SECTION CONTENT

Chain Transfer
Optional Equipment and Devices
**WHY CT?**

- Utilized to transfer products 90° onto an adjacent conveyor using minimal space
- Rugged and durable with our welded, structural tube steel rail design
- Integrates easily into CDLR systems
- Pneumatic airbag, pneumatic cylinder or electric cam actuation are available
- Common applications include palletizing, filling, load staging, robotic cells, stretch wrapping, strapping and transportation

---

### Maximum Capacity

<table>
<thead>
<tr>
<th>Chain</th>
<th>Chain Track</th>
<th>Top of Chain</th>
<th>Minimum Chain Centers</th>
<th>Minimum Roller Center at Chains</th>
<th>Horsepower</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>C (in.)</td>
<td>B (in.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(lbs.)</td>
<td>Size</td>
<td>Material</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>C50</td>
<td>UHMW*</td>
<td>15 - 60</td>
<td>1.9 dia = 4 3/8</td>
<td>1/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 1/2 dia = 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 1/2 dia. = 7 1/2</td>
<td></td>
</tr>
<tr>
<td>1500</td>
<td>C60</td>
<td>UHMW*</td>
<td>16 - 60</td>
<td>2 1/2 dia. = 6</td>
<td>1/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 1/2 dia. = 7 1/2</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>C60</td>
<td>UHMW*</td>
<td>16 - 60</td>
<td>2 1/2 dia. = 6</td>
<td>3/4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 1/2 dia. = 7 1/2</td>
<td></td>
</tr>
<tr>
<td>3000</td>
<td>C80</td>
<td>UHMW*</td>
<td>18 - 60</td>
<td>2 1/2 dia. = 6</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 1/2 dia. = 7 1/2</td>
<td></td>
</tr>
<tr>
<td>4000</td>
<td>C80</td>
<td>Steel</td>
<td>19 - 60</td>
<td>2 1/2 dia. = 6</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 1/2 dia. = 7 1/2</td>
<td></td>
</tr>
<tr>
<td>6000</td>
<td>C100</td>
<td>Steel</td>
<td>19 - 60</td>
<td>3 1/2 dia. = 8 1/2</td>
<td>3</td>
</tr>
</tbody>
</table>

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

---

**STANDARD CONFIGURATIONS**

WITHIN

CUT THROUGH
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 and spreaders

CHAIN CENTERS - 8” to 96” in any increment

ACTUATION - Pneumatic air bag lift or pneumatic cylinder level lift, plumbed to a common air connection point

DRIVE STYLE - Center drive or end 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.

Expanded product parameters available

OPTIONAL EQUIPMENT AND DEVICES

STRAINS - Three or more strands available for optimum product support

SUPPORTS - Available in single or multi-tier. Supports are designed to be bolted or welded to the conveyor frame. Supports are shipped loose.

Multi-Tier Supports
Knee Brace Supports

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

---

48

OmniMetalcraft corp.