### RPT Push Trolley
- Versatile jaws to adjust for use on I-beams or Wide Flange beams
- Fast action transition screw for easy adjustment
- Built-in suspension bar provides lower headroom
- Spark resistant options available
- Wheel treads compatible with W and I-beams
- Converts fixed top hook hoist to push travel

### RPTC Hand Geared Trolley
- Open chain path for simple inspection and cleaning
- Weston-style braking
- Lever directional switch allows operation from both directions

### RBC Beam Clamp
- Open chain path for simple inspection and cleaning
- Weston-style braking
- Lever directional switch allows operation from both directions

### RLP Premium Manual Lever Puller
- Designed for both hoisting and pulling loads
- 360° handle rotation for operation from either side
- Upper and lower hooks rotate 360° for convenience
- Rubber handle grip for safety and comfort
- Upper and lower hooks rotate 360° for convenience

### RLM Manual Lever Puller
- Designed for both hoisting and pulling loads
- Lever directional switch allows operation from both directions
- Weston-style braking

### LoadMate Features
- Safety drop lugs and rubber bumpers are standard
- Adjustable for a wide range of flange widths
- Wheels mounted on bearings
- Both suspension hook and load hook are equipped with a safety latch. The shank of each is encapsulated allowing 360º rotation. Suspension hook and load hook dimensions are identical.

### Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Beam Flange Width (in.)</th>
<th>Capacity (ton)</th>
<th>Standard Headroom (in.)</th>
<th>Lift (ft)</th>
<th>Curve Ft</th>
<th>Min. Radius (ft)</th>
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</thead>
<tbody>
<tr>
<td>RPT-5000</td>
<td>10 (250)</td>
<td>5</td>
<td>90 (230)</td>
<td>8.5</td>
<td>6.56</td>
<td>1.5</td>
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<tr>
<td>RPT-3500</td>
<td>10 (250)</td>
<td>3</td>
<td>90 (230)</td>
<td>10</td>
<td>6.56</td>
<td>1.5</td>
</tr>
<tr>
<td>RPT-2500</td>
<td>10 (250)</td>
<td>2</td>
<td>90 (230)</td>
<td>12</td>
<td>6.56</td>
<td>1.5</td>
</tr>
<tr>
<td>RPT-1500</td>
<td>10 (250)</td>
<td>1</td>
<td>90 (230)</td>
<td>14</td>
<td>6.56</td>
<td>1.5</td>
</tr>
</tbody>
</table>

| RBC 1    | 1 (1000)                | 3 – 9 (75-225) | 9 (130)               | 12 (310)  | 3.28     | 1.0             |
| RBC 2    | 2 (2000)                | 3 – 9 (75-225) | 11 (160)              | 15 (380)  | 4.82     | 1.5             |
| RBC 3    | 3 (3000)                | 3 – 15 (75-375) | 21 (330)             | 24 (610)  | 7.28     | 2.0             |
| RBC 5    | 5 (5000)                | 3/8 – 10 (75-250) | 30 (460)           | 30 (760)  | 11.18    | 3.0             |

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity (ton)</th>
<th>Beam Flange Width (in.)</th>
<th>Weight (lbs)</th>
<th>Handle (in.)</th>
<th>Length (in.)</th>
</tr>
</thead>
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<tr>
<td>RBC 1</td>
<td>1 (1000)</td>
<td>3 – 9 (75-225)</td>
<td>3.8</td>
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<td>2.2 (55)</td>
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<td>3.6 (92)</td>
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<td>6.0 (152)</td>
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<tr>
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<td>3/8 – 10 (75-375)</td>
<td>30.7</td>
<td>30 (760)</td>
<td>10.2 (260)</td>
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### Customer Support
- For more information, visit our website: www.rmhoist.com
- Phone: (937) 328-5100
- Fax: (937) 325-5319
- Springfield, Ohio 45502
- 4501 Gateway Blvd.
Leadbolt hoists are designed to run cool and are constructed of high-performance materials to maximize the life of gears, brakes and bearings. Longer component life means less maintenance, lower downtime and improved pay-off point.

R&M LoadMate electric chain hoists —— reliable long-term performance

**ADDED VERSATILITY**

**Variable Frequency Drive** option enhances motorized trolley operation

TMS's Variable Frequency Drive offers:

- Two-speed multi-step or stepless control method
- Flexibility in speed settings
- Dynamic braking

**Minimum and maximum speed settings can be defined to provide easy and precise load placement, reduced load sagging and less wear on equipment.**

The sealed brake is incorporated into the motor design. The dynamic braking provided by the variable frequency drive allows for smooth stops and extended brake life.

