



MADE IN USA

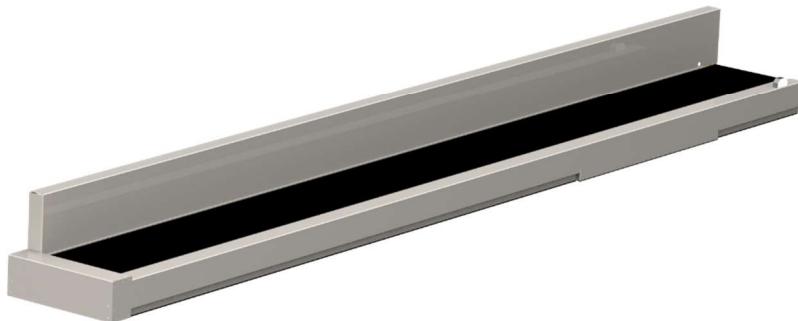
9000 Series Uni-Belt Technical Specifications

Design Elements:

- The 9000 Series Uni-Belt™ conveyor is designed and engineered to meet specific requirements for load, unload, and transport needs of the baggage handling industry. Rugged and versatile, the 9000 Series can also be easily expanded for customer's growing needs.
- The Uni-Belt is a modular design with a variety of drives, end brackets, roller assemblies, and support systems to fulfill airport and rail terminal applications. Heavy-duty drives assure virtually trouble-free service.
- Optional compact drive designs allow for installation at ticket counters with a low loading height of 12" and can be trimmed in stainless steel.
- With 10 Ga. Steel construction and full-sized end rollers, the Uni-Belt can easily sustain 120-pound bags being dropped from a height of 12".



9000 Series Load Conveyor



9000 Series Ticket Counter
Conveyor

General Dimensions and Capacities:

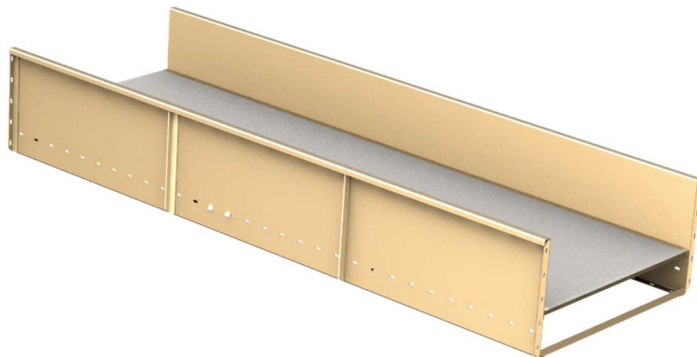
- 1.) Width of Belting
Surface = 27" BF to 39"
BF, standard
- 2.) Minimum Length of
Queue Conveyor = 42"
- 3.) Conveying Speed =
30-210 FPM
- 4.) Load Capacity = 60
lbs./ft. Live load



Bed Section Weldment

Bed Section Weldments:

Conveyor bed frames are of welded steel construction. Bed channels are formed from 10-gauge steel, braced with welded 3/16" x 1 1/4" x 1 1/4" steel angle stiffeners to the underside, spaced on maximum 3'-4" centers. The width of the bedplate channel is three inches wider than the width of the conveyor belting. 12 gauge steel filler plates are available to enable shrouding with HRS or stainless-steel trim.



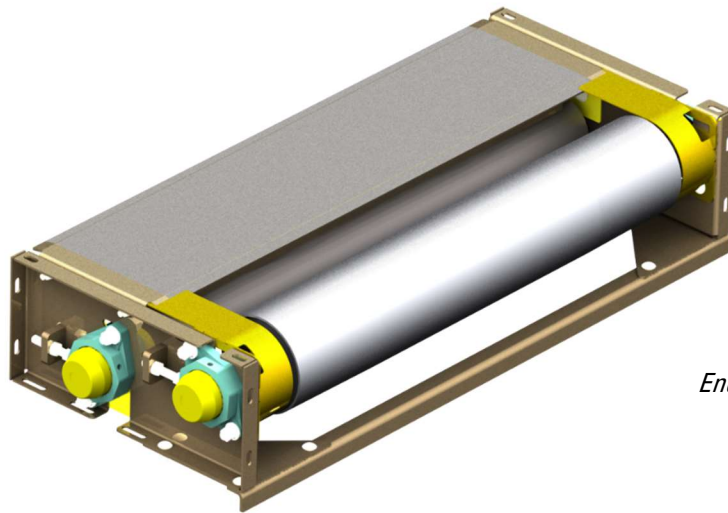
Bed Section Weldment, Standard Length



Side Guard Weldment, with Photo eye Dimple

Side Guards:

Side guards are fabricated of 10-gauge steel, with 3/16" x 1 1/4" x 1 1/4" steel angle welded on the outside, spaced on maximum 3'-4" centers for transport conveyors, and maximum 2'-6" centers for load conveyors. The side guards and conveyor bedplate channel form an integral welded frame for bed sections. Typical side guard heights comprise of either 12" or 21" above conveyor bed.

