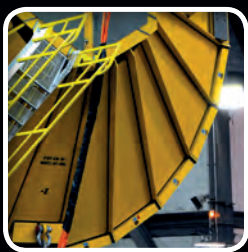
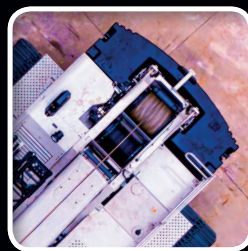


# ACT & T

# SOURCEBOOK 2021

A KHL Group Publication

[www.khl.com/act](http://www.khl.com/act)



- North American Crane Guide
- Manufacturers' and Services Directory
- Specialized Transport Manufacturers' Directory
- **ACT** Top Lists
- 2021 Events Diary

# Rent & Roll!

Your Link-Belt distributor's rental fleet has you covered with in-stock RT's featuring long reach, one person fly system & great capacities!



[www.linkbelt.com](http://www.linkbelt.com)  
**Link-Belt** 24/7  
*Preferred*  
The online answer to all of your Link-Belt Crane questions.

# Link-Belt®

## C R A N E S

Lexington, Kentucky | [www.linkbelt.com](http://www.linkbelt.com)

**YouTube**  
Link-Belt Cranes

Like us on  
**Facebook**  
Link-Belt Cranes

**@LinkBeltCranes**



# The resource

**T**he 2021 *American Cranes and Transport Sourcebook* is our annual yearbook of the crane, rigging and specialized transportation sector. This publication features all of the most pertinent information printed in *ACT* in 2020, as well as our exclusive North American Crane Guide. For more than a decade, the *Sourcebook* has been a constant in the digital and hard copy libraries of crane rental companies, specialized transportation services companies, OEMs and pretty much the who's who of the industry. The *ACT Sourcebook* is the only place to find our annual *ACT* Top Lists, including the **ACT 100**, **ACT TRANSPORT 50**, **ACT SPECIALIZED LIFTING 50** and **ACT TOWER CRANE 50** all in one place.

The North American Crane Guide contains current information about 13 categories of cranes and lifting equipment. All of the OEMs listed provided the information about their current product lines that are marketed in North America. This information is also exclusive to the *ACT Sourcebook*.

The directory section of this publication is divided into two parts: the Specialized Transport Manufacturers' Directory and the Manufacturers' & Services Directory, the latter of which lists companies in 22 categories that provide products and services pertinent to the industry in North America. The 2021 *ACT Sourcebook* is delivered in hardcopy format, a downloadable digital issue or a tablet edition.

Producing the *ACT Sourcebook* allows our editorial and advertising team to touch base with the entire database of companies in our industry. Because of the cooperation from these entities, the *Sourcebook* is a valuable resource. Our goal is to assess the most important information from each year and amalgamate it into this publication. The 2021 edition features our coverage of the SC&RA's Job of the Year Awards as well as pertinent information from the SC&RA, NCCCO, National Interstate Insurance and NBIS.

Many thanks to the companies that make our directories and guides possible by updating the surveys and spreadsheets. Please let me know if you would like to be a part of our annual *ACT* Top Lists and other surveys specific to the crane, rigging and specialized transportation industry. Send me an email and I'll take care of it.

## D. ANN SLAYTON SHIFFLER

### Editor

KHL Group Americas, 30325 Oak Tree Drive,  
Georgetown TX 78628.  
Ph: 512-868-7482, E-mail: d.ann.shiffler@khl.com



## KHL CRANE PORTFOLIO



### ACT 100

### ACT TRANSPORT 50



**KHL**  
**Cranemarket**  
The online market place for buyers and sellers of used cranes  
[www.khlcranemarket.com](http://www.khlcranemarket.com)

**Worldcrane**week  
Global news from International Cranes and Specialized Transport and American Cranes & Transport  
[www.worldcraneweek.com](http://www.worldcraneweek.com)

**World**constructionweek  
The latest global construction news from International Construction and Construction Europe  
[www.worldconstructionweek.com](http://www.worldconstructionweek.com)

Subscribe to our tablet edition by visiting <https://play.google.com/store/apps/details?id=com.magazinecloner.americancranes> or <https://itunes.apple.com/gb/app/american-cranes-transport/id571668813?mt=8>

## Editorial

### Editor:

D. Ann Slayton Shiffler  
e-mail: d.ann.shiffler@khl.com  
Tel: 512 868 7482

### Assistant editor:

Hannah Sundermeyer  
e-mail: hannah.sundermeyer@khl.com  
Tel: 913 259 8060

### International editor:

Alex Dahm  
e-mail: alex.dahm@khl.com

### Assistant international editor:

Christian Shelton  
e-mail: christian.shelton@khl.com

### SC&RA Correspondents:

Tim Hillegonds, Mike Chalmers

## Production

### Production director:

Saara Rootes  
e-mail: saara.rootes@khl.com

### Production manager - KHL Americas:

Brenda Burbach  
e-mail: brenda.burbach@khl.com

### Senior production executives:

Anita Bhakta  
e-mail: anita.bhakta@khl.com

Charlotte Kemp  
e-mail: charlotte.kemp@khl.com

### Design manager:

Jeff Gilbert

### Events design manager:

Gary Brinklow

### Print & digital designer:

Mitch Logue

### Designer:

Jade Hudson

## Circulation

### Circulation & data manager:

Helen Knight  
e-mail: helen.knight@khl.com

### Office manager:

Samantha Head  
e-mail: samanth.head@khl.com

### Fax subscriptions to 312 626 2115

## Sales

### Sales manager

**MATT BURK**  
205 W. Randolph St., #1320  
Chicago, IL 60606  
Tel: 312-496-3314  
Cell: 773-610-9467  
e-mail: matt.burk@khl.com

### National account manager

**BEV O'DELL**  
1000 SW Rainbow Lane  
Blue Springs, MO 64015  
Tel: 816 886 1858  
Cell: 816 582 5253  
e-mail: bev.odell@khl.com

### DIGITAL MEDIA DIRECTOR

Peter Watkinson  
e-mail: peter.watkinson@khl.com

### CHIEF EXECUTIVE OFFICER

James King

### CHIEF FINANCIAL OFFICER

Paul Baker

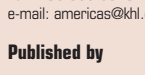
### PRESIDENT & CHIEF OPERATING OFFICER

Trevor Pease

### KHL GROUP AMERICAS LLC

3726 E. Ember Glow Way,  
Phoenix, AZ 85050  
Tel: 480-659-0578  
Fax: 480-659-0678  
e-mail: americas@khl.com

### Published by



[www.khl.com](http://www.khl.com)

## Publisher's note/disclaimer

The *ACT Sourcebook* was compiled either by information obtained from an e-mailed survey or by using KHL's own custom developed on-line live database software to ensure that the information contained in these pages is as complete and accurate as possible. In some cases where equipment specifications were not updated, we relied on data supplied to the *International Cranes and Specialized Transport's World Crane Guide*, which was updated by the manufacturers in November 2020. *American Cranes & Transport*, KHL Group and the editors accept no responsibility for errors or omissions, missing information or incomplete information. The data contained in the crane guide is meant to be a purchasing or information guide only, not suitable for crane operators to use when operating a crane. Should you have equipment that is not listed in the tables please contact the editor, D. Ann Shiffler, to assure you gain access to the on-line updating system or receive a survey during the next updating cycle. This will ensure that your equipment is listed in the next edition, which will be compiled at the end of 2021.



# NORTH AMERICA'S LEADER IN SPECIALIZED TRANSPORT



We turn impossible hauls into possible hauls, leading the industry in innovation. Trail King manufactures a wide variety of custom hauling solutions for the specialized transport industry, including multi-axle suspension beam and dual lane transport trailers, steerable dollies and schnable necks, wind turbine blade haulers, and so much more. We specialize in designing custom solutions for hauling your unique loads.

    @trailkingind  
800-843-3324 | trailking.com

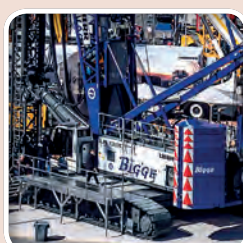
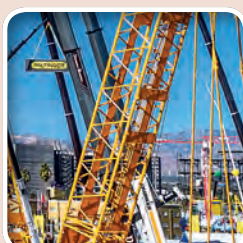
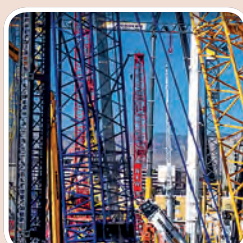
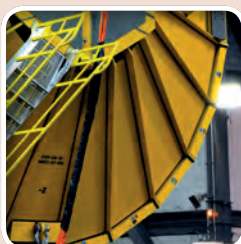
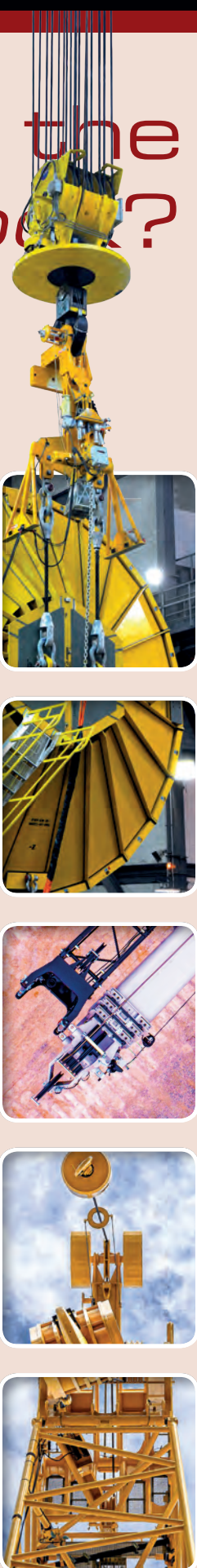
Check out more custom specialized rigs on our Youtube channel!



# TRAIL KING

# What's in the Sourcebook?

Member of



- About KHL Group** 7
- Lift & Move USA** 8
- SC&RA Jobs of the Year** 11
- NCCCO News** 22
- NCCCO Foundation** 24
- SC&RA News** 29
- Risk Management** 36
- ACT100** 41
- ACTTRANSPORT50** 51
- SPECIALIZED LIFTING50** 57
- ACTTOWERCRANE50** 63
- Events Diary** 67
- Conversion Tables** 68
- Crane Guide** 71
  - MOBILE CRANES** 72
    - All Terrains 72
    - Rough Terrains 74
    - Truck Cranes 76
  - BOOM TRUCKS** 77
  - CRAWLER CRANES** 82
  - TELESCOPIC CRAWLERS** 85
  - MEGA CRANES** 86
  - TOWER CRANES** 86
    - Luffing Jib 86
    - Saddle Jib 91
    - Self-erecting 99
  - ARTICULATING CRANES** 101
  - INDUSTRIAL CRANES** 106
  - RUBBER TIRED GANTRY CRANES** 111
- Specialized Transport** 114
- Manufacturers' & Services Directory** 117
- Manufacturers' & Services Directory** 117
- Marketplace** 152

# a1s Software

Your Data, Your Way

## The Leader in 3D Lift Planning

*Now bringing you more business tools  
for the unique needs of the crane industry.*

### iCraneTrax



### Plug & Play Telematics



### 3D Lift Plan



Sales & CRM Tools



GPS Tracking



Realistic 3D, Animation,  
Import Google Earth or CAD



GPS, Telematics &  
Maintenance Info



Maintenance Scheduling



Outrigger & Crawler Loads



Dispatch & Documentation



Faults/Alerts Notifications



Detailed Rigging Plans



Detailed Reports



Usage Data



Largest Database of Cranes



# The KHL portfolio

KHL is the largest and most-respected provider of international information for the construction and power sectors. The international group, with offices in North and South America, China, India, UK, Germany and Italy with supporting offices across the globe, offers the following products and services:

## MAGAZINES

- Access International
- Access Lift and Handlers
- American Cranes and Transport
- **COMPRESSORTECH**<sup>2</sup>
- Concreto LatinoAmericana
- Concreto Latino-Americana
- Construção Latino-Americana
- Construcción LatinoAmericana
- Construction Europe
- Demolition & Recycling International
- Diesel & Gas Turbine Worldwide
- Diesel Progress
- Diesel Progress International
- International Construction
- International Construction Turkiye
- International Cranes and Specialized Transport
- International Rental News
- New Power Progress
- Vinc Proje Tasimaciligi

[www.khl.com/subscriptions](http://www.khl.com/subscriptions)

## NEWSLETTERS

- Access International Newsletter
- Access, Lift & Handlers Newsletter
- **COMPRESSORTECH**<sup>2</sup> Newsletter
- Construção Latino-Americana
- Construcción Latinoamerican
- Construction Europe Newsletter
- Construction Technology News
- Demolition & Recycling International Newsletter
- Diesel & Gas Turbine Worldwide Newsletter
- Diesel News Network
- ERA Rental Weekly
- International Rental News Newsletter
- KHL Crane Market
- NewPowerProgress
- Off-Highway Research Global Market Briefing
- World Construction Week China
- World Construction Week
- World Crane Week

[www.khl.com/newsletters](http://www.khl.com/newsletters)

## EVENTS

- ALH Conference and Awards
- Cranes and Transport Latin America
- Cranes and Transport Middle East
- Demolition Conference Turkey
- Diesel Progress Summit
- ESTA Awards of Excellence
- European Rental Awards
- International Awards for Powered Access
- International Cranes & Transport Asia Pacific
- International Cranes & Transport Turkey
- International Rental Conference Asia
- International Tower Cranes Conference
- New Power Progress Summit
- Off-Highway Global Briefing
- Rental Turkey Conference
- Tower Cranes North America
- World Crane and Transport Summit
- World Demolition Summit

## EXHIBITIONS

- APEX
- APEX Asia
- International Rental Exhibition

[www.khl-events.com](http://www.khl-events.com)

## EVENT NEWSLETTERS

- APEX Daily & Preview
- Bauma China Daily & Preview
- Bauma Daily & Preview
- bC India Daily & Preview
- Conexpo Daily & Preview
- Diesel Progress Summit Newsletter
- Intermat Daily & Preview
- International Tower Cranes Newsletter
- IRE Daily & Preview
- Live@Agritechnica
- Live@Intermat
- World Demolition Summit Newsletter

[www.khl.com/newsletters](http://www.khl.com/newsletters)

## EQUIPMENT GUIDES

- Access Yearbook
- American Cranes & Transport Sourcebook
- **COMPRESSORTECH**<sup>2</sup> Sourcing Supplement
- Demolition and Recycling Buyers' Guide
- Power Sourcing Guide
- World Crane Guide
- Yellow Book

[www.khl-infostore.com](http://www.khl-infostore.com)

[www.khl.com](http://www.khl.com)



INFORMATION THAT BUILDS AND POWERS THE WORLD

# Lift & Move adapts and overcomes

In light of the current environment, the work-force program encourages the industry to find new ways to engage.