**EASE OF OPERATION**

**Versatility and ease of use**

- Premium-grade precision gearing contributes to the hoist’s compact, low-maintenance design, low noise level and smooth operation.

**REduced maintenance**

Cushion cushions your hoist on the job long past the pay-off point.

LoadMate hoists are designed to run cool and are constructed of high-performance materials to maximize the life of gears, brakes and bearings. Longer component life means less maintenance, lower downtime and improved pay-off point.

- Sealed brake keeps out lubricants
- Brake adjusts independent of load binder

**Safety and meets industry safety standards**

All hoists are metally and dynamically wind with a minimum of 125% rated load prior to shipping.

- **Electromagnetic disc brake-chrome combination is designed for efficiency, safety and ease of adjustment.** The friction-type race bearing is designed with the hoist contactors, transformer, terminal board and flange-type Wihine.
- **Placing in guard is quick replacement is standard.**
- **Emergency stop button is provided as standard.**
- **Upper/lower limit switches stop the hoisting motion when the hook reaches the top or bottom limit of travel, providing load operators and equipment life.**
- **Low-voltage disconnect** ensures operator safety 15% -20% voltage with standard control, 45% control with optional control system (standard with 380 volt).
- **Control panel and publications communicate both normal NEMA type 3R (IP-55) protection classifications.**
- **Load hook is drop-forged and heat-treated for strength and durability.**
- **Emergency stop button and buttons in reset are standard.**
- **CMA approval of all materials.**

**Long Life**

Built for tough duty, lasting performance

Every feature of the Leadbolt hoist assembly includes rugged, high-performance materials and quality engineering for longer service life and less downtime.

- **Thermal protections of hoisting motors prevent damage due to overloading.** A stopped motor is available, allowing only move load handling and longer motor life due to less wear on the brake and contactors.
- **Hoist body is constructed of pressure-cast aluminum for lightweight and easy handling, and allfor better heat dissipation.**
- **Load chain is electro-zinc plated, heat-treated, and has a high-wide strength.**
- **Unique added versatility**: Chain sprocket, reduces wear and prolonging chain life.
- **Crown tread wheels and rugged, high-performance materials** ensure precise alignment of chain and load path, reducing wear and prolonging chain life.

- **Load chain is provided as standard.**

**Machine Components**

- **Motorized trolley**
- **Load anchor maintains lower limit switches**
- **Load chain**
- **5-pocket chain sprocket**
- **EMTB LoadMate**
- **Overload contactor** is standard.
- **Dynamic braking**
- **Overload limit switch** is standard.
- **Flexible-volt motors are available on LM01 and LM05 models**
- **Thermal protection of hoisting motor**
- **Return safety latch.**
- **Laminated core with fast installation, easy operation and built-in durability.**
- **Sealed brake keeps out lubricants**
- **Quality keeps your hoist on the job long past the pay-off point.**
- **Variable Frequency Drive option enhances motorized trolley operation**

**EASE OF INSTALLATION**

speeds required for additional dimensional data

**R&M Series 1 Manual Chain Hoist**

- **Capacity from 1/4 to 7 ton.**
- **Chain anchor motorized hoisting.**
- **Motorized trolley on motorized hoisting.**
- **Overload limiting device is standard.**
- **Flexible-volt motors are available on LM01 and LM05 models**
- **Thermal protection of hoisting motor**
- **Return safety latch.**
- **Laminated core with fast installation, easy operation and built-in durability.**
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The sealed brake is incorporated into the motor design. The dynamic braking provided by the variable frequency drive allows for smooth stops and extended brake life.

- **Saftety and meets industry safety standards**
- **Electromagnetic disc brake-chrome combination is designed for efficiency, safety and ease of adjustment.** The friction-type race bearing is designed with the hoist contactors, transformer, terminal board and flange-type Wihine.
- **Placing in guard is quick replacement is standard.**
- **Emergency stop button is provided as standard.**
- **Upper/lower limit switches stop the hoisting motion when the hook reaches the top or bottom limit of travel, providing load operators and equipment life.**
- **Low-voltage disconnect** ensures operator safety 15% -20% voltage with standard control, 45% control with optional control system (standard with 380 volt).
- **Control panel and publications communicate both normal NEMA type 3R (IP-55) protection classifications.**
- **Load hook is drop-forged and heat-treated for strength and durability.**
- **Emergency stop button and buttons in reset are standard.**
- **CMA approval of all materials.**

**Long Life**

Built for tough duty, lasting performance

Every feature of the Leadbolt hoist assembly includes rugged, high-performance materials and quality engineering for longer service life and less downtime.