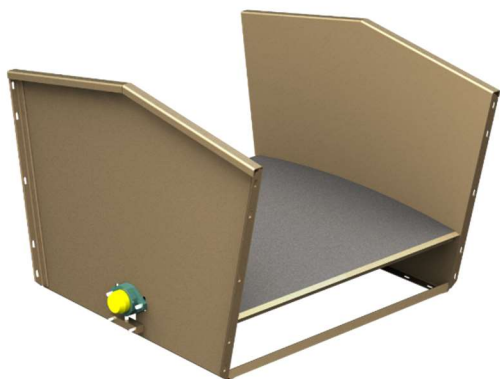


End Bracket, with Finger Guard

End Brackets:

End bracket filler beds are fabricated from 10-gauge steel, reinforced by 3/16" x 1 1/4" x 1 1/4" steel angle welded on the bottom. For load/unload conveyor configurations, 14-gauge steel finger guards are available for shrouding the ends of the pulleys. End and snub pulleys are equipped with minimum Ø1 7/16" CRS shafts mounted in eccentric locking collar, Dodge ABHS ball bearing units. Square head set screws and jam nuts are provided for pulley adjustment and tension.

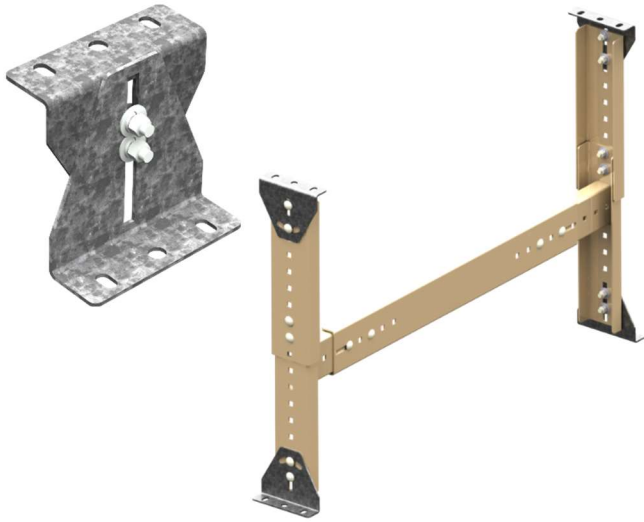
Radius Break Overs (RBOs):



18 Degree RBO, 10 Foot Radius

RBO beds are fabricated from 10-gauge steel, reinforced by 3/16" x 1 1/4" x 1 1/4" steel angle welded on the bottom. Snub pulleys are equipped with minimum Ø1 7/16" CRS shafts mounted in eccentric locking collar, Dodge ABHS ball bearing units. Square head set screws and jam nuts are provided for pulley adjustment.

RBOs are available in either a five foot or ten foot radius. Standard slope ranges are 18°, 20° and 22°, with 18° as industry design objective.



Leg Support Assemblies

Conveyor Supports:

All transport conveyor supports are spaced at a maximum distance of ten-foot centers. Load and unload conveyor supports are spaced at a maximum distance of five-foot centers.

Floor mounted conveyors are supported on formed 10-gauge steel channel leg "H" style assemblies. Each assembly is adjustable in height by means of slotted channels and galvanized brackets.

Low profile conveyors utilized short individual floor mounted support assemblies, formed from 10-gauge galvanized steel brackets.

Ceiling mounted conveyors are supported by 3/4-10 all-thread rod, 1/4" steel hat bracket assemblies, and 1/4" steel angle. Ø2" Schedule 80 steel pipe is used for incline or decline portions.

Ceiling supports are available with rubber housed vibration isolators, as specified.

Belting:

For conveyors not exposed to public view that are load, unload, transport or inclines/declines less than 7°, belting is composed of PVC 120 FS x FS, or as specified by customer.

For conveyors exposed to level public view that are load, unload, transport or inclines/declines less than 7°, belting is composed of black PVC 120 COS x FS, or as specified by customer.

For incline/decline conveyors greater than 7°, belting is composed of a 2-Ply 150 lb. synthetic fabric black rough top belt, with 1/8" black SBR rough top x bare bottom surface (poly-nylon), or longitudinal grooved, or as specified by customer.

The belt lacing is Clipper No. 2 with nylon coated wire cable. Longitudinal grooved belting uses Clipper UX-1 with nylon coated wire cable.



Pulleys:

Drive, end, snub, and take-up pulleys are of steel construction.

Drive pulleys are equipped with taper bushed hubs and CRS shafts. Pulley diameters range from Ø6-3/4", Ø8-3/4", Ø10-3/4" and Ø12-3/4" overall, with 3/8" vulcanized lagging. Shaft sizes range from Ø1-7/16", Ø1-11/16", Ø1-15/16" and Ø2-3/16".