In what has certainly been a truly unusual 2020 for everyone, industry members have had to learn to adapt to a new normal and continue to maintain a “business as usual” mentality. But alongside the challenges of a global pandemic, businesses that rely on people with technical skills have continued to face a shortage of qualified workers in epidemic proportions in recent years. Baby boomers, representing a large number of the most skilled workers, are retiring. In addition, the last few generations of young people were encouraged to pursue bachelor’s degrees over skilled trades, further shrinking the available labor pool.

## Program support

Workforce development is a priority for Lift & Move USA program which is famous for holding in-person career exploration events hosted by SC&RA member companies on location at their facilities. The hands-on, demonstration focused events expose high school and post-secondary age students to the various skills needed for the jobs and career paths available in crane, rigging, and specialized transportation operations.

Lift & Move USA is governed by a

13-member committee reporting to the Specialized Carriers & Rigging Foundation, a 501(c)(3) nonprofit organization that supports SC&RA member companies. The program is supported by the Specialized Carriers & Rigging Association, Specialized Carriers & Rigging Foundation, NCCCCO Foundation and in media partnership with KHL Group.

## Employer resources

In what started as a robust year for the program, the newly established SC&RF Lift & Move Governing Committee met for the first time in January 2020, in hopes of establishing better synergies between the supporting organizations, while creating new involvement opportunities for crane, rigging and transportation industry representatives.

In March, Lift & Move participated in a new Workforce Solutions area at ConExpo in Las Vegas, NV. More than 350 students from Clark County School District visited the area to check out the booth which featured an interactive presentation about the role of crane, rigging and



In March 2020, Lift & Move USA participated in a new Workforce Solutions area at ConExpo in Las Vegas, NV.

specialized transportation operations in the construction of Allegiant Stadium, the new home of the NFL’s Las Vegas Raiders.

Unfortunately, shortly after the Vegas event, the Covid-19 virus reached the United States and ultimately caused the organization to table any remaining in-person events for the remainder of the year. But now more than ever, students are plugged into their phones, laptops and a variety of social media- making them even more receptive to digital information. To supplement this, Lift & Move USA launched a new website and expanded social media efforts exponentially. As more and more people are tuning into the online space, the newly revamped website showcases the careers, industries and types of work related to this specialty field. Additional resources

## Stay in touch

 @LiftMoveUSA

 Lift & Move USA

 @liftandmove

 Lift & Move USA







it is virtual visits to classrooms, videos of people working in different roles and explaining their job, project-based activities and materials or even real-world scenarios, students are eager and receptive to this new way of learning.

To supplement the digitalization of the coming months, Lift & Move USA also produces two newsletters. These are primarily geared toward students and teachers; however, industry professionals are welcome to sign up for them. Those interested can sign up at [www.liftandmoveusa.scr-foundation.org/newsletter-subscribe/](http://www.liftandmoveusa.scr-foundation.org/newsletter-subscribe/)

Since its creation in 2015, Lift &

Move USA has held hands-on field events for more than 4,500 students in 15 cities. The program encourages participating companies to share their success stories post-event. Whether it is a student who has been hired onto your team or growing community outreach, the program would love to hear about it. A form

can be found at [www.liftandmoveusa.scr-foundation.org/contact-us/](http://www.liftandmoveusa.scr-foundation.org/contact-us/)

“ There are many ways to provide resources and nurture learning outside of in-person events. ”

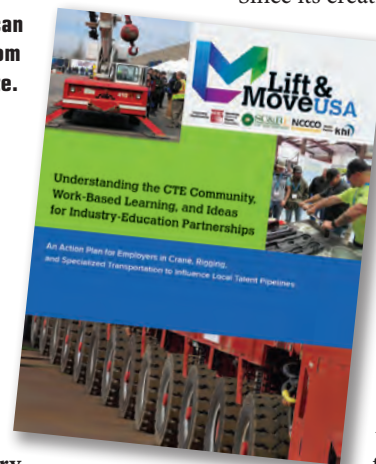
**STEPHANIE BRAGG, Chair,  
Lift & Move Governing Committee**

include information on where to get training, certifications and scholarships. Industry professionals can also find ideas for engaging with students, parents and educators in their local area.

A notable new resource is an action plan for employers: Understanding the CTE Community, Work-Based Learning,

**An employer action plan can be downloaded directly from the Lift & Move USA website.**

and Ideas for Industry-Education Partnerships. The document, which includes a Lift & Move Event Hosting Manual, can be downloaded directly from the Lift & Move USA website at [www.liftandmoveusa.scr-foundation.org/action-plan-for-building-industry-education-partnerships/](http://www.liftandmoveusa.scr-foundation.org/action-plan-for-building-industry-education-partnerships/)



## Industry involvement

In October, Lift & Move USA promoted Careers in Construction Month and shared the availability of the action plan for employers. Despite the ongoing global pandemic, schools are still looking for industry partners to provide real-world lessons about careers in our industry. Even if field trips and in-person style events are not possible, there are many creative ways in which employers can stay engaged and involved. Whether

**More than 350 students from Clark County School District visited the area to check out the booth featuring an interactive presentation about the role of crane, rigging and specialized transportation operations.**

## Staying engaged

It's probable that next year will continue to be a challenge in terms of in-person events and other obstacles as a result of the pandemic. However, there are many ways employers can stay engaged with workforce development, especially through the SC&R Foundation. "Schools are still desperately in need of outreach from our industry," said Stephanie Bragg, chair, Governing Committee. "Whether you are able to support funding for scholarships, become a Partner in Education or even volunteer to help with the creation of video blogs, there are many ways to provide resources and nurture learning outside of in-person events." ■



# Experience the Progress.





**EXCLUSIVE**  
SPECIAL  
SECTION

Compiled by: **D. Ann Shiffler**  
and **Hannah Sundermeyer**

# Virtually amazing!



**BARNHART CRANE & RIGGING**



**OXBO MEGA TRANSPORT SOLUTIONS**



**BARNHART CRANE & RIGGING**



**FAGIOLI**



**EMMERT INTERNATIONAL**



**TRANSPORT WATSON**



**OXBO MEGA TRANSPORT SOLUTIONS**

A double cantilever system was the solution for removing and replacing a 9,600-pound damper around a slew of obstacles.

# Doubling down

**B**arnhart Crane & Rigging often solves challenges that seem impossible. Removing and replacing a 96,000-pound Bellowseal damper at a northern Iowa cement plant gave Barnhart the opportunity to test its toolbox of solutions. Performing this job would mean innovating a new solution.

With slanted sidewalls, there was no room for a conventional crane boom or the ability to drop a hook from above. Numerous overhead obstructions could not be removed, including more than 40 feet of 8-foot diameter stainless ductwork. The approach would require bending around a corner of 180 degrees.

After collaborating with its engineering team, Barnhart asked this question: What if we used a double cantilever system to reach all the way around the corner? Within a short timeframe, Barnhart would use existing tools and fabricate a new tool. The Barnhart Double Cantilever would allow a way to reach completely between two walls and around the corner without the crane boom or hook ever coming close to the interferences.

Coupling Barnhart's Mini Moving Counterweight Cantilever System, (MOCCS) with a custom multi-pick beam configured as a secondary cantilever allowed for a distinctive solution. Via remote control, the Mini MOCCS can safely balance the initial load before lifting. This was paired with a secondary cantilever that was adjusted precisely by chain-fall with the damper sitting safely in its resting place.

Barnhart's lift director conducted a symphony of movements: signaling to cable the crane up while radioing to the Mini MOCCS operator to adjust counterweight remotely and communicating with the secondary cantilever operator to adjust the chain-fall. This was done harmoniously while maintaining level and safe distances until the old damper was gently raised into the air to make its journey out of the plant.

Barnhart tested the concept at its

location in Grimes, IA. They wanted to be sure they had the right team in place and to mock-up the rigging and execution to verify potential hazards and mitigate potential risks. Once the team was 100 percent confident the solution would work, the plan was put in motion.

On the day of the lift, Barnhart's team conducted a pre-lift safety meeting. They walked through the process, discussed the approach and addressed potential problems. Full PPE was assured.

Barnhart's 275-ton capacity GMK 5275 all-terrain crane and the double cantilever method were put to work under the direction of a single lift director coordinating all operations. Safety was always top of mind.

## Swivel solution

Components were rigged with swivels to allow for articulating and to bend around a corner for both extraction and installation. Barnhart worked with the damper manufacturer to engineer and install a safe lifting point.

A custom multi-pick beam was utilized as the secondary cantilever. The system had to reach under the slanted sidewall, over the ductwork, between the buildings and around the corner. It glided effortlessly through the air to make its initial connection and lift. Due to the tight corner and tolerances, it eventually



became a blind lift for the crane operator. The old damper was removed and lifted above the existing ductwork while the rigging and operations crew worked in concert. Catwalks were used for access and to maintain safe distances from objects overhead.

And then this all happened again, in reverse order, to install the new damper. Carefully negotiating all the same obstacles, the team reinstalled the new Bellowseal damper.

Barnhart successfully designed a method that eliminated the need to deconstruct a significant number of components and obstructions, completed the project in a tight window of time and saved the plant a lot of money. The dampers were removed and replaced in one 10-hour shift. The customer presented the project at its maintenance and operations meeting and won an award for innovation and expense management.

Barnhart's core values were on full display, with safety leading the charge. This job completed without incident in a facility governed by MSHA guidelines. ■



**RIGGING**  
\$150,000  
to  
\$750,000

## OXBO MEGA TRANSPORT

Oxbo lifted and installed a 300-foot pedestrian bridge using two complicated lift and move systems.

# Trestle wrestle

The new Grand Avenue Park Bridge in Everett, WA was a win-win situation for the Puget Sound-area community. The \$20 million project involved the placement of new stormwater and sewer pipes that will prevent flooding, and the new truss is also a pedestrian bridge that provides convenient access from across Grand Avenue Park to the waterfront.

Oxbo Mega Transport Solutions was contracted to lift and install the 300-foot-long pedestrian bridge that weighs almost a million pounds. There were many challenges to installing the steel structure including an extremely tight jobsite with high voltage power lines, installation of the bridge over live Burlington Northern-Santa Fe Railroad tracks and ground conditions that required analysis and remediation. Other challenges included a nearby restaurant building in close proximity to the jobsite and the seawall location.

Placing the 500-ton bridge that is about the length of a football field in a harbor area required a comprehensive plan that started with ground and soil assessments to assure stable ground conditions for the stand jack lifting towers and the SPMT systems that would be used to position the bridge and lift it into place, on one end a foundation built into the hillside and the bridge tower support on the other end. Planning started in July of 2018 and the project was completed in October of 2019.

Ground stabilization included dredging and filling with road fill and fine-grained sand. The groundwater level also had to be assessed and recent rains delayed the start of the bridge installation for a couple of weeks. A cribbing system was designed to be placed under the four strand jack lifting towers. The cribbing system included steel plates, railroad ties and additional wooden cribbing. Ground contact pressure had to be assessed and monitored.

Oxbo's crew worked with the contractor team to develop a plan for picking up the bridge, loading it onto a sophisticated 176-tire SPMT system, moving it to the lifting



towers where it would be lifted to a height of 36 feet, building a cribbing system on a reformatted SPMT system underneath the bridge, lashing the bridge back to the cribbing and SPMT system and then moving and rotating the bridge again to be installed on its foundation on either side of the roadway.

On the weekend before the move, Oxbo crews began constructing the cribbing and the strand jack lifting tower systems. Two beams between each set of towers were designed to hoist the bridge structure up to the designated height.

### Complicated lashing

The SPMT was driven underneath the steel bridge that was sitting on jacks on the west side of the roadway. The truss was lashed to the transporter using lashing chain, shackles, turnbuckles and binders and nylon steel slings. The SPMT drove the transporter to the middle of the road so that the lift towers could be constructed. The lifting beams were placed between the two southern and northern towers. The SPMT then positioned the bridge between the two lift tower beams where it was lifted up 36 feet. The SPMT system below the bridge was then reconfigured and a lift stack cribbing system was built to support the lifted bridge.

The Goldhofer PST-SLE SPMT system

was rigged with an Oxbo lift stack, or truss crib stack. Lift caps consisting of additional cribbing were at the top of the lift stack. The bridge was lashed to the top caps on the two-file SPMTs. Once the bridge was fully placed on the lift stack on the SPMT, the south strand jack tower was disassembled.

The bridge was then painstakingly rotated to a 90-degree angle to the highway, a very tedious process due to the tight jobsite conditions, power lines and the railroad below. There was also a restaurant building that needed to be avoided.

The SPMT system then continued the bridge's journey to the east, at last placing the eastern end of the bridge on its foundation that had been built into the hillside. It was then bolted and lashed to the foundation. Next, the southern end of the bridge was lifted and secured on the bridge tower.

Bearings that were built into the bottom of each bridge end section were slid and locked into place on the hillside location and on the bridge tower support. The truss was then bolted into place.

The project was firm fixed price and Oxbo was subcontracted to Interwest Construction. Oxbo subcontracted part of the equipment rental, engineering and labor to Nordholm Companies.

There were no recordable injuries or illnesses.

# Sticking it!

Removing and replacing two feedwater heaters at a nuclear power plant was a success at all angles.

**R**emoving and replacing feedwater heaters (FWHs) in a live nuclear plant presents some heady challenges. After a six-year delay, the BWR nuclear power plant in Georgia called on Barnhart Crane & Rigging to achieve this monumental task.