- **Thermal protections of hoisting motors prevent damage due to overloading.** A stopped motor is available, allowing only move load handling and longer motor life due to less wear on the brake and contactors.
- **Hoist body is constructed of pressure-cast aluminum for lightweight and easy handling, and allfor better heat dissipation.**
- **Load chain is electro-zinc plated, heat-treated, and has a high-wide strength.**
- **Unique added versatility**: Chain sprocket, reduces wear and prolonging chain life.
- **Crown tread wheels and rugged, high-performance materials** ensure precise alignment of chain and load path, reducing wear and prolonging chain life.

- **Load chain is provided as standard.**

**Machine Components**

- **Motorized trolley**
- **Load anchor maintains lower limit switches**
- **Load chain**
- **5-pocket chain sprocket**
- **EMTB LoadMate**
- **Overload contactor** is standard. (Except LM1.)
- **Dynamic braking**
- **Overload limit switch** is standard.

**SAFETY**

Mets and exceeds industry safety standards

All hoists are metally and dynamically wind with a minimum of 125% rated load prior to shipping.

- **Electromagnetic disc brake-chrome combination is designed for efficiency, safety and ease of adjustment.** The friction-type race bearing is designed with the hoist contactors, transformer, terminal board and flange-type Wihine.
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- **Load chain is provided as standard.**
Leaded wire hoists are designed to run cool and maintain the load for a longer time. Lower profile and more compact, leaded wire hoists provide longer component life, less downtime and maximize the life of gears, brakes and parts. LoadMate hoists are designed to run cool and maintain the load for a longer time. Lower profile and more compact, leaded wire hoists provide longer component life, less downtime and maximize the life of gears, brakes and parts.

R&M Premium Manual Chain Hoist

- Capable of up to 2-ton
- Ergonomic control handle
- Chain spool in all-house mounted
- Emergency braking
- Lower load limit maintained at full stop or load chain
- Overload limiting device is standard
- Spoke/straight-plate option available

RM Series II Manual Chain Hoist

- Capable of up to 2-ton
- Chain spool on motorized hoist
- Wire-style braking
- Dual-actuation drive train

Long Life

Built for tough duty, lasting performance.

Every feature of the LoadMate hoist assembly includes rugged, high-performance materials and quality engineering for longer service life and less downtime.

- Thermal protection of hoisting motor prevents damage due to overloading or misuse. A stopped motor is available, allowing precise load handling and longer motor life due to less wear on the brake and contact.
- Load chain in electrically isolated, ball bearing, and has a high-wattage strength. Chain is also specially designed for load chain use.
- Windlass is drop-forged and heat-treated for maximum strength and durability and is provided with a spring for quick replacement is standard.
- Motor is available, offering more precise load handling and longer motor life due to less wear on the brake and contact.
- Emergency stop button is released.

Safety

Meets and exceeds industry safety standards.

All R&M hoists are statically and dynamically tested and manufactured techniques ensure safe operation, versatility and ease of use. The compact design provides low headroom and reduced load swings and less wear on equipment.

The sealed brake is incorporated into the motor design. The dynamic braking provided by the variable frequency drive allows for smooth stops and extended brake life.

Rugged steel construction

Each motor is drop-forged and heat-treated for maximum strength and durability and is provided with a spring for quick replacement is standard. Motor is standard on push and pull top hooks.

Ease of Operation

Innovative design enhances versatility and ease of use.

- Premium-grade precision gearing contributes to the hoist’s compact, low-maintenance design, low noise level and smooth operation.
- Hi-torque ball-socket lubrication
- Brake acts independently of load hoist

Reduced Maintenance

Chain assembly requires your attention on the job long past the pay-off point.

LoadMate hoists are designed to run cool and maintain the load for a longer time. Lower profile and more compact, LoadMate hoists provide longer component life, less downtime and maximize the life of gears, brakes and parts.

R&M LoadMate® electric chain hoists — reliable long-term performance

ADD/VERSATILITY

Variable Frequency Drive option enhances motorized hoist operation

TMU’s Variable Frequency Drive offers:

- Dual-speed or multi-speed option
- Statically adjustable speed
- Flexibility in speed settings
- Dynamic braking

Minimum and maximum speed settings can be defined to provide easy and precise load placement, reduced load swings and less wear on equipment.

