Rough Terrain Cranes

22 - 60 Tons
Link-Belt Hydraulic Rough Terrain Cranes — A blend of performance features, reliability, and value

**Booms**
- Patented boom design provides superior strength to weight ratio.
- 2, 3 and 4 section booms available.
- Optional swing-away lattices (fly and/or A-frame) for enhanced tip height.
- -3° Boom angle for easy rigging.
- +80° Boom angle for increased work height.

**Operator's Cab**
- Tinted glass — standard.
- Sliding windows with swing-up roof window allows maximum ventilation and comfort.
- Comprehensive & easy to read dash-mounted instrumentation.
- Cab rubber mounted to reduce noise and vibration.
- For fleet owners, all cab controls are identical.
- Foot pedals available for swing brake and boom hoist provide multiple function capabilities.

**Load Hoist System**
- 3 types of winch designs available.
  - Model 1M — 1 speed power up / power down
  - Model 2M — 2 speed power up / power down
  - Model 3M — Freespool with 2 speed power up / power down
- Link-Belt's exclusive true gravity controlled free fall for superior duty-cycle production.
- 5° inward sloped flanges on drum lagging ensures smooth wire rope wrapping.
- Main and auxiliary winches — always the same size for improved operation and production.
- Line speeds — up to 540 fpm.
- Line pulls — up to 10,870 lbs.

**Swing System**
- Hydraulic swing motor mounted directly to planetary speed reducer to provide precise and smooth swing control.
- Free Swing Feature allows boom to self-center over load.
- 360° position swing lock.
- 2 position house lock for travel or pick and carry, standard.

**Carrier**
- Link-Belt design philosophy incorporates lightweight, 100,000 psi steel to achieve maximum rigidity and torsional strength.
- 4x4x4 (4-wheel steer, 4-wheel drive) standard for maximum maneuverability on job sites with limited turning area.
- Automatic rear axle oscillation lockout.
- Hydraulic two wheel, four wheel and "crab" steering, controlled by the steering wheel.
- Proven drive train components matched for excellent travel speeds and reliability.
- Out & down outriggers.
- Conveniently placed steps & grab handles for excellent accessibility.
- Reinforced 12 gauge sheet metal fenders, plus large engine access doors.

**Hydraulic System**
- Simplified hydraulic routings are accessible with quick disconnects, standard for easy servicing.
- Separate control valves are remote mounted for each operating circuit, providing easy service access.
- Available pump disconnect — adds in cold weather starting and extends pump life.
Link-Belt Control Center—Comfortable, clean design

Operator’s Control Center

- Full instrumentation and toggle switches with international symbols dash-mounted for convenience.
- Tilt/telescoping steering wheel.
- Circuit breakers dash-mounted for accessibility.
- Reliable rubber encased toggle switches protect against dust and moisture.
- Human engineered low effort control levers.
- For fleet owners — all hydraulic crane controls are identical for ease of operation.
- Standard cab features:
  - Six-way adjustable seat.
  - Tinted glass.
  - Swing-up top window — gas cylinder supported.
  - Sliding windows for excellent visibility & ventilation.

Tilt/telescoping steering wheel for enhanced accessibility. Steering wheel tilts out of the way for crane operation.

Maneuverability
Three-mode full power steering

Convenient dash-mounted toggle switches offer choices of 2 or 4-wheel drive and three steering modes - all controlled from the steering wheel.

Two-wheel Steer  Four-wheel Steer  “Crab” Steer
Hoist Systems — Matched to your job requirements

- 3 design types
- Equal size main and auxiliary winches sized to machine capacity
- Freefall — Link-Belt exclusive design

**Model 1M Winch**
One speed power up/power down
Single speed hydraulic motor, planetary gear drive with integral automatic brake and 5° sloped flanges.

**Model 2M Winch**
Two speed power up/power down
Two speed hydraulic motor, planetary drive with integral automatic brake and 5° sloped flanges.

**Model 3M Winch**
Two speed power up/power down PLUS True Gravity Controlled Freefall.
Two speed hydraulic motor, planetary drive with integral automatic brake and 5° sloped flanges PLUS Link-Belt's exclusive drum brake assembly-optional.