The Alpha and Bravo 8th stage FWHs were in the basement of the turbine generator building. The critical path project was scheduled during a 30-day refueling outage.

For engineering purposes, the plan would revolve around the larger replacement FWHs that were 44 feet long, 9 feet wide weighed 143,000 pounds. The old heaters were on a 112-foot elevated floor that was congested with columns, piping, conduit, unlevel flooring, drains and a recessed machine track. The FWHs would need to travel through the building and be lifted and through the equipment hatch to a 164-foot elevation turbine deck. There was not a straight or clear travel path.

The hatch opening – 36 feet long by 11 feet wide – wasn't large enough for the heaters to be removed in a horizontal position. A turbine steam pipe was in the way, making the lift window smaller. The heaters would need to be tipped at an angle through the hatch.

Using scanning data, a dimensional window for the travel path was created. At the hatch opening, there was one inch of clearance on each side of the heaters. The heaters would have to be tipped at steep angles to avoid interferences.

Due to OEM warranty restrictions, the new FWHs could not be tipped to an angle greater than 69 degrees. Due to the headroom and the rigging angles, standard rigging practices for tipping with chain hoists became problematic due to the redundant rigging procedures required.

Using CAD modeling, it was determined that Barnhart's 150-ton capacity Tipstick was the solution. It has a movable lifting point that allows it to balance and rotate a load from a single hook. Knowing the plan would undergo heavy scrutiny, Barnhart

executed a mock-up of the lift.

Using a concrete-filled vessel with additional counterweight, a functional load test was performed to test 125 percent of the load weight for the Tipstick.

## Trial run

The mockup was performed at Barnhart's Port of Memphis using its 1,250-ton capacity derrick crane and a 70-foot tall scaffolding structure that replicated the hatch opening. They used one of the actual replacement heaters for the mockup, which assured that the Tipstick could function at the set angles. The Tipstick had never lifted and tipped this much weight to a 65-degree angle. The mock lift was executed in 10 mph winds without a bump.

The job began with 50-ton jacks raising the heaters to install a 100-ton lite slide track system. The FWHs were skidded about four feet to the north, the fronts jacked up to transition from the slide track to the powered roller saddle. The steerable roller system with a bolster plate allowed the front of the heaters to maneuver around the columns. This process was repeated to transition the tailing end of the heaters and maneuvered to the equipment hatch.

The old FWHs were staged under the hatch, waiting to be lifted out.

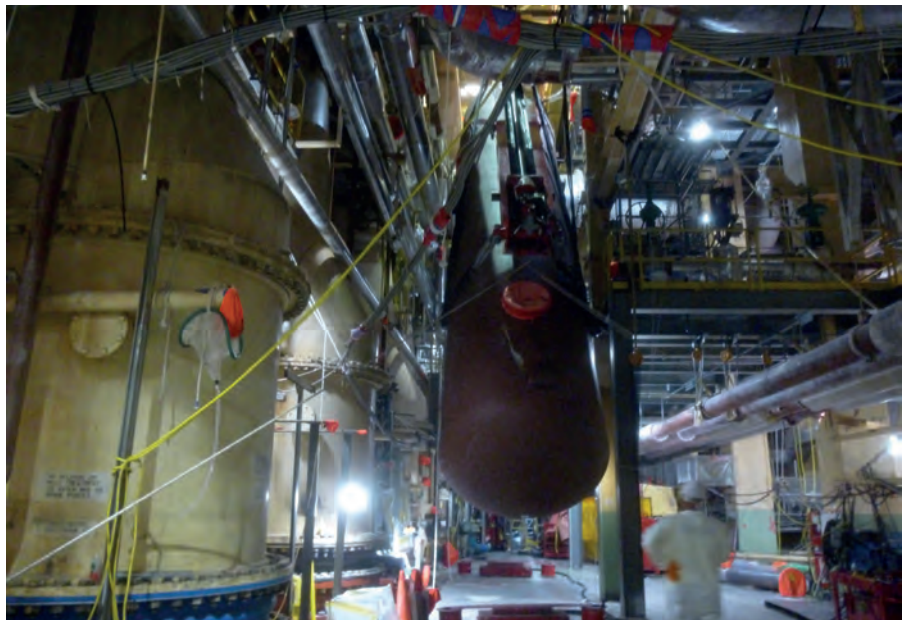
Inclinometers were monitored closely to confirm the rigging and tipping angles. Once leveled to a horizontal position, the overhead crane transported each FWH to a bay opening and lowered it to a Goldhofer trailer.

The larger replacement heaters were installed in reverse order. The process to go from a horizontal position to a 65-degree angle took about 20 minutes. The tipping operation from a horizontal position on the turbine deck to the horizontal position in the basement took an hour and 15 minutes.

Because the new FWHs were larger, this is where the one inch of clearance came in. Tag lines and spotters kept the heaters clear of obstacles. After arriving to their machine track locations, the heaters were jacked up and lowered to their rough-set positions.

The innovative bolster plate for the 100-ton slide system allowed the heaters to pivot while maneuvering on the steerable powered roller saddles. The extension plate was bolted to the jack stands, providing support, much like training wheels on a bike. The overhead crane operator, Tipstick operator and flaggers communicated using Telecom headsets. Crews were in full dress-out PPE.

The customer scheduled 30 shifts for the job. It was finished in 24 1/2 shifts. The result was zero safety incidents and a happy customer. ■



**RIGGING**  
Over  
\$2 MILLION

**FAGIOLI**



With safety at the forefront, Fagioli removed huge concrete sections of the Morandi bridge in Genoa, Italy.

# Tedious demolition

**O**n August 14, 2018 a 688-foot section of the Morandi bridge collapsed in Genoa, Italy.

Fagioli was contracted to engineer the demolition and removal of the unsafe steel and bridge sections and piles from the old viaduct. Fagioli would use a bevy of equipment: strand jack and tower lift systems, 28 axle lines of SPMT, two 600-ton crawler cranes and three other cranes, a gantry lifting system and modular trailers. The fast track project started in February 2019 and finished in July.

The first central bridge section to be removed weighed 916 metric tons and measured 36 by 18 meters. It was removed using two strand jack systems. The jacks used for the lowering operation were positioned onto cantilever beams provided with four additional strand jacks to balance the whole structure. Two support beams were transversally positioned underneath the western and eastern bridge pylons to anchor all the lifting/lowering structure. On the eastern bridge pylon another structure was positioned at the top end of the bridge with two additional strand jacks with counterweights with the task of providing a counterbalancing action during the lowering.

The 916-ton bridge deck was lowered by a strand jacking system at a speed of 5 meters per hour. Following the same procedure – positioning of the counterweights and strand jacks; removal of deck constraints such as fixed and mobile joints; lifting action of the beam by a few centimeters; cutting operation with diamond wires – the remaining beams (weighing from 850 to 916 tons) were lowered by the strand jacking system over the next two months. Each section was taken away by Fagioli SPMTs.

## Crawlers dispatched

In March, Fagioli dispatched five cranes to the jobsite. The two main cranes were Demag CC-2800 crawlers in SSL configuration.

Asbestos slowed operations and cutting was subjected to irrigation of water that was collected and analyzed. Asbestos danger thresholds were never exceeded.

Demolishing the V-shaped piles required boring holes for the passage of slings. Pillars were sectioned to two-thirds of their height by oblique cuts to allow them a rotation towards the outside and make the lowering by crane easier. Once the piles were removed, the beams were cut into sections and the strand jack system

was used to lower them for hauling away.

Dust mitigation was necessary and functional tests were made to assure the exact positioning of the explosives to obtain the expected kinematic motion.

For planning purposes, the viaduct was divided into two sections. On the west side, there were a series of eight piles with inclined “V” shaped columns embedded at the base. They had an average length of 36 meters and a height of 45 meters. To the east side there were two large cable-stayed piles with cantilever spans, 180 meters long and 90 meters tall.

To remove these piles, three pairs of Fagioli lifting towers were erected, two for each pile and each 50 meters tall, positioned on cast concrete foundations. The lifting towers temporarily supported the three cantilever beams of the piles from below, in the event of structural collapse of the stays. The lattice lifting towers and beams were designed for two load combinations: the first called “service,” with loads imposed by the hydraulic system on the concrete structure equal to 600 tons per pair of towers (load not factored), and the second called “exceptional” with loads imposed on the hydraulic system from the concrete structure equal to 2,400 tons per tower pair (load not factored). To increase precision and monitor the load transmitted to the reinforced concrete structure, a reading system with load cells was developed. The Fagioli Loadcells Reading System had an accuracy of 0.5 percent and was monitored 24/7.

Operations were executed under huge media pressure and constant government oversight. Safety was the most demanding aspect, considering the poor conditions of the remaining bridge sections and the asbestos. Engineering required hundreds of drawings and calculations. There were zero accidents or incidents.

The new bridge, designed by Architect Renzo Piano, is being built in the same location. ■

## TRANSPORT WATSON

**HAULING**  
Under  
160,000  
Pounds



# Holiday haul

After months of preparation, surveying and permitting, Transport Watson completed the successful winter transport of two air dryers to a new paper mill.

In May 2019, Transport Watson was contracted by a Swedish-based company to transport equipment to a new paper mill that was to be built near Sherbrooke, Quebec. The scope of the work included receiving two gigantic air dryers from a ship hook and transporting the 155,000-pound “monsters” to the new Kruger Tissue plant. With dryer dimensions of 135 feet long, 16 feet wide and a height of 17 feet, Transport Watson quickly realized that this project would require months of preparation. Initially, the customer’s request was to perform physical route surveys from the Port of Valleyfield and the Port of Cote-Saint-Catherine in Quebec. However, an expert concluded that these two ports of entry were not accessible, and the shipping agent was instructed that another port of arrival was to be used.

As the nearest port of entry upstream before Valleyfield, the Port of Bécancour was proposed because of its strategic cargo handling capacities. With 35 feet of water depth through five different docks, Bécancour serves as a great alternative to the U.S. East Coast and has direct deraill capacity from ships’ tackle.

On September 3, 2019, a 291-kilometer survey from the Port of Bécancour to the site entrance in Brompton Ville, Quebec was completed. On this route, Transport

Watson highlighted 13 structures that would need to be inspected for structural capacity. Authorities then asked that an additional 75 culverts be added for inspection. The green light was given for a complete engineering inspection of all 88 structures. The Transport Watson permit department began asking for permission from every village, city and territorial district authority and more than 20 authorization letters were sent.

## Bump in the road

On November 12, the team was completing what they believed would be the final report. However, the city of St. Louis de Blanchford informed Transport Watson they were reversing their decision to grant access to their territory. At this stage more than half a million dollars had been spent in reports, structure analysis and utility relocations. The next day, boots were back on the ground to find another suitable route for the convoy. Between November 17-30, CIMA+, an external engineering firm, performed an inspection marathon on the second route. A grand total of 367 structures were physically inspected; 27 of them required a more complete analysis from the engineers. As a result, three culverts had to be jumped and protected during transport. On December 1, CIMA+

released an impressive 5,794-page report to the Ministry of Transportation for final approval of the routing. The permits came in on December 17 and the team planned for a departure on December 19.

The biggest challenge for this project was navigating the immense trailer configuration on back country roads and through small towns and villages. More than 300 wires were lifted. Due to the cargo dimensions and the narrow roads, bucket trucks could not safely pass the convoy to get to the next cable lift. The utility companies dispatched a huge number of technicians to help. Transport Watson appointed SolTech, a heavy transportation consultant, to manage and coordinate communication between all the entities involved.

For the first time in Quebec, the project was required to include a construction signal team. The Ministry of Transportation added a salting truck and a snow plow to lead the convoy of 75 flashing vehicles.

On December 19, after the safety meeting, the operators, drivers and technicians waited for 9 p.m. to hit the road. The plan was to make it halfway to the site on the first night. Around 5 a.m. both Through Air Drying (TAD) rolls were left in a secured yard. The plan was to continue on December 20th, but a storm prevented departure. On December 21, 2019, after 18 hours of driving, months of planning and more than \$1 million of accessorial fees, the cargo was delivered safely to the Kruger site, just in time for everyone to celebrate the holidays. ■



# WE DELIVER INSURANCE SOLUTIONS DESIGNED BY INDUSTRY INSIDERS.

NBIS combines decades of knowledge and field experience with a network of industry-specific producers and affinity groups—empowering us to generate insurance products that withstand the pressures of an ever-changing market.

For more than 24 years, we've been staffed with former crane operators, truck drivers, and OSHA personnel.

We provide customized insurance products for crane & rigging, specialized transportation, concrete pumping, and equipment dealers.

We deliver risk solutions including exclusive online safety & health and driver training courses through our proprietary ITI Learning Portal.

## COVERAGES

- GENERAL LIABILITY
- PROPERTY/INLAND MARINE
- COMMERCIAL AUTO
- EXCESS/UMBRELLA
- PHYSICAL DAMAGE
- CUSTOM CARGO/TRANSIT
- WORKERS' COMPENSATION



NBIS.COM  
(866) 668-NBIS  
submissions@nbis.com



NBIS is a national managing program underwriter, loss control provider, claims adjusting administrator, and reinsurer specializing in construction and transport insurance programs exclusively through agents/brokers. Ask your agent for an NBIS quote today and experience the risk-management difference.

NBIS is an endorsed property and casualty provider for **SCRA**

## EMMERT INTERNATIONAL

HAULING  
160,000 to  
500,000  
Pounds

Emmert International transported a massive 777,725-pound FT reactor 2,250 miles from Houston, TX to Sparks, NV.

# From port to plant



Emmert International was tasked with transporting one FT reactor from Houston, TX to Sparks, NV. The FT reactor was to be transported to a bio-fuels plant responsible for making low carbon, low-cost transportation fuels from household garbage.

The route from Texas to Nevada needed to accommodate the 279-foot long, 18-foot wide, 16 foot, 10-inch-high and 777,725-pound load with a trailer length of 145 feet. Permit requirements along the proposed states of travel and the concentrated weight of the reactor on the trailer were taken into consideration in order to choose the proper transport trailer configuration for transport from ship to foundation. The configuration would need to utilize a weight distribution system to spread the heavy load evenly.

