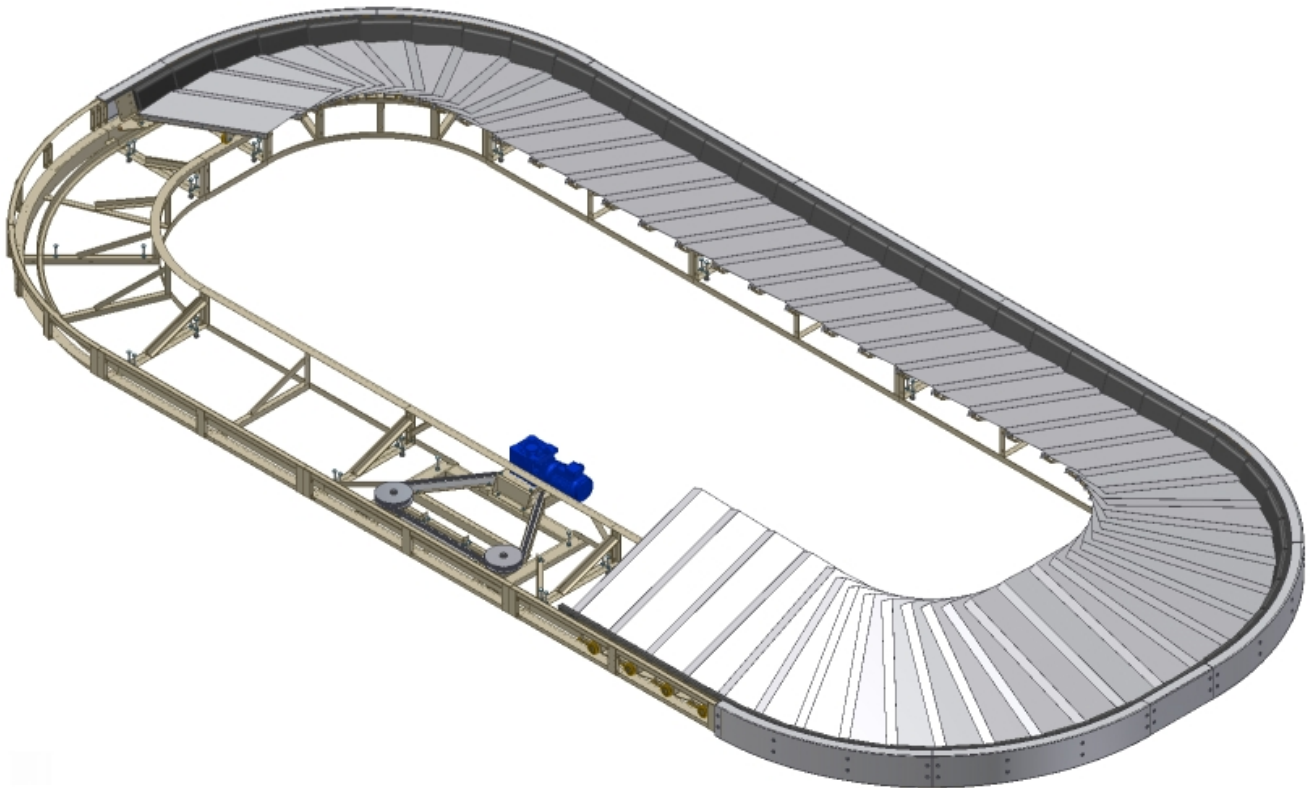


7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS

Design Elements:

- The 7000 Series Uni-Claim™ is a canted surface closed loop carousel, typically assembled in an oval configuration.
- The Uni-Claim™ can be installed in baggage claim areas or make-up areas.
- A maximum amount of volume capacity is available with a minimum use of floor space.
- Remote loading can be accommodated from below the floor, or from overhead, via belt conveyor(s).
- Carousel operating lifespan is designed to be a minimum of 15 years under normal operating conditions, with proper installation and scheduled maintenance as indicated in provided O & M manuals. Normal operating conditions are 20 hours per day, 365 days per year in a non-corrosive environment.