Overload limiting device is standard

Capable of up to 2-ton

- Emergency braking
- Lower load limit maintained at full stop or load chain
- Overload limiting device is standard
- Spoke/straight-plate option available

Manual Products

ADDITIONAL VERSATILITY

Variable Frequency Drive option enhances motorized hoist operation

TMU’s Variable Frequency Drive offers:

- Dual-speed or multi-speed option
- Statically adjustable speed
- Flexibility in speed settings
- Dynamic braking

Minimum and maximum speed settings can be defined to provide easy and precise load placement, reduced load swings and less wear on equipment.

Overload limiting device is standard

Spoke/straight-plate option available

Digichain

An ergonomically designed handle control allowing the hoist to be used as an extension of the operator’s arm.

- Available on LM1 and LM5 models
- 1/8 to 1/2 ton capacities
- Single fall only
- Standard E-stop button
- ANSI type 28 FR [PS] protection rating

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Falls</th>
<th>Chain Fall</th>
<th>Overhead</th>
<th>Weight</th>
<th>Headroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 (LM1)</td>
<td>1</td>
<td>1/8</td>
<td>20</td>
<td>72 lbs.</td>
<td>28.5 in.</td>
</tr>
<tr>
<td>1/4 (LM2)</td>
<td>1</td>
<td>1/4</td>
<td>25</td>
<td>84 lbs.</td>
<td>33.5 in.</td>
</tr>
<tr>
<td>1/2 (LM4)</td>
<td>1</td>
<td>1/2</td>
<td>38</td>
<td>110 lbs.</td>
<td>40.6 in.</td>
</tr>
<tr>
<td>1 (LM5)</td>
<td>1</td>
<td>1</td>
<td>45</td>
<td>146 lbs.</td>
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</tr>
<tr>
<td>2 (LM6)</td>
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Overload limiting device required for additional dimensional data

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Digichain

An ergonomically designed handle control allowing the hoist to be used as an extension of the operator’s arm.

- Available on LM1 and LM5 models
- 1/8 to 1/2 ton capacities
- Single fall only
- Standard E-stop button
- ANSI type 28 FR [PS] protection rating

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LoadMate electric chain hoists offer a range of choices for a wide variety of applications:

- 1 or 2-speed hoists available for 208, 230, 460, 575 volt, 1 phase, 60 Hz.
- Single-speed hoists are reconnectable for 208, 230 or 575 volt, 1 phase, 60 Hz.
- 1 or 2-speed hoist motors available for LM05 and LM10, 15 and 20 ft. lifts standard; additional lifting heights available up to 150 ft. single fall, 75 ft. double fall.

LoadMate electric chain hoists —— reliable long-term performance

SAFETY

- R&M LoadMate hoists are designed to meet all applicable electrical (IEC) and mechanical (ASME) standards.
- Heavy-duty, high-strength steel components and materials are used throughout.
- Low-voltage controls are standard; optional high-voltage control (class 1, division 2, group D)
- Emergency stop button is standard.
- Control panel and pushbutton enclosures are NEMA type 3R (IP-55) for outdoor use.
- Lower hook limit maintained by fall stop on load chain.
- Automatic braking on load sprocket, reducing wear and prolonging chain life.
- Chain containment is provided as standard.

EASE OF OPERATION

- Precision-grade precision gearings contribute to the hoist’s compact, low profile design, low noise level and smooth operation.
- Integral housing and control panel conform to all applicable electrical (IEC) and mechanical (ASME) standards. Backplate, wiring harness, and conduit (where applicable) are included with each hoist.
- Motor is drop-forged and heat-treated for lasting performance.

REDUCED MAINTENANCE

- Gearbox contains high-quality, high-grade lubricants
- Manual products are lubricated with high-grade lubricants.
- Electric products are lubricated with high-grade lubricants for life.
- Maintenance, repair and downtime costs over its life.
- Consistent quality and longer component life. It adds up with fast installation, easy operation and built-in durability.

ADDED VERSATILITY

Variable Frequency Drive option enhances motorized hoist operation

- TMH’s Variable Frequency Drive offers:
  - 2-step multi-speed or stepless control method
  - Flexibility in speed settings
  - Dynamic braking
  - Overload limiting is standard
  - Quick connection options available

Minimum and maximum speed settings can be defined to provide easy and precise load placement, reduced load slewings and less wear on equipment.

The sealed brake is incorporated into the motor design. The dynamic braking provided by the variable frequency drive eliminates for smooth stops and extended brake life.

LoadMate hoists are designed to run cool and maintain their life for years. Lubricant and motor: Longevity component life means lower maintenance, less downtime and maximum productivity.