After working with Texas, New Mexico, Arizona and Nevada, and inspecting over 3,700 miles of roadway, a challenging, but passable route was selected. When a final route was obtained, Emmert was on its ninth reroute within the state of Texas alone.

It was established early on in the permitting process that there was a very narrow window to move the load out of the port due to the pending road construction near the port. While waiting for the ship, activists were on site protesting the use of fossil fuel. The protests closed the entrance to the port and backed up ship channel traffic for five days.

Once traffic reopened, the 88-foot, 11 inch long, 15-foot, seven inches wide, 12-foot, 9-inch high and 429,901-pound FD reactor arrived by ship at the port. The reactor was discharged via the ship's onboard crane and lowered onto Emmert's pre-stage transporter. Prior to loading, Emmert International's field group placed

engineered load spread beams and steel crane mats on the trailer deck to distribute the load evenly throughout the 16 axle lines of the CA/THB dual lane Goldhofer.

## Precise positioning

Setting the FT reactor on the trailer without striking the bottom of the reactor against the center of the trailer was a challenge. Weights were removed as the load was transferred onto the trailer from the crane hook. Once positioned on the transport system, Emmert's team lashed and secured the reactor and weighed each axle to ensure the weight was equally distributed.

Due to the protesters causing a shipping delay, road construction along the first mile of the route had already started and was impassable for a transporter of this size. The construction company reviewed Emmert's plans to remove jersey barriers and install steel plates and mats in vital areas to allow passage. One of the main obstacles was the demolition of the roadway where one side was two feet lower than the other side and a four-foot-wide section of the road was missing. For

several hundred feet, Emmert combated this with laminated mats, crib blocks, steel road plates and composite matting to ensure the transport would stay on the center of the road without falling into any of the holes.

Emmert began transport in the evening with a timeframe of two hours to pass a one-mile construction zone, allowing for only six inches of clearance on either side of the transporter. With all of these requirements, the convoy completed over 100 miles per day, and as many as 250 miles per day in less populated areas.

Emmert's team then entered a mountainous region and the team was faced with harsh weather, including snow and poor road conditions. This section of the also route included 6 percent grades and required up to three trucks at a time pushing and pulling in constant communication to stay synchronized through the hundreds of miles of mountainous and snowy conditions, as well as plating many turns.

The location of the reactor foundation was in the back of the plant, requiring the Emmert team to execute a safe final leg of the transport while not shutting down any of the other plant operations. Turns and obstructions in this area required switching lead ends of the transport trailer several times. It was also necessary to raise leading and trailing axles to pass over obstacles, to navigate back to the final offload position.

Emmert's team navigated the plant process equipment around tight turns and obstacles without incident. The team logged 40 engineering man hours, 336 logistic man hours, 1800 field man hours, 2,176 total man hours and there were no accidents, injuries and/or damage to any equipment.



## HAULING Moving

## OXBO MEGA TRANSPORT

Oxbo Mega Transport Solutions transported 290 wind components to a ridgeline wind project in Oklahoma, facing grades of up to 25 percent.



# Hilltop windfarm

In May 2019, Oxbo Mega Transport Solutions was contracted by RES America to transport 290 wind components to a ridgeline wind project in Oklahoma. Grades were up to 11 degrees. Navigating unexpected elements and treacherous terrains, the team utilized several different hauling methods to complete the project.

At Wild Horse Mountain in Clayton, OK, Keith Settle, CEO of Oxbo, was handed the plans for the turbine project. A third party over-the-road (OTR) company would deliver the components 10 miles up to a second staging area, where the cargo would then be craned onto Oxbo's equipment to be delivered the rest of the way to the pad sites.

The elevation change from the project entrance to the 10-mile yard was 128 feet, which made it accessible by OTR trucks. From the 10-mile yard to the Pad Site 29, there was an initial elevation change of 787 feet in the first 1.25 miles. To access Pad Site 1 from Pad Site 29 required the equipment to traverse another 6 miles through four more valleys with inclines of up to 20 percent, and elevation changes averaging 650 feet in each valley. The 16-foot wide road had many sharp corners and steep dropoffs as it made its path through the 100-foot tall mountain trees. One-hundred and eighty degree switchbacks were common along the route, making pullouts for passing few and far between.

The 29 turbines consisted of 10 pieces of cargo each: six tower sections, three

blades and a nacelle. The base sections were 32 feet long and weighed 150,000 pounds. The M1 section was 29 feet long and 135,000 pounds. Both pieces were handled by Goldhofer 12-line THP-SL trailers. The next was an M2, which was 35 feet long and weighed 109,000 pounds. The M-2s would go on OXBO's Faymonville Highway Z-9. M-3s clocked in at 58 feet long and weighed 134,000 pounds. The M-3s would be loaded on a Scheuerle 9-axle stretch trailer. The last two sections were M-4s and tops, which were both 87 feet long and weighed approximately 120,000 pounds. The M-4s and tops were loaded on Goldhofer THP-SL trailers with 18 axles lines each.

### Blade lifter debut

The nacelles would arrive at the 10-mile yard in two pieces and then be assembled together with the hubs to become 50 feet long and weigh 425,000 pounds before they were loaded on Oxbo's 12-line Goldhofer THP Add-drive platform trailer. The THP Add-drive worked well on the steep grades. The 67-meter blades weighed in at 35,000 pounds.

Oxbo became the first company in North America to utilize the Goldhofer FTV 500 blade lifter technology, which was necessary for the route's sharp corners and high treetops. The FTV 500, when combined with the Goldhofer THP-SLE, gave Oxbo the ability to lift the blade up to 60 degrees and also rotate it in a clockwise or counterclockwise manner. The blades were loaded in a flat direction along with

300,000 pounds of counterweight to help stabilize the trailer.

Settle credits retired U.S. military vehicles to the company's success overcoming grades and the changing terrains. Oshkosh eight-wheel drive trucks were the ticket for going up and down the hills. The hills were steep enough and the roadbed unstable enough, that even the SPMTs needed tow assist when loaded, despite being weighted with 300,000 pounds of ballast.

Frequent days of 105-degree summer heat, dust, lightening and torrential storms were frequent in this area. With up to 10 inches of rainfall in 24 hours, the storms would shut down the job until the civil crew rebuilt roadways that had been completely washed away.

Despite all of the challenging elements and rough terrains the Oxbo team faced, the versatility of the SPMT systems and the blade lifter proved to be invaluable for safe passage and precise placement of the blades. Utilizing the electronic steering capability of the SLE trailers combined with the blade lifter technology, the Oxbo team was able to turn the blades at the pad sites and precisely place them wherever they were needed to allow the cranes to safely pick and place the cargo.

This intricate wind power project commenced in June 2019. While it was planned to be a six to eight-week project, it finished on October 25, in about 20 weeks. There were 13,500 labor hours logged and no incidents. ■

ADDITIONAL ENTRIES

The 2020 SC&RA Job of the Year contest showcased incredible rigging and transport feats.

# Bringing the heat

One might compare the Job of the Year contest to SC&RA's own Super Bowl. Each year, the event attracts some of the most impressive projects the industry has ever seen – all in the spirit of friendly competition. Because of the Covid-19 crisis, the contest was delayed due to the cancellation of the SC&RA Annual Conference. But that didn't make this year's entries any less spectacular. The contest was a showcase of engineering and rigging feats and a full spectrum of innovation. An excellent judging panel was convened and the contest was held via a Zoom call in July. It went off without a hitch.

Below ACT has detailed the jobs that didn't achieve the JOY trophy, but were winners nonetheless. Be sure to keep an eye out for site reports detailing these amazing jobs in upcoming issues of *American Cranes & Transport* and our sister publication *International Cranes & Specialized Transport*.

**RIGGING**  
Under \$150,000

**EMMERT INTERNATIONAL** offloaded two boilers from a facility in Abilene, TX. The carrier that was hauling the boilers needed to be offloaded on arrival. Once the hauling equipment was clear, Emmert's gantry was reconfigured to perform a roll and a lift maneuver. The gantry lifted the boiler up and up righted each unit to where it was standing in a vertical position.

**RIGGING**  
\$150,000 to \$750,000

**BARNHART** was subcontracted by American Hydro Corporation to remove and replace a roto at a hydroelectric station that weighed 1.2 million pounds. The project began in November 2018 and was completed September 30, 2019.

**BRAGG COMPANIES** was contracted to remove and replace one 175-ton capacity overhead bridge crane trolley in a 100-year-old power house. Turn key modernization work included removing existing and installing new upgraded catwalks, mechanical and electrical systems.

**HWP RIGGING** provided insights, expertise and engineering to streamline and expedite the construction of a new pedestrian walk bridge connecting two high-rise buildings located in metropolitan St. Louis, MO. The walk bridge spanned approximately 90 feet between two buildings and weighed close to 125 tons.

**TRANSDATA** was tasked with the transport, erection and positioning onto foundation of "Echo" sculptures by Richard Serra. This art installation was composed of two steel frames measuring around 18 meters high and weighing 77 metric tons each. The project involved Serra's only work of art in Latin America and was especially challenging to provide engineered solutions due to the complexity of the path, fragility of the frames and confined storage space.

**RIGGING**  
\$750,000 to \$2 Million

**SUPERIOR CRANES** developed a solution to remove and replace a Sulfuric Acid

Absorber tower and a Sulfur Furnace at a chemical plant for Turner Industries. They had met with other crane companies but didn't get the answer they wanted. Turner and their customer wanted to remove the vessels as a whole to limit plant down time. The other companies would not attempt this strategy. After meeting with Turner and their customer onsite, the Superior Crane team devised a plan that would achieve the customer's goals safely and efficiently.

**RIGGING**  
Over \$2 Million

**BARNHART** rigged and replaced three Feedwater Heater Tube Bundles at a nuclear plant. The project began on January 28, 2019 and was completed March 25, 2019.

**HAULING**  
Under 160,000 pounds

**EMMERT INTERNATIONAL** transported a Cryomodule from Argonne National Laboratory to Fermilab. The Cryomodule, which measured 20.3 feet long, 6.6 feet wide, 6.6 feet tall and weighed 18,600 pounds, is part of a multi-year multi-million dollar design and construction effort and is a critical project component. The Cryomodule is an extremely delicate device requiring extreme care in transport.



**OXBO MEGA TRANSPORT SOLUTIONS**

transported two identical vessels that were 16 feet in diameter by 45 feet long and weighing 156,000 pounds. The vessels were hauled from the fabricator in Newberg, OR to the Hanford Nuclear Containment Site in Tri-Cities, WA. Planning started in July 2018 and was completed in March 2019.



**Berard** off-loaded and transported two bulk material E-Cranes.

**HAULING**  
160,000 to 500,000 pounds

**OXBO MEGA TRANSPORT SOLUTIONS**

was contracted to transport 1 E-house building 22 feet wide by 75 feet long by 17 feet tall and 225,000 pounds from Vancouver, WA to Chandler, AZ. Initial planning for the project started in January of 2019 and the contract was completed in May of 2019.

**ACE HEAVY HAUL** transported a 215-foot long, 628,000-pound Yankee Dryer Roll

319 miles from Erie, PA to Lock Haven, PA. The job required more than 2,000 hours of engineering and permitting, along with numerous route surveys.

be a normal load out was made more challenging because the cargo was situated on a narrow pier/rail system.

**HAULING**  
Moving

**BERARD** faced the difficult task of loading out two bulk material E-Cranes and two bulk material hoppers in Corpus Christi, TX and transport them via barge to the south central Louisiana. What would

**FAGIOLI** transported four 80-meter long bullets from Italy to Croatia. Fagioli executed the load out and ballasting operation onto a dedicated barge by means of lashing the bullets to SPMTs in several configurations in order to manage the correct positioning. Two bullets weighed 460 tons and the other two weighed 350 tons. Once in position they were transported via sea to Croatia.



**BAY CRANE**

- Crawler Cranes to 1,500 tons
- Telescopic Cranes to 900 tons
- Specialized Transport to 4,500 tons
- Project Logistics and Warehousing
- Specialty Rigging Equipment
- Professional Engineering and Lift Planning

[www.BAYCRANE.com](http://www.BAYCRANE.com)

**NEW YORK** 718-392-0800    **LONG ISLAND** 516-937-1523    **WESTCHESTER** 914-727-0107    **CONNECTICUT** 203-785-8000    **MASSACHUSETTS** 774-666-0214    **NEW JERSEY** 973-391-9700    **RHODE ISLAND** 401-349-2755



# What's new with

**C**ertification is the final link in a process established to educate people in the correct way to perform their assigned job duties. Well-trained employees, with independently verified knowledge and skills, make fewer mistakes—and therefore have fewer accidents—than those with less experience or inferior knowledge.

The National Commission for the Certification of Crane Operators (NCCCO) currently offers an industry-leading range of personnel certifications that address crane and crane-related operations. The organization's 29 certification designations across 12 categories provide the industry's most comprehensive portfolio of personnel certifications available. CCO certifications are officially recognized by federal OSHA as meeting or exceeding ANSI/ASME requirements and are endorsed by all leading insurance providers and industry membership associations.

## Seal of approval

Most CCO certification programs are accredited by the ANSI National Accreditation Board (ANAB) to the ISO/IEC 17024 International Standard for organizations that certify personnel. ANSI requirements are rigorous and designed to give assurance to those who depend on certification programs that the tests are fair, sound, and valid assessments of the knowledge and skills they are intended to measure. The decision of ANSI's Professional Certification Accreditation Committee to award accreditation came only after exhaustive on-site and field audits of NCCCO's management systems and psychometric procedures.

Regardless of whether certification is required or not, all accredited certification programs have a periodic recertification requirement to maintain the credential. NCCCO certificants must recertify every five years. Technology is ever-changing, equipment and associated techniques evolve, and industry standards and regulations change. Recertification ensures that the certificant has

NCCCO breaks down the need-to-know for the organization's latest program developments.



stayed current with the latest technologies, standards, and regulations. And the recertification requirement motivates certificants to stay sharp, improve their skills, and not get complacent. After all, any credential that is worth having is worth keeping!