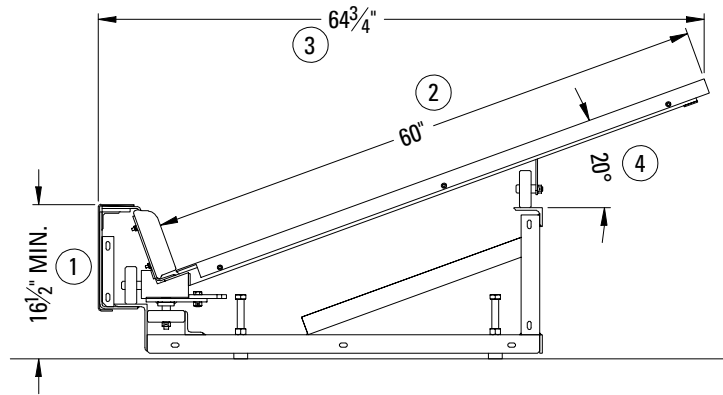
*7000 Series Uni-Claim™ Carousel Partial Assembly with
Sumitomo Cyclo BBB Gearmotor*

7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS

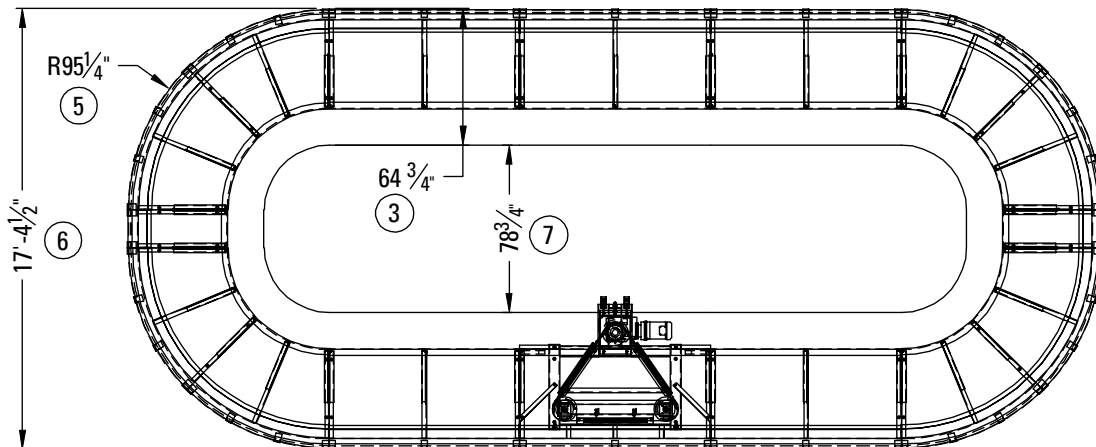
General Information:

All straight and curve frames are welded modular units. Flow direction is typically counterclockwise. Clockwise flow direction is available.

- 1.) Minimum Height to Top of Trim = 16 1/2"
- 2.) Width of Conveying Surface = 60"
- 3.) Distance from Pallet to Trim = 64 3/4"
- 4.) Slope of Conveying Surface = 20°
- 5.) Outside Curve Radius = 95 1/4"
- 6.) Overall Minimum Width = 17'-4 1/2"
- 7.) Minimum Inside Width = 78 3/4"



Frame Section with Dimensions



Carousel Layout with Dimensions
(Pallets and Pallet Support Assemblies Omitted for Clarity)

Center-to-Center Link Hole Distance = 16"

Static Load Capacity = 250 Lbs./Ft.

Minimum Dynamic Load Capacity = 125 Lbs./Ft

Conveying Speed = 90 FPM

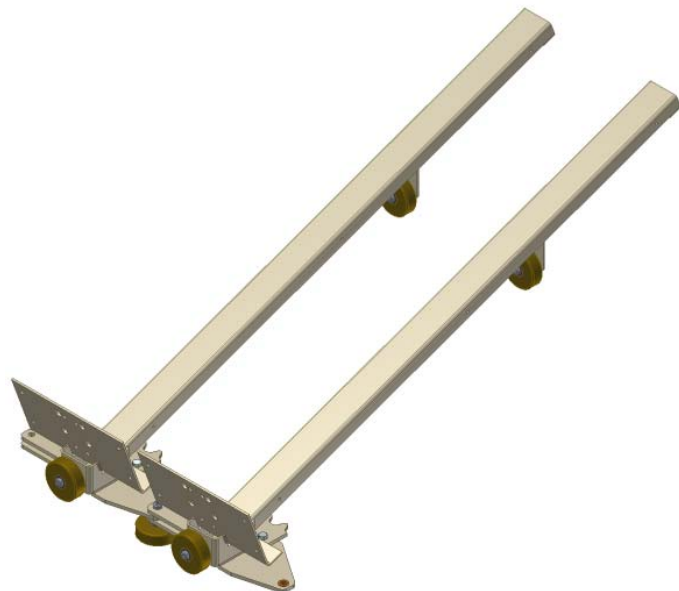
7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS

Pallets:

Flight pallets are rectangular shaped and contoured, consisting of 14-gauge 304 stainless steel with #4 brush finish. An anti-friction strip is applied to the underside of the trailing edge to prevent scoring of pallets.



S.S. Pallet Bolted to Pallet Support Assembly



Pallet Support Assemblies

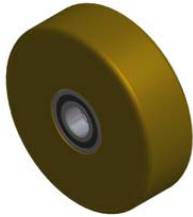


Flat Sprocket

Pallet Support Assemblies:

Each pallet support assembly contains vertical upper and lower support wheels, as well as a lower horizontal guide wheel. The pallet supports are driven by replaceable bolt-on flat sprockets. The flat sprocket teeth engage sequentially into a drive chain located in the triangular drive unit(s). The lower leading and trailing ends of each pallet support form a tang and clevis, forming an endless loop when bolted together.

7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS

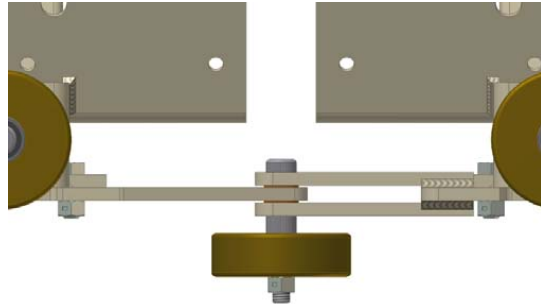


Ø4" Wheel

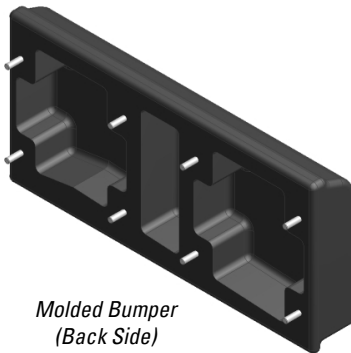
Support Wheels and Guide Wheels:

Wheels are heavy duty, polyurethane, Ø4" x 1 1/4" wide with two sealed roller ball bearings per wheel. Support wheels are on a maximum of 16" centers, with two supports wheels per pallet support assembly. Guide wheels are also on a maximum of 16" centers, with one guide wheel installed per pallet support assembly.

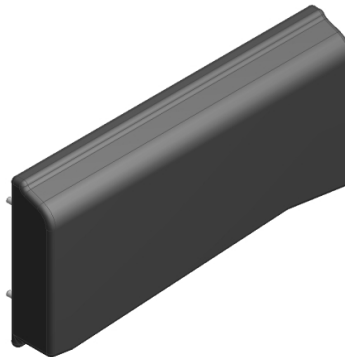
All wheel fastening shoulder bolts are Ø5/8" with 1/2-13 threads. Replaceable oil impregnated bronze flange bearings are installed inside the tang and clevis of the pallet supports to provide long life and ease of maintenance.



Guide Wheel Installation with Shoulder Bolt and Bronze Flange Bearings



Molded Bumper
(Back Side)



Molded Bumper
(Front Side)

Bumpers:

The lower portion of the canted conveying surface is optionally equipped with either individual segmented molded rubber bumpers, or conventional "3-D" extruded rubber bumper. The tops of the bumpers are covered by a flat extruded rubber finger guard, enclosed by outer HRS or stainless steel trim.