The model 3M winch is activated by 3 simple steps that provides the user unsurpassed performance in duty cycle operation. The system has built-in dead-man overrides that prevents inadvertent activation of the freefall system. The 3M winch features:

- Dual independent braking system.
- Cooler running hydraulic system.
- Less component wear.
- High line speeds.

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State-Of-The-Art Systems — Clean, efficient designs

**For Fleet Owners**
One 6 micron hydraulic filter fits 22 different Link-Belt hydraulic crane models. This design concept reduces your parts inventories and simplifies servicing.

**Accessibility Designed In**
Rotating joint has split flange fittings and clearance for accessibility.
Separate modular valves for each circuit provide simplified routings for accessibility.

**Simplified Routings**
All Link-Belt hydraulic cranes incorporate well thought out routings for easy access. Fittings and connections are staggered where necessary for quick and easy servicing.

**Quick Disconnects**
Standard on all hydraulic cranes for fast convenient system pressure checks.
Link-Belt’s Patented Boom Design

Embosed sidewall stiffeners with no-weld corners

**Boom Concept**
The arrangement of high strength angle chords (corners) with high formability steel sidewalls (embossments) places the most steel at corners where maximum stress is concentrated. The result: maximum strength with minimum weight.

**Embosed Sidewall Stiffeners**
Increases sidewall stiffness.

**Angle Chords**
100,000 psi high strength steel angle chords are precision machined for boom sidewall overlap. This design allows all interior and exterior boom welds to be offset or staggered for maximum structural integrity.

**Diamond-Shaped Punchouts**
Reduces boom weight while enhancing accessibility.

**Sidewall Design Concept**
Not only do the embossments increase sidewall stiffness, but because of their placement, they naturally transfer stresses uniformly to the high strength angle chords (corners)—a concept derived from Link-Belt lattice boom technology.

**Time Proven Boom Design**
Over a decade and thousands of hydraulic crane booms later, Link-Belt’s exclusive, patented design is unchanged — state-of-the-art — before its time, providing superior capacities, tip heights and reliability.

It is true testimony to Link-Belt’s engineering design achievement that this design concept is being imitated today for optimum performance.

**NO WELDS IN HIGH STRESS CORNERS**

**Stowable Attachments**
A-Frame Jib can also be removed for increased fly capacities.

**Attachment Flexibility**
Your choice:
- 2 section boom — 49’ 6”
- 3 section booms — up to 85’
- 4 section booms with power manual section — up to 110’
- Stowable flies — one piece, lattice — up to 33’
- Stowable A-Frame Jibs — offsets to 5°, 17½° or 30° — up to 25’
Designed-In Added Value—Reliable components and access to serviceable items

- **Centralized Electrical System**
  Because all instrumentation is dash mounted, 4 bolts remove the panel to quickly & easily expose the electrical system.

- **State-of-the-Art Wire Harness**
  All Link-Belt hydraulic cranes have Packard XL automotive-type wire harnesses throughout for outstanding long term reliability.
  - For fleet owners, all models feature uniform routing of wire harnesses.

- **Circuit Breakers**
  In-the-dash circuit breakers are easily resettable within reach of the operator. No fuses or In-line problems.

- **Color-coded, Numbered Wiring**
  All Link-Belt hydraulic cranes feature numbered, color-coded wiring that is encased in a protective sheath. Brass spade-type connectors greatly improve reliability. Uniform routing makes servicing and troubleshooting easier than ever before.

- **Accessible Collector Ring**
  Quick removal of a protective cover exposes the collector ring, with the boom at any angle.

Link-Belt Hydraulic Rough Terrain Cranes are made in the USA and deliver the industry's finest combination of performance features, PLUS, state-of-the-art "designed-in" reliability and serviceability features. Your Link-Belt distributor stands ready to assist you in discovering the industry's best investment.

Authorized Link-Belt Distributor

Link-Belt Construction Equipment Company Lexington, Kentucky 

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