## Essential testing continues

Because those NCCCO certify are considered by the Department of Homeland Security to be part of the "essential critical infrastructure workforce," and operators of cranes used in construction are required to be certified, NCCCO has been able to continue testing throughout COVID-19 with little disruption. NCCCO

has implemented new protocols that permit continued written (paper/pencil and computer-based) and practical testing despite COVID-19 limitations. With social distancing and frequent disinfecting, candidates and certificants can continue testing in a safe environment.

## MYNCCCO MOBILE APP

NCCCO has launched its new myNCCCO mobile app for Apple and Android devices. The myNCCCO app is free and provides a way for NCCCO's current certificants to see their certifications and expiration dates, update their contact information, and view the latest NCCCO news. There is also a companion myNCCCO portal at [nccco.org/mynccco](http://nccco.org/mynccco) that is accessible from desktop computers and tablets and provides similar functionality and information as the app. Certificants are encouraged to use the app and/or portal to check and/or update their contact



**The free myNCCCO app is available for both Apple and Android devices.**

# NCCCO?

**CCO certificants are considered part of the “essential critical infrastructure workforce,” so they are eligible to continue working, and certifying, when other industries have curtailed business during the pandemic.**

operator, signal person, and lift director (if there is one), must be able to effectively communicate in the language used.”

## NEW PROGRAM DEVELOPMENT

Development efforts have begun for two new certification programs—for operators of telehandlers and for operators of concrete pumps. The 26 industry experts that make up the Telehandler Operator task force and the 25 industry experts who make up the Concrete Pump Operator task force include both experienced NCCCO contributors and new experts with more specialized knowledge, including those from unions, rental firms, training companies, construction contractors, safety consultants, insurance, and regulatory authorities. Multiple meetings have already been held virtually via videoconferencing, with a view to complete program development for the Concrete Pump Operators certification by the end of 2021 and the Telehandlers Operator certification sometime in 2022.

As with all NCCCO programs, the two task forces will initiate the development process by performing a job analysis to help the subject matter experts define the knowledge and skills needed for individuals to competently perform their duties in using these types of equipment. The information compiled will be used to define the target content for CCO certification exams, both written and practical. A representative sample of practitioners will then be surveyed to identify which of the tasks, knowledge, and skills are most important for a certified individual to know and be able to perform. The survey data will be used to determine what knowledge and skills to test for on certification assessments, and how much weight is to be applied to each content area, creating a “test blueprint” that will guide the task force members and NCCCO staff in creating the certification tests.

## TELECOMMUNICATIONS TOWER RIGGER

The growing demand for wireless and 5G communications has spurred a dramatic increase in communications tower work that requires proper rigging and hoisting operations to avoid serious hazards and

information to ensure that NCCCO has a current email address on file so that recertification and other important reminders can be sent via email.

## SPANISH LANGUAGE EXAMS

NCCCO has made available Spanish-language exams that provide valuable assistance to employers desiring to ensure their Spanish-speaking operators meet the OSHA 1926 CFR Subpart CC crane operator certification requirement. Spanish language written exams are currently available for the Mobile Crane Operator and Articulating Crane Operator certification programs. Spanish-language exams are direct translations of the corresponding English-language CCO exams, based on identical content outlines and containing the same number of questions. All exam parameters are the same as the English-language exams, including length of time permitted and passing score required. As with

the standard exams, candidates have the option of taking different written exams depending upon the certification designation(s) they are seeking.

The OSHA crane rule allows for tests to be administered in any language the operator candidate understands, but it requires the certification card indicate the language the test was given in. NCCCO has noted on the card and in the Verify CCO Online (VCO) system when a candidate has tested in a different language. Employers must, however, understand their obligations when certified operators who have tested in Spanish are responsible for lifting operations. According to OSHA 1926.147(h)(2), “The operator is only permitted to operate equipment that is furnished with materials required by this subpart, such as operations manuals and load charts, that are written in the language of the certification.” Further, according to OSHA 1926.1421(c), “The



injuries from dropped loads, so NCCCO now offers a Telecommunications Tower Rigger Level I (TTR-I) certification program. Developed collaboratively by NCCCO and the National Wireless Safety Alliance (NWSA), the new TTR-I certification was adapted from NCCCO's Rigger Level I program and specifically addresses those with responsibility for handling and moving loads on antenna-supporting structures. This program was developed in a joint effort between an NWSA Task Force comprised of communications industry subject matter experts and NCCCO's Rigger Exam Management Committee, who together represent rigging specialists, tower technicians, carriers, tower owners/vertical realtors, contractors, trainers, and suppliers.

**CCO certification programs**  
**MOBILE CRANE OPERATOR\***

NCCCO offers four categories of mobile crane operator certification. In addition to the core written exam, candidates are required to take one or more specialty examinations covering specific types of mobile cranes: lattice boom truck cranes (LBT), lattice boom crawler cranes (LBC), telescopic boom cranes—swing cab (TLL), and/or telescopic boom cranes—fixed cab (TSS). The practical examinations test real-world skills such as hoisting, booming, swinging, following hand signals, and combined function operations. Two additional designations, subcategories of the TSS certification, have been created for service truck cranes (STC) and boom trucks (BTF). Info at [www.nccco.org/mco](http://www.nccco.org/mco)

**TOWER CRANE OPERATOR\***

Candidates must pass both written and practical exams to be CCO-certified tower crane operators (TWR). Candidates may take the practical exam on one of three types of tower cranes—hammerhead, luffing jib, or self-erecting—and must

demonstrate skills such as trolley travel, hoisting, swinging, and combined function operations. For more information go to [www.nccco.org/tco](http://www.nccco.org/tco)

**OVERHEAD CRANE OPERATOR\***

Candidates must pass both written and practical exams to become CCO-certified overhead crane operators (OVR). The overhead crane practical exam can be taken on either a cab-operated crane or a pendant/remote control-operated crane and tests skills including trolley travel, hoisting, bridge travel, and combined-function operations. For more information go to [www.nccco.org/oco](http://www.nccco.org/oco)

**ARTICULATING CRANE OPERATOR\***

This program addresses the specific knowledge and skills required to operate articulating boom cranes and articulating boom loaders. Three designations are available: articulating boom crane operator (ABC), articulating boom crane with winch operator (ABW), and articulating boom loader operator (ABL). Candidates choose among three written exams and two practical exams. The practical exam requires the operator to pick and place a test weight as directed, as well as move the crane through a zigzag corridor. Info at [www.nccco.org/aco](http://www.nccco.org/aco)

**DIGGER DERRICK OPERATOR\***

Digger derricks are unique pieces of equipment with their own capabilities and risks and, as such, a CCO certification program (DDO) addresses their specific characteristics. Candidates must pass both written and practical exams to be certified. The seven tasks that make up the practical examination are: pre-operational inspection, place chain in circle, follow hand signals, negotiate corridor with test weight, auger a hole, pick up a pole, and stow boom and shutdown procedures. Info at [www.nccco.org/ddo](http://www.nccco.org/ddo)

**DEDICATED PILE DRIVER OPERATOR\***

The Dedicated Pile Driver Operator (DPD) certification program addresses the unique characteristics and operations of dedicated and purpose-built pile drivers. Candidates are required to pass both a written exam and a practical exam to obtain certification. The practical exam tasks include the lifting, maneuvering and setting down of a pile, as well as the demonstration of the actions and equipment settings necessary to begin the driving of a pile. Info at [www.nccco.org/dpd](http://www.nccco.org/dpd)

**Work has begun on a new CCO certification for operators of telehandlers.**



**DRILL RIG OPERATOR**

The Drill Rig Operator (DRO) certification program, launched in 2018 in conjunction with ADSC—The International Association of Foundation Drilling, consists of separate certifications for operators of foundation drill digs (FDR) and for anchor/micropile drill rigs (AMP). As with other CCO operator certifications, candidates are required to pass both a written exam and a practical exam to obtain either certification. Practical exam tasks include pre-operational inspection, safety protocols, pipe pick-up and placement, pipe laydown, drill steel placement, drilling holes, and safe travel. Info at [www.nccco.org/dro](http://www.nccco.org/dro)

**RIGGER\*\***

Three certification levels are available for riggers. Rigger Level I (RIG-I) certification indicates that certified personnel are considered qualified for most rigging work, while Rigger Level II (RIG-II) certification shows that they can rig non-routine jobs that require independent thinking without supervision. In addition to the multiple-choice written exams, candidates must also pass practical exams covering tasks such as pre-use rigging inspection, rigging hitches, rigging connections, and basic knots. The Telecommunications Tower Rigger Level I (TTR-I) certification specifically addresses those with responsibility for handling and moving loads on antenna-supporting structures. Info at [www.nccco.org/rig](http://www.nccco.org/rig)

NCCCO certifications, regardless of state or federal requirements, have been documented as increasing safety and saving lives. Many of the certifications offered by NCCCO are required by federal OSHA (see asterisk \*) under the Cranes and Derricks in Construction standard (1926 Subpart CC). However, although the OSHA Rule does not require certifications for the others, it does require qualification (marked with a double asterisk \*\*), including demonstrating knowledge and skill. Most employers find the easiest way to have an employee demonstrate knowledge and skill is to rely, in part, on certification. Using accredited CCO certification to help document qualification shows that the process has been unbiased, it's defensible and its reliable.





### SIGNALPERSON\*\*

In addition to being able to give accurate visible and audible signals, CCO-certified signalpersons (SGP) are required to have basic knowledge of crane operations and limitations, understand

specific considerations concerning the construction site, and know applicable safety standards and regulations. CCO certification tests consist of a multiple-choice written exam and a computer-based practical exam. Signals for both mobile and tower cranes are tested. Info at [www.nccco.org/sgp](http://www.nccco.org/sgp)

### CRANE INSPECTOR

The CCO Crane Inspector certification program is designed to bring the same safety, insurance, and risk reduction benefits common to NCCCO's other certification programs. Through separate specialty exams, candidates may be certified to inspect mobile (MCI), tower (TCI), and/or overhead (OCI) cranes to ensure they are properly maintained and safe for use. The practical exam uses high-resolution photographs to test candidates' inspection knowledge. Candidates must attest to and provide documentation of a minimum of five years' crane-related experience. Info at [www.nccco.org/ci](http://www.nccco.org/ci)

### WASHINGTON STATE CRANE CERTIFIER

Washington's Crane Certifier Program

was developed by NCCCO under an agreement with the state's Department of Labor and Industries. Candidates must be able to demonstrate at least five years of crane-related experience, of which two years must be actual crane inspection activities. Accreditation as a crane certifier is available in one or more of the following: Mobile Cranes, Tower Cranes, Articulating Cranes, and/or Overhead Cranes. Info at [www.nccco.org/wcc](http://www.nccco.org/wcc)

### LIFT DIRECTOR\*\*

The CCO Lift Director certification is for those who have responsibilities for lift planning and supervision. Exams cover all disciplines required for safe planning and execution of simple and complex single- and multi-crane lifts. Separate certifications are available for mobile crane lift directors (MLD) and tower crane lift directors (TLD). The lift scenario questions found on the lift director specialty exams evaluate a candidate's ability to comprehend the information presented and apply knowledge of lift planning and directing in circumstances that may be found in real-life situations. Info at [www.nccco.org/ld](http://www.nccco.org/ld)

## VIBRATORY DAMPENERS- PROTECT YOUR CRANE

Full range of models from 5,000 lbs. capacity up to 180,000 lbs

- ▶ 95% vibration reduction
- ▶ Load cells don't have to be removed for use with vibratory hammer
- ▶ Eliminates wear and tear on hydraulic boom cylinders
- ▶ Suitable for use with any hydraulic boom/crawler crane and any make/model vibratory hammer



757-485-2500

sales@geoquipusa.com

[www.geoquipusa.com/tunkers-vibratory-dampeners](http://www.geoquipusa.com/tunkers-vibratory-dampeners)

# A new resource

An industry newcomer is providing a firm foundation of education and guidance.

A cornerstone of the mission of the NCCCO Foundation, a 501(c)3 charitable organization, is to serve as an authoritative industry resource of information related to certification, qualification, and workforce development matters. The industry's seemingly ever-changing working conditions, technology, and federal and state rules are challenging to keep abreast of, and the NCCCO Foundation is constantly improving and augmenting its educational and informational offerings in response.

Central to that information effort is SIREN – the Safety Information, Research & Education Network — which was established to serve as a reliable, definitive source of information for the crane and rigging industry. Employers can use the Foundation's online *Directories* and reference its Special Reports in the certain knowledge that they have been thoroughly vetted and reflect the input of subject matter experts with decades of solid industry expertise.

Online directories, special reports and regulatory guidance available online from

the NCCCO Foundation include the following:

## 1 MOST SIMILAR CERTIFICATION DIRECTORY

OSHA's Final Rule on crane operator qualifications requires crane operators to be certified [29 CFR 1926.1427(c) (2)]. However, in those cases where no accredited certification examinations for a particular type of equipment exist, OSHA states that "an operator will be deemed to have complied with the certification requirements of this section if the operator has been certified for the type that is most similar to that equipment and for which a certification examination is available." [1427(d)(2)] (*emphasis added*).

That's where the **Most Similar Certifications Directory** comes in. The *Most Similar Certifications Directory* represents the determinations made to date by the NCCCO Foundation's Crane Type Advisory Group (CTAG) based on requests received from employers, training firms, regulators and other industry stakeholders.

While CTAG makes every effort to make its determinations on a particular piece of equipment applicable to a whole type of equipment, some installations and/or equipment may be so unique that they do not lend themselves to generic categorization. Hence, the *Directory* is divided into three parts:

- **PART 1** – contains the determinations made for cranes for which no known accredited certification exists.
- **PART 2** – contains the determinations made for cranes for which an accredited certification does exist, but whose installation, application or the use to which it is being put may call the type of certification into question.
- **PART 3** – contains the determinations made regarding lifting equipment of a highly specialized or hybrid nature for which the appropriate certification is unclear.

## 2 ACCREDITED CERTIFICATIONS DIRECTORY

Under the terms of the crane operator qualification rule, 29 CFR 1926.1427, OSHA requires all certification organizations providing certification to crane operators to be accredited.