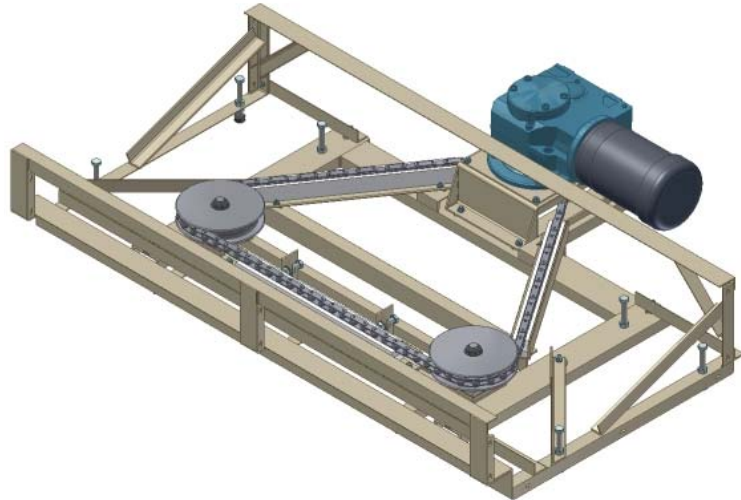


3-D Extruded Bumper
(Front Side)

7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS

Drives:

Power is harnessed from a motor and right angle vertical solid shaft reducer assembly, mounted in a triangular drive unit(s). Dual drive unit carousels utilize high-slip design D motors. A reducer drive sprocket rotates a horizontal drive chain assembly in a triangular configuration. The drive chain engages the flat sprockets bolted to the pallet supports. The drive chain is guided and supported by three UHMW channels, located between two idler sheaves and the drive sprocket. Screw adjustments are provided for proper chain engagement, tensioning, compensation for initial chain break-in, as well as normal wear.

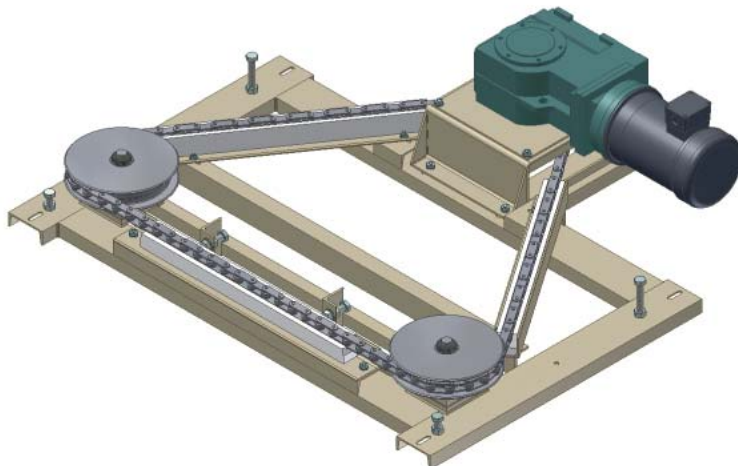


Drive Assembly and Frame with Available SEW KF Series Reducer

A minimum of three pallet assemblies are engaged with the 7000 Series drive at any time. (Many other manufacturers' devices may only have two pallet links engaged.)

Height adjusting support bolts consist of 3/4-10 hardware, and utilize individual rubber isolation pads for quiet operation.

Drive assemblies run at 90 FPM and require an electronic soft start device located in the MCP.