ADDITIONAL OPTIONS

- Single fall only
- Emergency stop button
- CSA approval
- NEMA type 3R (IP-55) protection rating

- Overload limiting is standard

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Push Trolley and Beam Clamps

- Versatile jaws to adjust for use on I-beams or Wide Flange beams
- Fast action transition screw for easy adjustment
- Built-in suspension bar provides lower headroom
- Spark resistant options available
- Converts fixed top hook hoist to push travel

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
<th>Beam Flange Width</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBC 1</td>
<td>1 (5000)</td>
<td>3 - 9 (75-225)</td>
<td>9 (130)</td>
</tr>
<tr>
<td>RBC 2</td>
<td>2 (6000)</td>
<td>3 - 9 (75-225)</td>
<td>11 (155)</td>
</tr>
<tr>
<td>RBC 3</td>
<td>3 (8000)</td>
<td>3 - 16 (100-310)</td>
<td>21 (315)</td>
</tr>
<tr>
<td>RBC 5</td>
<td>5 (10000)</td>
<td>3/8 - 10 (10-254)</td>
<td>26 (415)</td>
</tr>
</tbody>
</table>

Lever Pullers

- Designed for both hoisting and pulling loads
- 360° handle rotation for operation from either side
- Upper and lower hooks rotate 360° for convenience
- Rubber handle grip for safety and comfort
- Designed and constructed for durability
- Open chain path for simple inspection and cleaning

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
<th>Hook Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPT -500</td>
<td>5 (5000)</td>
<td>12.0 (305)</td>
</tr>
<tr>
<td>RPT -300</td>
<td>3 (3000)</td>
<td>11.0 (280)</td>
</tr>
<tr>
<td>RPT -200</td>
<td>2 (2000)</td>
<td>10.0 (254)</td>
</tr>
<tr>
<td>RPT -100</td>
<td>1 (1000)</td>
<td>9.0 (229)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
<th>Hook Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPL Premium Manual Lever Puller</td>
<td>1/2 (500)</td>
<td>9.0 (229)</td>
</tr>
<tr>
<td>RPL Manual Lever Puller</td>
<td>3/4 (6000)</td>
<td>12.0 (305)</td>
</tr>
</tbody>
</table>

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</tbody>
</table>

R&M LoadMate®

Electric Chain Hoists & Manual Products

- Reliable long-term performance
### Push Trolley and Beam Clamps

- **RPT Push Trolley**
  - Versatile jaws to adjust for use on I-beams or Wide Flange beams
  - Fast action transition screw for easy adjustment
  - Built-in suspension bar provides lower headroom
- **RPTC Hand Gearing Trolley**
  - Spark resistant options available
  - Wheel treads compatible with W and I-beams
  - Converts fixed top hook hoist to push travel

### Lever Pullers

- **RLP Premium Manual Lever Puller**
  - Designed for both hoisting and pulling loads
  - 360° handle rotation for operation from either side
  - Upper and lower hooks rotate 360° for convenience
  - Rubber handle grip for safety and comfort
  - Open-chain path for simple inspection and handling

- **RL Manual Lever Puller**
  - Designed for both hoisting and pulling loads
  - Lever action switch allows operation from both directions
  - Weston-style braking

### R&M LoadMate® Electric Chain Hoists & Manual Products

- **RPTC Hand Gearing Trolley**
  - Open-chain path for simple inspection and handling
  - Pivots and lever handles rotate 360° for convenience
  - Rubber handle grip for safety and comfort
- **RPT Push Trolley**
  - Wheel treads compatible with W and I-beams
  - Spark resistant options available

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity (Ton)</th>
<th>Beam Flange Width (Inch)</th>
<th>Weight (Lbs)</th>
<th>Length (Inch)</th>
<th>Level Effort (Normal)</th>
<th>Level Effort (Effort)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBC 1</td>
<td>5 (5000)</td>
<td>3-9 (75-250)</td>
<td>23 (103)</td>
<td>88 (392)</td>
<td>55 (245)</td>
<td>55 (245)</td>
</tr>
<tr>
<td>RBC 2</td>
<td>2 (2000)</td>
<td>3-9 (75-250)</td>
<td>11 (5)</td>
<td>55 (245)</td>
<td>55 (245)</td>
<td>55 (245)</td>
</tr>
<tr>
<td>RBC 3</td>
<td>5 (5000)</td>
<td>3-9/10-12 (75-370)</td>
<td>20 (91)</td>
<td>55 (245)</td>
<td>55 (245)</td>
<td>55 (245)</td>
</tr>
</tbody>
</table>

*Additional info available*