*The Who's Accredited?*

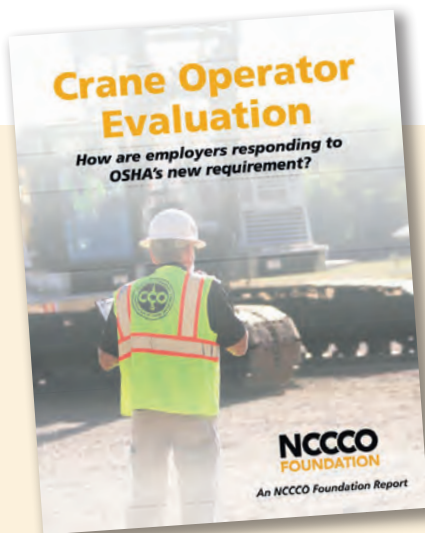
*Directory* is designed to aid employers when determining whether or not a certification organization is accredited by a nationally recognized accrediting body, as OSHA requires.

The *Directory* also provides a direct link to the listing maintained by the two accrediting bodies that OSHA recognizes: ANSI and NCCA.

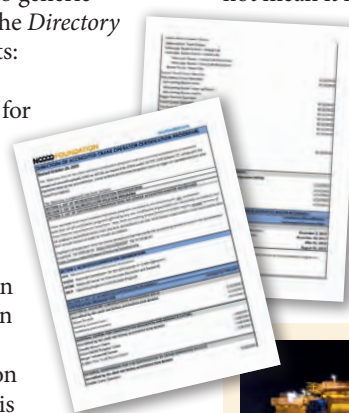
Just as a certification is only valid for a certain amount of time, so an accreditation is reviewed on a regular basis by the accrediting organization, usually annually. That means, just like a certification, an accreditation can be suspended, or even removed at any time.

And, also like certification, accreditation is not a "one-time" event. Accreditation is a rigorous and often protracted process. Just because an organization may have *applied* for accreditation does not mean it is, in fact, accredited and is therefore in compliance

**The NCCCO Foundation's *Who's Accredited Directory* is designed to aid employers when determining whether or not a certification organization is accredited by a nationally recognized accrediting body, as OSHA requires.**



The NCCCO Foundation report on Crane Operator Evaluation also contains valuable background on the OSHA rule, a list of industry-developed evaluation forms, and a three-page list of *Frequently Asked Questions*.



All educational materials developed by the NCCCO Foundation are available online free of charge at [www.ncccofoundation.org](http://www.ncccofoundation.org). Suggestions for additional resources are always welcome at [info@ncccofoundation.org](mailto:info@ncccofoundation.org).



**The Most Similar Certifications Directory lists the appropriate certifications for crane operators where no accredited certification examinations for a particular type of equipment exist.**

question asked and (partially) answered in this special report from the NCCCO Foundation. Following a ground-breaking new study conducted over an eight-month period comparing candidate performance on real vs. virtual cranes, this report intriguingly suggests there may be potential for the use of VR technology in delivering exams to crane operators. Whether or not “certification via VR” comes to pass, the results indicate that VR can be a highly reliable measure for predicting a candidate’s passing score on an actual crane.

with OSHA’s requirements. In most

that industry associations have developed, and a three-page list of *Frequently Asked Questions* (see next section).

cases it takes a certification body many months of review and often continuing dialogue with the accrediting body before accreditation is granted or renewed.

The NCCCO Foundation’s *Accredited Certifications Directory* takes the guesswork out for employers seeking to comply with OSHA’s requirement to use only nationally accredited certification programs for their employees.

**3 CRANE OPERATOR EVALUATION SPECIAL REPORT**

Following the publication in November 2018 of OSHA’s final rule, *Cranes and Derricks in Construction: Operator Qualification*, crane operator qualification became a three-step process: Training, Certification, Evaluation. Evaluation is the third step and is the subject of this special report from the NCCCO Foundation.

The 20-page report provides a valuable means by which employers can benchmark their understanding and level of compliance with the OSHA rule against their industry peers. It also contains valuable background on the OSHA rule, a list of online evaluation forms (with links

**4 CRANE OPERATOR EVALUATION FAQs (EXCERPTED FROM CRANE OPERATOR EVALUATION)**

*Do I have to conduct additional evaluations if my crane and operator move to different locations? Do the evaluations I have already done in the past count? How often do I have to do re-evaluations? Can I rely on evaluations conducted by a previous employer?* These are just some of the questions answered in the Frequently Asked Questions section of the *Cranes and Derricks in Construction: Operator Qualification* special report from the NCCCO Foundation.

As with all rules, the regulatory text only provides part of the story. In this document, the NCCCO Foundation seeks to anticipate some of the more nuanced questions employers might have when endeavoring to implement the OSHA rule on crane operator evaluation.

**5 VIRTUAL REALITY AND CERTIFICATION SPECIAL REPORT**

Can virtual reality (VR) technology play a role in certification testing? That’s the

**6 5TH ANNUAL INDUSTRY FORUM ON PERSONNEL QUALIFICATIONS**

The NCCCO Foundation’s *Annual Industry Forum on Personnel Qualifications* has established a storied reputation for providing a rich source of cutting-edge information about issues regarding regulations and best practices regarding employee qualifications in the crane and rigging industry. The *Fifth Industry Forum* held virtually in October 2020 was no exception.

From discussions of the responsibilities of crane operators, riggers, lift directors and other site personnel, to the latest in ASME B30 standards development, to how to tell the differences between certificates, certifications and degrees, to why it’s so important for riggers and signalpersons to be (and to stay) certified, all capped off with real time information from the OSHA Directorate of Construction team led by keynote presenter, OSHA Director, Scott Ketcham, the latest *Forum* was packed with “news you can use.”

The NCCCO Foundation has preserved all this material in both video and slide format for free access on its dedicated Forum web page at [www.ncccofoundation.org/industry-forum](http://www.ncccofoundation.org/industry-forum)



**The Most Similar Certifications Directory is organized in an easy-to-follow format as in this example for a precast concrete gantry.**



# PICK IT. MOVE IT. SET IT. SLIDE IT. RENT IT.

You've got the ability, the workforce,  
and the determination to compete.  
You just need the equipment.  
That's where we come in.

## YOU NEED IT—WE RENT IT:

Large-Capacity Forklifts, Hydraulic Gantry  
Systems up to 900-ton capacity, Hydra-Slide™  
Skidding Systems up to 1,000-ton capacity,  
Crane Rental, and Self-Propelled Modular  
Transport Trailers (SPMTs)



**DAYTON** 4243 West U.S. Rt. 36, Piqua, OH 45356  
**COLUMBUS** 9026 Heritage Dr., Plain City, OH 43064  
**CINCINNATI** 200 Olympic Dr., Milford, OH 451250  
[www.pscind.com](http://www.pscind.com) | (888) 778-3632

SC&RA is committed to providing education, events, webinars, safety manuals, reference tools and advocacy.

# Up to the challenge

The Specialized Carriers & Rigging Association (SC&RA) counts more than 1,400 companies throughout 46 nations among its membership. Each member company is within sectors comprised of specialized transportation, machinery moving and erecting, industrial maintenance, millwrighting, crane and rigging operations, manufacturing and rental – and SC&RA is committed to providing the industry at large with education, events, webinars, safety manuals, reference tools and advocacy to help its stakeholders operate safely, legally and profitably around the world.

Since 1947, when the Association began as a segment of the Local Cartage National Conference (LCNC) of the American Trucking Associations (ATA), SC&RA has endeavored tirelessly on behalf of industry. By 1981, when the SC&RA name was officially adopted, the Association's mission was to help its members run more efficient and safer businesses by monitoring and affecting pending legislation and regulatory policies at the state and national levels.

SC&RA advocates for its members by researching and reporting on safety concerns and best business practices, and by providing four yearly forums where these and other relevant issues can be discussed and advanced. These events are a productive opportunity for members to network, learn from industry experts and participate in committee discussions that serve as a catalyst for Association's advocacy successes.

Governed by a board of directors and four groups that each report to the board, all board and committee members are volunteers from SC&RA member companies, and bring valuable industry knowledge, including information on how regulatory decisions might impact member companies as well as current issues facing members. To that end, committees are all comprised of elected members from their respective industry sector.

## Creating stability

It goes without saying that 2020 was a year of challenges, but disruptions aside, SC&RA was determined to keep advocacy front and center as it navigated the “new normal.”

Perhaps no single effort speaks more to the Association's commitment to its members than one of the largest advocacy wins of the year. Within a week of the pandemic's emergence, SC&RA advocated for and received confirmation from the U.S. Department of Homeland Security that the crane, rigging and specialized transportation industry, and its workers, would be considered essential critical infrastructure. The win kept members working and created a level of stability when many companies needed it most.

SC&RA also quickly established its COVID-19 Crisis Command Center – for members to navigate and understand new enforcement and changes due to the pandemic. The site featured up-to-date information on OS/OW permitting policies and office procedures, OSHA guidance, updates from the FMCSA on CDLs and more.

An additional win in 2020 involved the Federal Motor Carrier Safety Administration (FMCSA) publishing the final rule on changes to hours-of-service regulations. The changes reflect some of the sentiments of SC&RA both in formal comments submitted last fall, and in a private meeting between SC&RA leadership and FMCSA Acting Administrator Jim Mullen in February 2020. SC&RA submitted comments to FMCSA in the Fall of 2019 and asked for more flexibility on the split sleeper berth. The new changes did improve to 7+3 (SC&RA sought 6+4).

In response to the ongoing in-person challenges created by the pandemic, SC&RA had to cancel its 2020 Annual Conference in April, but in the months that followed, a comprehensive effort was put forth to develop and offer a virtual Crane and Rigging Workshop – which Association staff, along with partners,

were able to present to members in September. Overall response was positive, with the recognition that, times being what they are, any effort to bring members together is worthwhile.

Ultimately, a key takeaway from the virtual Workshop was that most members agree: there's no substitute for live events. And with 2021 looking more hopeful with a vaccine, SC&RA will take the first step towards moving back to live events in 2021. Modified dates and locations, as well as any updates, for these events can be found on SC&RA's website. Individuals holding existing registrations need not take any actions at this time.

Keeping health and safety as a top priority, the Association listens to reputable resources and follows government and private guidelines to responsibly maintain operations. Each live event in 2021 will follow CDC and local and state guidelines, including social distancing, mandatory masks, hand-sanitizing stations, a no-handshake policy and utilizing as many outdoor spaces as possible for activities.

SC&RA has developed SC&RA Safe® Protocol – a set of measures that align with the CDC, state and local jurisdiction health guidelines and hotel biosafety measures. Not all events will feature the same biosafety precautions, as each city and jurisdiction is approaching COVID-19 measures differently. SC&RA Safe® protocols are designed to enhance health and safety measures to reassure attendees and increase confidence in attending in-person events.

Looking ahead, SC&RA is more committed than ever to work on behalf of its members, create productive opportunities for them to network and learn from each other and advocate for the specialized carriers and rigging industries on the governmental level so that, no matter what challenges emerge, the Association and its members are positioned for long-term success.

■ For more information, visit [www.scranet.org](http://www.scranet.org).

## PERMIT MANUAL

### STATE & PROVINCE OVERSIZE/OVERWEIGHT PERMIT MANUAL DIGITAL SUBSCRIPTION

As the most comprehensive reference tool in the industry, the SC&RA Permit Manual spells out requirements for:

- Procedures and contacts
- Fees
- Restricted or weekend travel
- Allowable weights
- Escorts/pilot car requirements and dimensions

If you are doing business in the specialized transportation industry, the Permit Manual is your #1 resource! You will receive a login and password once payment is processed. Only one simultaneous user allowed. Discounts for 5+ subscriptions.



Item T1—1-year Digital Subscription: **R** \$300.00 **M** \$160.00

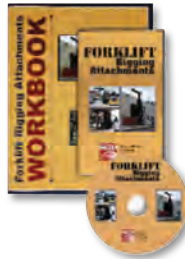
## EDUCATION/TRAINING

### FORKLIFT RIGGING ATTACHMENTS

This 20-minute video and workbook covers the most common forklift attachments from booms, winches, and side shift carriages to personnel baskets and fork extensions.

Item F8B (DVD & Workbook)  
**R** \$119.00 **M** \$89.00

Item F8W Additional Workbook  
**R** \$39.00 **M** \$29.00



### SPECIALIZED TRANSPORTATION DRIVER TRAINING

This first of its kind video was created to address the needs of drivers who are both new to the specialized transportation industry and transporting oversize/overweight loads as well as a refresher for veteran drivers.

This video addresses driving skills like right turns and rail road crossings, as well as route planning, permits, and hazard identification. Additional topics include liability issues with OS/OW loads and advice for working with a team.  
Item S16D (DVD): **R** \$195.00 **M** \$150.00

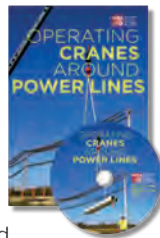


### OPERATING CRANES AROUND POWER LINES

This 20 minute video could help save lives! Used by the IUOE in their training program, this video provides a visual demonstration of safe operating procedures in accordance with the OSHA standard for mobile cranes near and around power lines to be used during training and the planning process. The accompanying book includes tables and prevention of encroachment.

Item PL\_SET (DVD & Book)  
**R** \$195.00 **M** \$150.00

Item PL\_B (Book Only)  
1-25 copies: **R** \$10.99 **M** \$7.99  
26-75 copies: **R** \$9.99 **M** \$6.99



### THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT

This comprehensive reference manual addresses four main areas of consideration when operating a crane or utilizing cranes on a jobsite including risk, lift classification, lift planning and jobsite issues. In addition to criteria for types of lifts, site factors, pertinent formulas, roles and responsibilities, equipment inspection criteria and safety factors, the manual includes over 18 useful charts, checklists and inspection lists.

Please specify English, Spanish or Portuguese.

Item CR3: **R** \$199.00 **M** \$99.00



**R** = Retail price

**M** = Member price

## EDUCATION/TRAINING cont.

### GLOSSARY OF COMMON CRANE AND RIGGING TERMS

This handy pocket-sized tool contains concise definitions of 681 common terms used in the performance of duties related to crane and rigging work. The listings also refer users to related terms and other words with the same meaning. Available in English or Spanish.

