



## Magnetic Washdown Can Conveyors

Bunting® has been designing and building magnetic washdown can conveyors for 40 years. The high capacity conveyors are designed for high speeds, magnetic control and stability. The conveyors are designed with 300 series stainless steel and washdown motors for both mattop and fabric belted applications.



I = Infeed Elevation (see table)  
 Y = Discharge Elevation\*  
 X = Horizontal Extension  
 L = Overall Conveyed Length  
 A = Angle of Incline  
 D = \_\_ Horizontal Side Seep Exit, D=9"  
 \_\_ End Exit, D=0"  
 \_\_ Incline Side Sweep Exit  
 OAL by Engineering (OAL=C+L+D)

Incline	B=	C=	I=**
30°	18"	I x 1.732	12.5"
45°	25.5"	I	14"
60°	31.25"	I x .577	16"
75°	34.75"	I x .268	16.5"
90°	36"	0	17"

### STANDARD SPECIFICATIONS

**Angle of Incline:** Standard inclines are horizontal and 30, 45, 60, 75, and 90 degrees.

**Dimensions:** 8" wide x 10" deep frame. 18" long horizontal drive section on incline nose-over conveyors. Additional horizontal extensions are available as required.

**Frame Construction:** Formed channel-framed sides of 11 ga stainless steel with 10 ga stainless steel cross supports, fully welded for joint free integrity and ease of cleaning. Flanged and bolted frame component sections are available for quick and easy retrofitting.

**Magnetic Element:** BM700 Series, with multiple strengths to match your application. Matching decreasing-force take-off rails are used for reliably smooth transfer out of the magnetic field. For over-the-top vertical elevators, matching magnetic head pulleys are available.

**Drive and Mounting:** 230/460V, 3 ph, 60 Hz, heavy-duty TEFC TAGH constant speed motor. Standard top mounted motor is supported on a heavy-duty stainless steel structural weldment and includes a stainless steel drive guard. Optional motor count configurations, washdown service motor and variable speeds are available upon request.

**Drive Pulley:** 8" diameter x 4" face width, crowned with vulcanized lagging. Larger diameters are available for extra long conveyor runs or heavy belt loading. Drive shaft is 1" diameter stainless steel. Bearings are self-aligning, heavy-duty, sealed precision ball bearings in a nonmetallic composite flanged housing.

**Take-up Pulley:** 6" diameter x 4" face width, crowned. Shaft is 1" diameter stainless steel. Bearings are self-aligning, heavy-duty, sealed precision ball bearings in a plated slot bearing housing supported in a stainless steel weldment take-up frame, providing 6" of take-up.

**Return Rollers:** 4" diameter with 1" diameter stainless steel shaft and self-aligning, heavy-duty, sealed precision ball bearings in a nonmetallic composite flanged housing.

**Belt:** Selecting the right belt is one of your best safeguards to ensure long-term, trouble-free performance from your can conveyor. Such factors as system capacity, can size and weight, infeed and discharge configuration, degree of incline, along with ambient conditions such as moisture or oil presence must be taken into consideration when selecting your belt. Bunting provides a variety of belt material and surface configurations to properly match your application. All standard supplied belts are endless, eliminating many of the belt problems caused by splice failures on laced belts. What's more, Bunting belts also reduce the risk of tip-overs when side sweeping off at the discharge.

### OPTIONAL FEATURES

**Slider Beds:** Smooth or dimpled 16 ga stainless steel slider beds are available to protect the magnetic plate rail during high wear applications. Mounted independently from the plate rails for quick and easy replacement.

**Floor Supports:** Standard stainless steel floor supports and specially mounting attachments are available for a complete, ready-to-install package.

**Drip Covers:** All stainless steel hinged and latched drip covers are available for moisture control and safety guarding.

**Can Guides:** Can guides provide overflow restraint, and can be ordered with wear-resistant plastic coatings to protect labels. Heavy-duty bridge supports provide full adjustability of the guides.

**In-feed and Discharge Boots:** Custom track boots for side sweep, in-feeds, and discharges are specifically designed for your can size and sweep angle.

**Extra Large Drive Pulleys:** Standard drive pulleys are 8" diameter. 10" and larger diameter pulleys can be selected for extra long conveyor runs or heavy belt loading.

**Drive Snub Roller:** A 4" diameter snub roller can be selected to provide a full 210 degree wrap on the drive pulley, preventing slippage with heavy loading.

