TOP-RUNNING, INTEGRAL-AXLE, TUBE-FRAME END TRUCKS

RATED FOR CLASS C & CLASS D SERVICE
AVAILABLE IN STANDARD BOGIE ARRANGEMENT
For years, Yale Hoists’ integrated-rotating-axle, tube-frame end trucks have been known for their durability and dependability. Their legendary performance has made them the preferred end truck by crane builders for both single- and double-girder applications. These popular end trucks are available for CMAA Class C and D service requirements, which includes meeting the bearing life requirement of 10,000 service hours. Now, these end trucks are also available in standard bogie configurations that are both economical and easy to install.
TOP-RUNNING, INTEGRAL-AXLE, TUBE-FRAME END TRUCKS
RATED FOR CLASS C AND CLASS D SERVICE

BENEFITS & FEATURES

5 WHEEL SIZES AVAILABLE
115mm, 160mm, 200mm, 260mm and new 305mm for a wide range of capacities and applications.

BOLTED RAIL SWEEPS WITH BUMPERs
Sweeps can be quickly removed for easy inspection of wheels.

BOLTED TOP & SIDE GIRDER CONNECTION PLATES
Allow for easy installation and reduced shipping costs for larger crane kits and double girder systems.

OVERSIZED HAND HOLES
Large hand holes allow for easy access to the connection plate bolts.

ROTATING-AXLE DRIVER & TRAILER WHEELS
No exposed gearing. Bearings on 115 mm and 160 mm wheels are sealed and lubricated. Bearings on larger, roller-bearing-type wheels are individually lubricated through grease fittings.

MOTOR, DRIVE & RECTIFIED BRAKE
Factory assembled together for easy installation in the field.

STANDARD VARIABLE FREQUENCY DRIVE (VFD) CONTROLLED MOTORS
Provide more torque and cooler operation for superior performance and longer life. Extends the life of the drive train and reduces load swing.

AVAILABLE FOR PLUG & PLAY CRANE KITS
Available for use as part of our Plug & Play Crane Kits designed for single-girder applications.

BEARING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Wheel Diameter (mm)</th>
<th>Bearing Type</th>
<th>Bearing Size (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>115 mm (4.5&quot;)</td>
<td>Ball</td>
<td>40 x 90 x 23</td>
</tr>
<tr>
<td>160 mm (6.3&quot;)</td>
<td>Ball</td>
<td>50 x 110 x 27</td>
</tr>
<tr>
<td>200 mm (7.9&quot;)</td>
<td>Roller</td>
<td>55 x 100 x 25</td>
</tr>
<tr>
<td>260 mm (10.2&quot;)</td>
<td>Roller</td>
<td>55 x 100 x 25</td>
</tr>
<tr>
<td>305 mm (12.01&quot;)</td>
<td>Roller</td>
<td>70 x 125 x 31</td>
</tr>
</tbody>
</table>

Note: Gear motors are S3-40% rated or both Class C and D applications. 60 minute motors are priced upon application. Per CMAA 5.2.7, time rating depends on analysis of actual service requirements.
Yale end trucks are now available in a standard bogie configurations. This bogie design is an economical alternative to larger single trucks, while offering all of the same great features, plus:

- **Higher Capacities & Longer Spans**
  With wheel diameters starting at 160 mm, our 4-wheel end truck design doubles overall load capacity.

- **Lower Runway Cost**
  Bogie design disperses the wheel loads across four wheels, allowing you to use less costly, smaller rail sizes.

- **Freight Savings**
  Experience lower shipping costs compared to larger single-truck design.

- **Easier Installation**
  End trucks typically ship pre-mounted to girders.

- **Flexible Configurations**
  You have the flexibility to specify gear motor mounting with either two motors on each of the two driver trucks, or one motor on each of four trucks.

- **Optional End Truck Tie-Bar**
  Choose the optional tie-bar to save on crane fabrication time.
THE POWER OF INTELLIGENT LIFTING

Columbus McKinnon is one of the most respected and well-known names in the material handling industry. We combine two different yet complimentary areas of expertise – rigging products and hoists – to develop complete floor-to-ceiling lifting systems for even the most unique material handling applications.

Columbus McKinnon designs and manufactures a large portfolio of durable and reliable products for a variety of industries. Our portfolio includes powered and manual hoists, rigging products, below-the-hook attachments, cranes, enclosed track systems and specially engineered products.

KNOW HOW. KNOW WHY. BE SAFE. GET TRAINED.

Not only is Columbus McKinnon a leader in material handling products, we are also a global leader in providing expertise and training on the proper use and inspection of rigging and overhead lifting equipment. With a range of comprehensive programs and seminars conducted at venues throughout North America, including our hands-on training centers and private companies, our courses include:

- Hoist Maintenance
- Safe Hoisting
- Crane & Hoist Inspection
- Load Securement
- Crane Operator Training
- Rigging
- Rigging Gear Inspection
- Crane & Hoist Inspection
- Load Securement
- Crane Operator Training
- Rigging
- Rigging Gear Inspection
- Crane & Hoist Inspection
- Load Securement
- Crane Operator Training
- Rigging
- Rigging Gear Inspection

One of our newest programs, **CMCO University**, is a three-day course designed to give attendees an intimate knowledge of our products, the information they’ll need to select the right product for the application, and the tools to win in the marketplace.

Classes are available at our state-of-the-art, hands-on training centers, including the **Niagara Training Center** and the **Hoist & Rigging Training Center of Excellence in the Center for Occupational Health and Automobile Manufacturing (COHAM) lab at The Ohio State University**.

Rely on Columbus McKinnon for the products and expertise you need to keep your workforce productive and safe.

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