Item CR5 (English)

Item CR5-S (Spanish)

1-15 copies: **R** \$14.95 **M** \$12.95

16-49 copies: **R** \$13.95 **M** \$11.95

50+ copies: **R** \$13.25 **M** \$11.25



### RECOMMENDED PRACTICES FOR TELESCOPIC HYDRAULIC GANTRY SYSTEMS

This video features equipment set-up, proper use and system maintenance. The accompanying 24-page manual covers five main areas:

- Scope and definitions
- Construction
- Inspection/load testing/maintenance
- Pre-lift planning
- Operations

Item HGD (DVD+Book): **R** \$129.00 **M** \$99.00

Item HG (Add'l Books): **R** \$69.00 **M** \$49.00



### SPECIALIZED TRANSPORTATION LOAD SECUREMENT

This video includes explanations of FMCSA regulations and how they apply to specific loads, information on tie-downs and calculations to determine the number of tie-downs needed. Whether your company uses aggregate working load limits or performance criteria – we have you covered.

Item S16B (DVD): **R** \$195.00 **M** \$150.00



## ONLINE TRAINING

SC&RA is pleased to introduce online training for employees. Visit [scranet.org/training](http://scranet.org/training) to view available course and webinars.



**R** = Retail price

**M** = Member price

**TRANSLATED PRODUCTS**

**CRANE HAND SIGNALS POSTER DECAL—ENGLISH/SPANISH**

Available in both English and Spanish (on one decal), with an illustration for each signal. The 11" x 16" decals are printed in black ink on durable white adhesive-backed vinyl, ideal for application to exterior painted metal equipment. **Item S13** 1-29 copies: **R** \$5.50 **M** \$4.50  
30+ copies: **R** \$5.00 **M** \$4.00



**CRANE HAND SIGNALS MOBILE APP**

Now there's an app for reviewing hand signals! Each signal is shown graphically so signal persons can quickly and easily reference the appropriate signal for each command. Includes English and Spanish translations. The app is intended for use before entering the workplace. Available in the iTunes App Store, and on Google as a Droid app.



**CRANE HAND SIGNALS POCKET GUIDE**

All the crane hand signals in a handy pocket guide format in both English and Spanish. Includes illustrations for each signal. Pocket Guides are a tri-fold design and fit easily into a pocket or wallet. A must have for every signal person on your site. (Pack of 10). **Item S14—1 Pack:** **R** \$26.00 **M** \$16.00



**GLOSSARY OF COMMON CRANE AND RIGGING TERMS**

This handy pocket-sized tool contains concise definitions of 681 common terms used in the performance of duties related to crane and rigging work. The listings also refer users to related terms and other words with the same meaning. Available in English or Spanish. **Item CR5 (English)/Item CR5-S (Spanish)**  
1-15 copies: **R** \$14.95 **M** \$12.95  
16-49 copies: **R** \$13.95 **M** \$11.95  
50+ copies: **R** \$13.25 **M** \$11.25



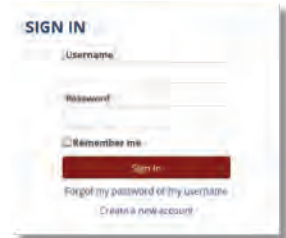
**THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT**

This comprehensive reference manual addresses four main areas of consideration when operating a crane or utilizing cranes on a jobsite including risk, lift classification, lift planning and jobsite issues. In addition to criteria for types of lifts, site factors, pertinent formulas, roles and responsibilities, equipment inspection criteria and safety factors, the manual includes over 18 useful charts, checklists and inspection lists. Please specify English, Spanish or Portuguese. **Item CR3:** **R** \$199.00 **M** \$99.00



**FREE RESOURCES FOR SC&RA MEMBERS**

Members enjoy free access to crane, rigging, transportation and business resources at [www.scranet.org/membersonly](http://www.scranet.org/membersonly).



**R** = Retail price

**M** = Member price



# MEMBER DIRECTORY

## DIRECTORY OF MEMBERS AND EQUIPMENT

This annual directory of members and equipment is the most complete and up-to-date reference source in the industry:

- U.S., Canada and world-wide listings of qualified member contractors, their capabilities and equipment;
- Fast referencing by alphabetical and geographical indexes;
- Allied products and service listings include everything from manufacturers, consultants, and spare parts, to insurance and publications.

Item T7 (Print): 1-5 copies: **R** \$115.00 **M** \$50.00  
 6-10 copies: **R** \$115.00 **M** \$45.00  
 11+ copies: **R** \$115.00 **M** \$40.00

Item T7a (CD): Each: **R** \$499.00 **M** \$145.00

Note: The Directory on CD does not include e-mails.



# UNION AGREEMENTS

## UNION AGREEMENTS

SC&RA offers its members the opportunity to partner with unions through agreements that increase competitiveness and market share of signatory employers and work opportunities for union members. The agreements cover key provisions and have been used successfully throughout the industry for decades. For more information, contact Beth O'Quinn, [boquinn@scranet.org](mailto:boquinn@scranet.org).



### INTERNATIONAL ASSOCIATION OF BRIDGE, STRUCTURAL, ORNAMENTAL AND REINFORCING IRON WORKERS

**NCEFR—National**

**Agreement for Remodeling, Repair, Replacement, Renovation & Maintenance Work**

To read the full agreement, visit [www.scranet.org/NCEFR](http://www.scranet.org/NCEFR)



### UNITED BROTHERHOOD OF CARPENTERS AND JOINERS OF AMERICA MWA Agreement – Association of Millwright Contractors

To read the full agreement, visit [www.scranet.org/MWA](http://www.scranet.org/MWA)



### MWA-M AGREEMENT FOR THE PERFORMANCE OF REPAIR, REPLACEMENT, MAINTENANCE & RENOVATION WORK

**–Association of Millwright Contractors**

To read the full agreement, visit [www.scranet.org/MWAM](http://www.scranet.org/MWAM)



### INTERNATIONAL UNION OF OPERATING ENGINEERS Operating Engineers Agreement

To read the full agreement, visit [www.scranet.org/OEA](http://www.scranet.org/OEA)

**R** = Retail price

**M** = Member price

## INSPECTION FORMS/CHECKLISTS

### ASSEMBLY/ DISASSEMBLY CHECKLISTS

#### Mobile Crane Pre-Job Safety Meeting Checklist

This checklist provides more than 45 items that should be reviewed before beginning onsite work.

Categories include hazard assessment, power line safety, qualified workers, and crane configuration. (25 forms per pad. Includes a carbon copy. Size is 8.5X14)

Item S20 **R** \$17.00 **M** \$12.00



### CRANE SAFETY INSPECTION FORM (DAILY/MONTHLY)

Ensure your mobile cranes are inspected properly by using this comprehensive inspection form. This form contains over 100 daily and monthly inspection criteria to help keep your cranes in good working condition. (Pad of 50).

Item S1—1-9 pads: **R** \$12.00 **M** \$8.00  
10+ pads: **R** \$10.00 **M** \$7.50



### TOWER CRANE PRE-DELIVERY INSPECTION CHECKLIST

This checklist provides more than 220 items that should be reviewed prior to shipping a tower crane to a job site.

Categories include internal climber, trolleys, outriggers jib, base, tower, turntable and boom hoist. (25 forms per pad. Includes a carbon copy. Size is 8.5X14)

Item S21 **R** \$17.00 **M** \$12.00



### LATTICE BOOM CRANE ANNUAL INSPECTION CHECKLIST

Safety is a daily concern, but annually a more thorough inspection is required.

This includes more than 180 items to be inspected. In addition to a section for wire rope there is a chart for recording a load test as well as a deficiency report.

Item S17—1 set of 10: **R** \$17.00 **M** \$12.00



### TELESCOPING BOOM CRANE ANNUAL INSPECTION CHECKLIST

This checklist provides your inspectors a list of more than 165 items to inspect including hoists, hydraulics, boom and outriggers. Also included is a chart to record load test and a deficiency recommendation report.

Item S18—1 set of 10: **R** \$17.00 **M** \$12.00



## SIGNS/DECALS

### CRANE HAND SIGNALS POSTER DECAL— ENGLISH/SPANISH

Available in both English and Spanish (on one decal), with an illustration for each signal. The 11" x 16" decals are printed in black ink on durable white adhesive-backed vinyl, ideal for application to exterior painted metal equipment.

Item S13 1-29 copies: **R** \$5.50 **M** \$4.50  
30+ copies: **R** \$5.00 **M** \$4.00



### DEATH OVERHEAD DECAL

Taking the right safety precautions is crucial. Red and black weather-proof decal. (7" x 10")

Item S8—1-9 decals: **R** \$4.00 **M** \$3.00  
10+ decals: **R** \$3.00 **M** \$2.00



### SC&RA: "MEMBER" DECALS

These heavy duty decals are suitable for mounting on your equipment, showing the industry you are an SC&RA Member Company.

Item G3 3" x 3" Decal  
1-9 decals: \$2.00 25 pack: \$18.75

Item G4 9" x 11" Decal  
1-9 decals: \$3.00 15 pack: \$22.50



**R** = Retail price

**M** = Member price

# PRODUCT INDEX



## PRODUCT CATALOG

### PERMIT MANUAL

	ITEM	RETAIL	MEMBER
State & Province Oversize/Overweight Permit Manual <i>(Digital Subscription)</i>	T1	\$300.00	\$160.00

### EDUCATION/TRAINING

	ITEM	RETAIL	MEMBER
Forklift Rigging Attachments <i>(DVD+Book set)</i>	F8B	\$119.00	\$89.00
Forklift Rigging Attachments <i>(Book only)</i>	F8W	\$39.00	\$29.00
Glossary of Common Crane and Rigging Terms	CR5	\$14.95	\$12.95
Glossary of Common Crane and Rigging Terms <i>(Spanish)</i>	CR5-S	\$14.95	\$12.95
Operating Cranes Around Powerlines <i>(Set-DVD + Booklet)</i>	PL-SET	\$195.00	\$150.00
Operating Cranes Around Powerlines <i>(Booklet Only)</i>	PL_B	\$10.99	\$7.99
Recommended Practices for Telescopic Hydraulic Gantry <i>(DVD+book)</i>	HGD	\$129.00	\$99.00
Recommended Practices for Telescopic Hydraulic Gantry <i>(Book Only)</i>	HG	\$69.00	\$49.00
Specialized Transportation Driver Training DVD	S16D	\$195.00	\$150.00
Specialized Transportation Load Securement DVD	S16B	\$195.00	\$150.00
The Guide to Mobile Crane Safety Management <i>(English/Spanish/Portuguese)</i>	CR3	\$199.00	\$99.00

### MEMBER DIRECTORY

	ITEM	RETAIL	MEMBER
Directory of Members and Equipment <i>(Print)</i>	T7	\$115.00	\$50.00
Directory of Members and Equipment <i>(CD-electronic)</i>	T7A	\$499.00	\$145.00

### UNION AGREEMENTS

	MEMBER
International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers	See Agreement
International Union of Operating Engineers	See Agreement
United Brotherhood of Carpenters and Joiners of America	See Agreement
MWA-M Agreement	See Agreement

### INSPECTION FORMS/CHECKLISTS

	ITEM	RETAIL	MEMBER
Mobile Crane Pre-Job Safety Meeting Checklist <i>(Pad of 25)</i>	S20	\$17.00	\$12.00
Tower Crane Pre-Delivery Inspection Checklist <i>(Pad of 25)</i>	S21	\$17.00	\$12.00
Crane Safety Inspection Form <i>(Daily/Monthly) (Pad of 50)</i>	S1	\$12.00	\$8.00
Lattice Boom Crane Annual Inspection Checklist <i>(Set of 10)</i>	S17	\$17.00	\$12.00
Telescoping Boom Crane Annual Inspection Checklist <i>(Set of 10)</i>	S18	\$17.00	\$12.00

### SIGNS/DECALS

	ITEM	RETAIL	MEMBER
Crane Safety Inspection Form <i>(Daily/Monthly)</i>	S1	\$12.00	\$8.00
Death Overhead Decal	S8	\$4.00	\$3.00
SC&RA Member Decals <i>(3x3)</i>	G3	n/a	\$2.00
SC&RA Member Decals <i>(9x11)</i>	G4	n/a	\$3.00

### TRANSLATED PRODUCTS

	ITEM	RETAIL	MEMBER
Crane Hand Signal Poster Decal <i>(11x16)</i>	S13	\$5.50	\$4.50
Crane Hand Signal Pocket Guide	S14	\$26.00	\$16.00
Crane Hand Signals Mobile App			
Glossary of Common Crane and Rigging Terms	CR5	\$14.95	\$12.95
The Guide to Mobile Crane Safety Management <i>(English/Spanish/Portuguese)</i>	CR3	\$199.00	\$99.00

**R** = Retail price

**M** = Member price

Managing the risks of work in a post-Covid-19 world is more complex and safety is of utmost importance.

# A global shift

As we all know, our world is responding to shifts in how we live and work that are the result of the global coronavirus pandemic. Throughout the majority of this year, there's been one challenge after another as companies have scrambled to adjust to a world where stay-at-home orders and social distancing initially brought business operations to a halt or reduced pace. Now they are forced them to consider how to execute even the most routine of workplace tasks in the future.

## The Covid impact

Covid-19 first began seriously impacting daily life in mid-March of 2020. By the start of April, many communities across the country had instituted stay-at-home or shelter-in-place orders, preventing nonessential workers from physically going into work. The Cybersecurity & Infrastructure Security Agency (CISA) issued guidance and an accompanying list intended to support state, local and industry partners in identifying critical infrastructure sectors and essential workers. Crane, rigging and specialized transportation companies were among those listed as essential.

This was good news, but despite the "essential worker" designation, the crane, rigging, and specialized transportation sector prepared for a slowdown at best – layoffs, job cancellations or indefinite postponements, and more. As 2020 came to a close, we know that some of those fears did come to fruition. Our insured companies did see some jobs cancelled

as well as layoffs and furloughs. Various states have been forced to respond to weekly shifts in stay-at-home, mask-wearing, and social distancing guidelines. The situation has changed but is still a major issue to consider and manage.