All non-driven end pulleys are constructed of steel, crown faced or trapezoidal faced, Ø6", and equipped with taper bushed hubs with Ø1 7/16" (minimum) CRS shafts.

All take-up pulleys are of steel construction, crown faced or flat faced, Ø4" and equipped with taper bushed hubs and Ø1 7/16" (minimum) CRS shafts.

All snub pulleys are Ø4", crown faced or flat faced steel construction, with Ø1 7/16" steel CRS welded shafts, or with optional taper bushed hubs.

Return Rollers:

For belt conveyor delivery speeds up to 150 FPM, return rollers are of 11-gauge steel, Ø2 1/2" O.D. tubing with internally mounted sealed precision ball bearings and spring loaded 11/16" steel hex shafts.

For belt conveyor speeds above 150 FPM, return rollers are of 9 gauge steel, Ø3 1/2" O.D. tubing with internally mounted sealed precision ball bearings and spring loaded 11/16" steel hex shafts.

All return rollers mount between galvanized brackets on the inside portion of the conveyor bed.

Safety guards:

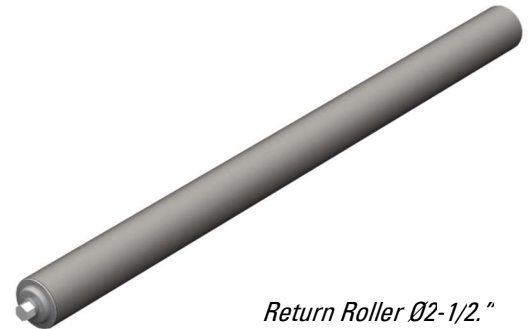
Pulley finger guards are available for load/unload belt configurations. Finger guards and belt/chain guards are of 14-gauge steel. Belt/chain guards are powder coated safety yellow, feature slots for visual chain/belt inspection, and are available with a flexible T-handle style draw latch for easy top portion removal.



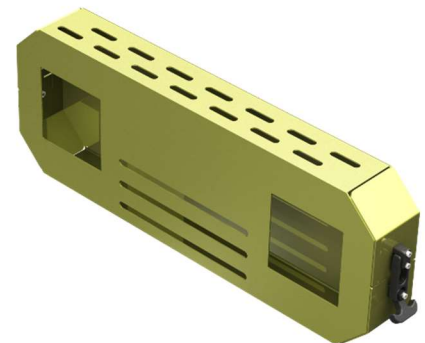
Drive Pulley Assembly



End Pulley, Trapezoidal Crowned



Return Roller Ø2-1/2."



Chain Finger Guard Assembly

Trim and Finish:

Trim and cladding consists of either powder coated 12 gauge HRS, or 12-gauge 304 stainless steel with #4 brush finish. Finishes for HRS conveyor frames, side guards and supports are powder coated to customer specified colors.



Stainless Steel Back Guard for Ticket Counter Conveyor

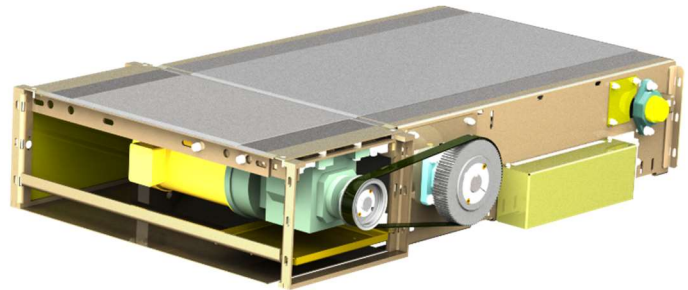
Drives:

A variety of drive configurations are available:

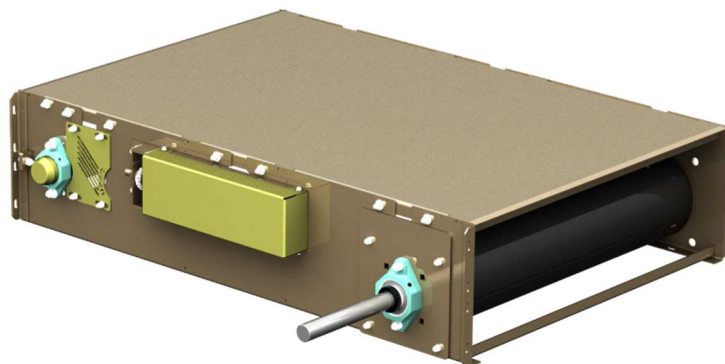
- Roller chain and sprocket, with inline reducer
- V-Belt and Sheave
- Synchronous Belt Connection
- Right angle shaft mount
- Motorized Drive Pulley

Reducer Manufacture Applications:

- Dodge – TXT ABHS, Quantis
- Sumitomo – Cyclo, BBB
- SEW Gearmotors
- Nord Gearmotors
- Van der Graaf Drum Motors



Ticket Counter Conveyor Drive



*Shaft Mounted Drive, Reducer
Customer Specified*