CHAIN CONVEYOR

SECTION CONTENT

Chain Conveyor
Optional Equipment and Devices
WHY CC?

- Ideal for wrong way pallets or oddly shaped items such as truck frames or racks
- Conveys loads with irregular bottoms that won’t move on roller conveyor
- Rugged and durable style is made even stronger with our welded, structural tube steel rail design
- Integrates easily in systems with CDLR and transfers
- Common applications include palletizing, filling, load staging, robotic cells, stretch wrapping, strapping and transportation

<table>
<thead>
<tr>
<th>MAXIMUM CAPACITY</th>
<th>CHAIN</th>
<th>CHAIN TRACK</th>
<th>TOP OF CHAIN</th>
<th>MINIMUM CHAIN CENTERS</th>
<th>MINIMUM LENGTH</th>
<th>HORSEPOWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>(lbs.)</td>
<td>Size</td>
<td>Material</td>
<td>B (in.)</td>
<td>A (in.)</td>
<td>C (ft.)</td>
<td>HP</td>
</tr>
<tr>
<td>500</td>
<td>C50</td>
<td>UHMW*</td>
<td>10 - 60</td>
<td></td>
<td>8</td>
<td>1/2</td>
</tr>
<tr>
<td>1500</td>
<td>C60</td>
<td>UHMW*</td>
<td>14 - 60</td>
<td></td>
<td>9</td>
<td>1/2</td>
</tr>
<tr>
<td>2000</td>
<td>C60</td>
<td>UHMW*</td>
<td>14 - 60</td>
<td></td>
<td>9</td>
<td>3/4</td>
</tr>
<tr>
<td>3000</td>
<td>C80</td>
<td>UHMW*</td>
<td>15 - 60</td>
<td></td>
<td>14</td>
<td>1</td>
</tr>
<tr>
<td>4000</td>
<td>C80</td>
<td>Steel</td>
<td>16 - 60</td>
<td></td>
<td>16</td>
<td>See Omni Sales</td>
</tr>
<tr>
<td>6000</td>
<td>C100</td>
<td>Steel</td>
<td>18 - 60</td>
<td></td>
<td>16</td>
<td>2</td>
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</tbody>
</table>

Chart is based on 2 strands at 30 FPM
Additional capacities and sizes are available
*Also available with steel track, HP is affected.
**STANDARD SPECIFICATIONS**

**CHAIN** - C50, C60, C80, C100 or C120 flat side bar chain

**TRACK** - UHMW polyethylene on C50, C60 and C80 sizes (up to 3000 lbs. depending on speed and footprint) provides wear resistance, quiet operation and reduces power requirements. Special alloy steel track on all sizes for increased load capacity.

**FRAME** - Structural tube chain rails

**CONSTRUCTION** - Welded frames, spreaders and end couplers

**CHAIN CENTERS** - 8" to 96" in any increment

**OVERALL LENGTH** - 3' to 50' in any increment

**DRIVE STYLE** - Center drive

**SPEED** - Up to 100 FPM

**MOTOR** - 1/4 HP through 5 HP, 1750 RPM, C-face, 208-230-460V/3PH/60Hz, TEFC

**REDUCER** - Sealed, worm gear, C-face

**DRIVE SPROCKETS** - C series sprockets with keyed hub and set screws. Idler sprocket assemblies include shaft and internal bearings.

**MOUNTED BEARINGS** - Precision, sealed, pre-lubricated, self-aligning, flange mount ball bearing units with cast iron housing

**DRIVE CHAIN** - RC series roller chain

**TAKE-UP** - Screw type take-up assembly

**SUPPORTS** - Structural channel H-style, welded 12" to 60" from floor to top of chain. Supports are shipped loose.

**FINISHES** - Powder coat finish standard. Wet spray available.

**OPTIONAL EQUIPMENT AND DEVICES**

**STRANDS** - Three or more strands available for optimum product support

**SIDE GUIDES** - Available in fixed or adjustable with multiple contact surfaces. Allows product to be guided and kept in place within the conveying surface. Side guides are bolted or welded to the conveyor frame.

- Fixed Angle Side Guides - Standard 2" high or 6" high, 12 ga. formed angle
- Adjustable Angle Side Guides - Angle guides typically formed angle, width adjustable
- UHMW Lined Fixed Angle Side Guides - Replaceable UHMW face provides wear protection for angle guides
- Skatewheel Side Guides - Vertically mounted skatewheels
- Roller Side Guides - Vertically mounted rollers

**SUPPORTS** - Available in single or multi-tier and with caster options for portability. Supports are designed to be bolted to the conveyor frame. Supports are shipped loose.

- Multi-Tier Supports
- Knee Brace
- Portable H-Stands Supports

Expanded product parameters available
OPTIONAL EQUIPMENT AND DEVICES

END STOPS - Allows product to stop at the end of a conveyor line. Fixed and adjustable end stops are available.

Fixed End Stop (per strand or width of conveyor) - Structural channel bolted or welded to end of conveyor with optional structural angle reinforcement. Fixed stops can include fork cut outs for unloading.

Adjustable End Stop - Formed or structural steel adjustable end stop bolted to conveyor frame with manually adjusted stop position. Height is not adjustable.

BLADE STOPS - Pneumatically or manually operated blade that pops up in order to accumulate product

Pneumatic Pop-Up Blade Stop - Used to stop products in the conveying line. Mounted to underside of conveyor. Pneumatic cylinder raises blade.

FORK TRUCK INTERFACE - Fork truck loading and unloading interface can be provided to minimize damage to the conveyor, guide the forks to the correct lifting point on the product load or funnel the load to the correct loading point on the conveyor. Fork pockets, protection, frame cut outs, deflectors and loading funnel guides are provided as options. Heavy gauge formed steel and structural channel/angle are typically used.

Fork Deflector
Fork Pockets
Fork Protection
Funneling Guides

FILLER PLATE - Formed steel mounted between strands

STAINLESS STEEL - Conveyors are available in stainless steel materials for washdown applications or harsh environments