Drive Assembly and Frame with Available Dodge Quantis Reducer

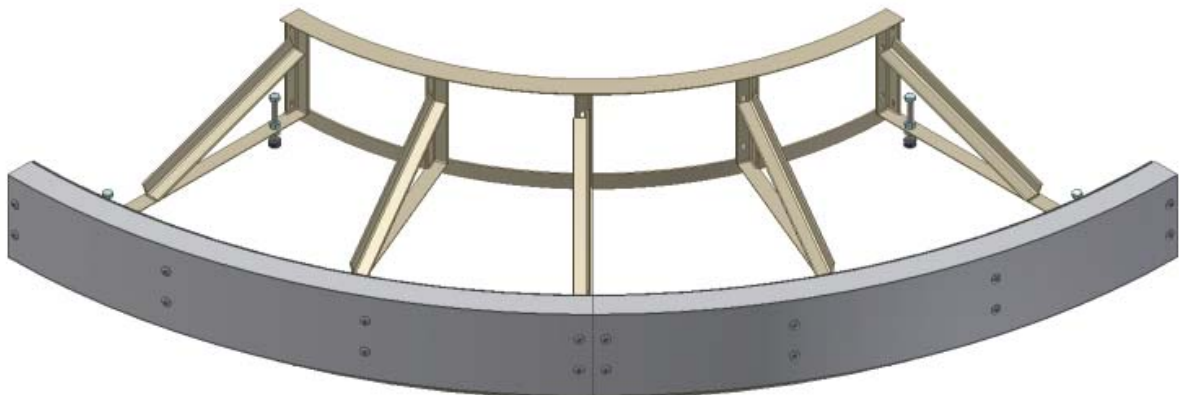
- Standard gear reducers are Dodge Quantis, Sumitomo Cyclo BBB or SEW Eurodrive KF Series.
- Standard motors are Baldor or Reliance. "High-slip" Design D motors are required for carrousel with two or more drives running simultaneously.
- Other reducer and motor combinations are available upon request.

7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS



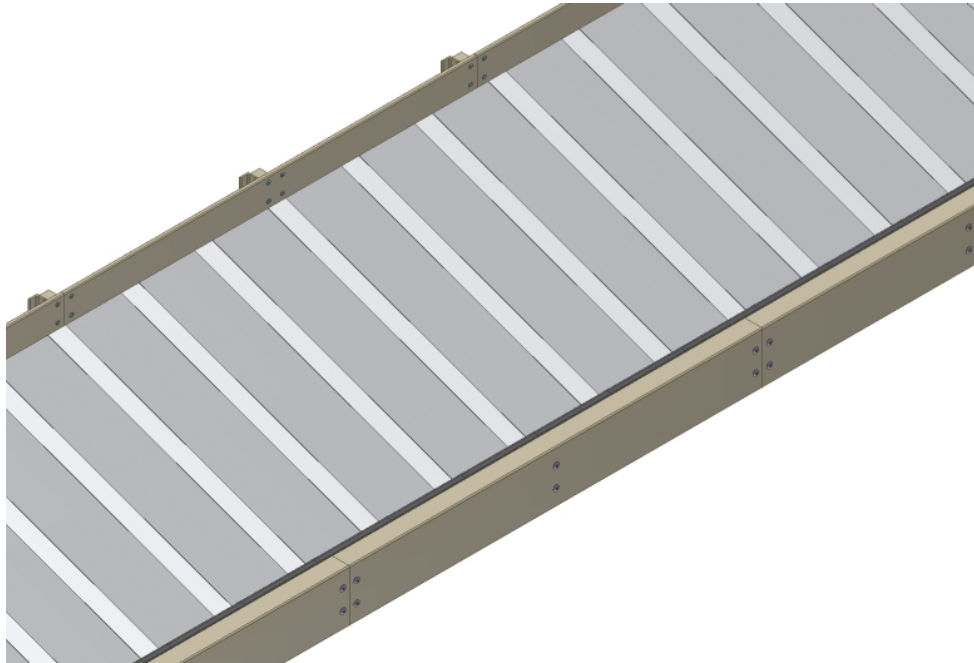
Frames:

Straight and curve frames consist of welded 1/4" steel angle. Straight frames are fabricated 90" long for standard lengths. All frames are powder coated to the customer's specified color. The carousel frames mount on the floor with 3/4-10 leveling screws fitted with rubber isolation pads. Anchor bolts are not normally required, except for the drive area(s). Structural I-Beam steel packages are available to raise the frames to appropriate height for unloading in make-up areas.



90° Curve Frame with S.S. Trim and Rubber Finger Guard

7000 SERIES UNI-CLAIM™ TECHNICAL SPECIFICATIONS



Carousel with HRS Trim and Inside Perimeter Back Guard

Finish, Trim and Back Guards:

Trim and cladding consists of either powder coated 12 gauge HRS or 12 gauge 304 stainless steel with #4 brush finish. Stainless Steel deck trim is available for public areas. HRS back guards with support frames are available for make-up areas.

Finishes for HRS conveyor frames, back guards and supports are powder coated to customer specified colors.

*Carousel Frame Section with HRS Trim,
Inside Perimeter Back Guard with Support Frame,
and Optional I-Beam Supports*

