"	16-7/16"	33-19/32"	36-19/32"

## Roach 450BOS Conveyor Lengths & Unit Weights

Conveyor Length		10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	Deduct
BELT	BED	Unit Weights (lbs)										Per Foot
6"	10"	203	295	387	479	571	663	755	847	939	1031	9
12"	16"	263	395	528	660	793	925	1058	1190	1323	1455	13
18"	22"	323	496	669	842	1015	1188	1361	1534	1706	1879	17
24"	28"	383	596	810	1023	1237	1450	1663	1877	2090	2304	21
30"	34"	443	697	951	1205	1458	1712	1966	2220	2474	2728	25
36"	40"	503	797	1092	1386	1680	1975	2269	2563	2858	3152	29

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