*American Cranes & Transport* reported at the beginning of June that U.S. construction employment rebounded by 464,000 jobs in May of 2020, but the total remained 596,000 below the latest peak in February of the same year. The industry's 12.7 percent unemployment rate was the highest for May since 2012, according to an analysis of government data by the Associated General Contractors of America (AGC). For now, a fair portion of companies are resuming or ramping up work again, and we are starting to see and hear from our insureds and partner organizations that new jobsite threats are emerging. We at NBIS are committed to helping our insureds and the broader industry manage risk and keep employees safe. The question on everyone's mind is: how do we move forward and continue to stay nimble amid uncertainty related to the coronavirus situation?

Our first recommendation isn't surprising, but it's so important that we have to mention it as first and foremost.

**SAFETY IS FIRST.** A culture of safety at the organizational level is of utmost importance. We call it a safety culture because it has to be a total approach. Safety has to be the first and last thing you think of because you want everyone going home at the end of every day.

Many companies have asked us about the exact approach they should take. Our answer has always been that more is better. With the possibility of virus transmission looming and piling on top of existing safety considerations, safety is more important but also more complex than ever. We can't tell you exactly the guidelines you should have in place, but there are many resources to help your

company develop its own procedures and guidelines.

The bottom line is that every business, regardless of industry, will need leaders to carefully examine the specific ways their companies need to be watchful. Heavy construction companies, for example, handle tools and equipment, often creating an extra facet of sanitation requirements. Think carefully and often about every detail of your operations.

**UTILIZE TECHNOLOGY.** Can you imagine how differently the COVID-19 situation would have unfolded two or three decades ago? Our technology-oriented society has enabled us to stay connected to our jobs and communities even while homebound. Conferences and meetings have migrated online, phone and email have sufficed when in-person meetings cannot occur, and online form submission systems have allowed companies to collect necessary documents, contracts and signatures in a contactless fashion.

You might ask: How can my company use technology to connect and convey information and thus reduce the potential threat of spreading the virus? From a safety perspective, there are a number of ways technology can be your friend. Some of our insureds have said that they have struggled without the ability to hold a traditional daily toolbox talk – an opportunity that would typically allow them to remind their workers of important safety topics. Why not establish the practice of sending a morning email to all staff, with a different safety topic per day?

Training and conveying new safety information can easily be moved to an online format. NBIS offers its policyholders several online training and digital education opportunities that can be completed from anywhere and within a variety of time frames. Why not establish a safety practice that requires workers to log on once every two weeks and complete a training course?



## THE AUTHOR

**Bill Smith**, Executive Vice President, NBIS, is an expert on risk management and safe crane operations. He was a member of C-DAC, which assisted writing the OSHA Crane & Derricks Standard.



Covid-19 will be an issue well into 2021.

Companies can also disseminate safety information via email and online bulletins or hold virtual “toolbox talks” over Zoom. Finally, utilize scanning and programs such as DocuSign to circulate forms, contracts and other important documents. Communication may be different for a while, but that doesn’t automatically mean it has to suffer or remain limited.

**THE DANGERS OF DISTRACTION.**

The number one threat to workers in the crane, rigging and specialized transportation sector right now is not coronavirus. It’s distraction. The FMCSA has shown that the odds of being involved in a safety-critical event (e.g., crash, near-

crash, unintentional lane deviation) is 23.2 times greater for CMV drivers who engage in texting while driving than for those who do not. Smartphone use makes distracted driving a real threat.

What’s less obvious is the increased threat of distraction related to national and world-wide issues. Coronavirus poses a threat to physical health as well as mental health. I personally have received a number of sad and appalling calls from colleagues sharing scary news: their own employees or those of peers they work with have succumbed to injury or even death as a result of errors caused by distraction. In my home state, there have been multiple struck-by incidences with heavy equipment, and even a fatal fall.

Enhanced communication tools are for naught if workers are stressed and distracted. If we cannot remove the catalyst of significant and widespread distraction rooted in emotional distress, how do we effectively manage and communicate with our employees?


**THE ANSWER IS LEADERSHIP.** Take control and make it simple for your employees to conduct their work safely and effectively. If you see that there is

confusion over, say, how to handle break times while still maintaining social distance, or whether employees should wear masks, leadership should be the final word.

Let your employees know what’s expected by making rules and clearly communicating them. This will remove guesswork and stressful decision making from their minds and create a consistent environment that gives your team the space they need to execute their tasks. We recommend the SC&RA’s “COVID-19 Guidelines for Safe Workplaces,” which provides a number of actionable items to help guide you in the establishing of safety practices.




**BE THE STRENGTH YOUR TEAM NEEDS.**


Offer your employees words of encouragement. Empathize with their struggle to stay focused when times are so uncertain and let them know you will work hard to make their professional responsibilities feasible. At the end of the day, there is always work to be done. Creating the atmosphere for them to focus on work by addressing how difficult it sometimes is to do just that can go a long way towards motivating your workforce. ■



sales@nelsontrailers.com  
www.nelsontrailers.com  
Phone: 419-523-5321

**Providing Solutions for all of North America**  
*LET US ASSIST YOU WITH YOUR TRANSPORTATION NEEDS*  
**Crane \* Rigging \* Construction \* Heavy Haul \* Oversize \* Aerospace**



**6448 State Route 224 Ottawa, OH 45875**

Leading the market in  
**Monitoring and Alert Technology Systems**

# GREER LMI



For more information  
**CALL US TODAY!**  
**918-298-8300**

**Greer LMI MG6 and optional TS7 Touch Screen**

**Benefits & Features**

- ✓ The TS7 is available in glass-front, glove-friendly touch screen and button push models to suit the needs of your application
- ✓ Equipped with a high-speed processor, the TS7 delivers seamless graphics, animations, and video playback for a rich user experience
- ✓ The MG6 computer serves as an economical retrofit kit for legacy Greer systems and can be used along with existing Insight and Element II displays.
- ✓ CAN J1939 output
- ✓ MG6 Computer; displays and cameras are IP67 rated
- ✓ The MG6 computer leverages external pressure transducers meaning transducers can be serviced individually in the field reducing downtime and repair costs
- ✓ New MG6 datalogger is retrievable in Excel format via USB flashdrive



www.dovertwg.com

**Contact Us Today**

TWG Headquarters  
11135 S James Ave Jenks, OK 74037 USA  
(918) 298-8300 | salesinfo@dovertwg.com



Getting the most out of your insurance relationships.

# Insurance

**G**etting the most out of your insurance relationships can help your business in many ways. The key is finding the insurance company with the best team of professionals.

**WORK WITH A SPECIALIST.** The needs of the crane, rigging and heavy haul industries are very distinct from that of a general trucker or construction operation. Working with a generalist can not only leave you with inadequate insurance coverage, you may also miss out on other value added services and the expertise you require. Find an insurance carrier that specializes in and offers programs for your particular niche, and make sure they offer the insurance coverages and endorsements you need. Your designated insurance broker should have an in depth understanding of not only your operation, but the industries your company serves. Take a step back and assess whether your broker understands the intricate nature of your operation. Working with seasoned insurance professionals who specialize in crane & rigging or specialized heavy hauling can help you decipher what you're buying.

**VALUE TRANSPARENCY.** Alignment between you, your broker, and your insurance carrier is critical and can only occur if there is a symbiotic transparent relationship between all three parties. The insurance process should not be shrouded in mystery and complexity, and it is the responsibility of the insurance professionals you work with to help alleviate those issues when they occur.

**SEEK OUT STABILITY.** Understand the financial stability and strength of your insurance carrier by looking at their A.M.

Best rating. Understand how long they have been in business, their financial ratios, and key operating characteristics.

**THINK FINANCING RISK NOT BUYING INSURANCE.** Insurance is likely one of your top organizational expenses; therefore, spending the appropriate time analyzing short, intermediate, and long-term goals is critical. There are a number of options beyond transferring all of your risk to an insurance carrier. Savvy buyers of insurance understand the pros and cons of large deductibles, captive programs, retrospective rated options, and other solutions available in the marketplace to ensure they make the best decision when financing risk. Making a short term decision based solely on the lowest price can lead to years of heartburn.

**UNDERSTAND WHAT MATTERS TO YOUR INSURANCE CARRIER.** Insurance underwriters are faced with numerous opportunities each day and like everyone, they need to prioritize what comes in the door. With that in mind, it makes sense to understand what they are looking for, what makes your operation more or less desirable, and how you fit within their appetite. Many insurance carriers analyze frequency and severity of claims, safety scores, operator and driver profiles, contracts, fleet mix and safety programs through the underwriting process. Working closely with your broker to compile a thorough underwriting submission will help you get the most comprehensive package and structure.

**TAKE ADVANTAGE OF RISK MANAGEMENT SERVICES.** Many insurance carriers offer risk management services and programs to assist in you in becoming a more safe, effective, and efficient operation. Many of these services are included with a policy and should not be overlooked. These may include pre-packaged safety meetings, online training videos, sample safety programs and guides. Your carrier may even offer suggestions or support for services and technology like telematics programs, accident event recorders, defensive driver training, certifications, return-to-work programs and so on. Your insurance providers should offer tools and services to help control and lower your claims, ultimately helping to drive down your cost of risk over time.



**IDENTIFY JOINT GOALS WITH YOUR CARRIER.** Many insurance carriers will conduct an onsite visit at your operations to assess your company and ideally provide consultative services to assist in improving from a safety standpoint. Before the visit, consider what you would like to accomplish so you can articulate to them how they can help your organization. The best carriers will offer solutions you need, and not just “kick the tires,” pointing out deficiencies without providing solutions and tools to combat them.

**EMBRACE TECHNOLOGY.** While the thought of change and the burgeoning technological landscape can be overwhelming, those who put their head in the sand will be left behind over time and see their costs rise. Not every solution will make sense for your company, but making an informed decision is much better than watching your competitors advance past you, and once you realize it, you may be too late. Lean on your insurance providers to help you navigate the many options, as they most likely have some hands on insight they can share.

**AVOID HIRING YOUR CLAIMS.** Incorporate physical abilities testing (PAT) programs into your hiring process, and ensure you consistently enforce your hiring guidelines.

## THE AUTHORS

**Shawn Los** is senior vice president of National Interstate Insurance Company.



**Lauren Fronczek** is senior marketing manager of National Interstate Insurance Company.





# relationships 101



Through effective relationships, you can turn risk management into a competitive advantage and make your company safe and stronger.

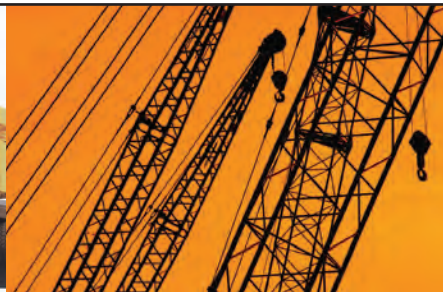
**MEET YOUR INSURANCE CARRIER.** You want an insurance carrier that will be your best partner on your worst day. Get to know insurance company personnel, including its senior executives, and develop a long-term affiliation with those who you work with. If you build strong relationships with the right people, your insurance experience can be crafted to meet the unique needs of your organization.

**EFFECTIVE CLAIMS ADJUSTING IS CRITICAL, BE SURE TO UNDERSTAND WHO IS HANDLING YOURS.** Does your insurance carrier handle claims in-house with their own staff or do they utilize a third party administrator (TPA) for claims handling? Do you have the opportunity to have claims reviews or jump online to review important claims information? Poor claims handling can hurt your company's reputation and haunt you for years, driving up insurance costs down the road. Find

an insurance carrier with true expertise in handling complex claims and demand excellent communication throughout the claims handling process.

In a highly competitive and challenging industry, you need every advantage you can get. Effectively managing your risk and taking control of your insurance program is oftentimes overlooked. Through an effective relationship with your insurance professionals you can turn risk financing into a competitive advantage while making your company safer and stronger.

Policies are underwritten by National Interstate Insurance Company and Vanliner Insurance Company, authorized insurers in all 50 states and the D.C.; National Interstate Insurance Company of Hawaii, Inc., an authorized insurer in HI, MI, NJ, and OH; and Triumpher Casualty Company, an authorized insurer in all states and the D.C. except in MI, NJ, NY and WY. National Interstate Insurance Company, 3250 Interstate Dr., Richfield, OH 44286.



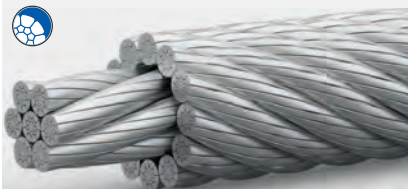
WWW.PYTHONROPE.COM

info@ascindustries.com

708.647.4900

### Python® Compac 18

Category 2 Rotation Resistant wire rope. The rope is made with our HiPac® strands to provide for better drum spooling and less core abrasion. Not to be used with a swivel.



### Python® Super 8

High-Performance Boom Hoist and Luffing Rope. with PlastGuard and optional Hi-Pac, Force-Pac and Long-Life Technologies.



### Python® Compac 35

Category 1 Rotation Resistant wire rope. Designed with superior lateral stability for superior spooling on multi-layer drums. Can be used in single line applications even with a swivel.





THE LIFTING EXPERTS

# LGH RENTS GEAR FOR ALL OF YOUR LIFTS

## TEST, INSPECT, CERTIFY, RENT, REPEAT

LGH sets the bar when it comes to equipment safety and reliability. With vertical and horizontal proof testing equipment, certified and experienced technicians on site at each of our rental locations and reliable processes in place for each piece of gear in our fleet, no equipment is safer or more reliable than equipment rented from LGH. With 23 North American Rental Centers, the gear you need is just a phone call away.



(800) 878-7305



[Rentals@RentLGH.com](mailto:Rentals@RentLGH.com)



[www.RentLGH.com/ACT](http://www.RentLGH.com/ACT)



# Heavyweights!

American Cranes & Transport presents its 15th annual **ACT100** Index of North America's top crane-owning companies.

The **ACT100** Index of North America's top crane-owning companies saw sustained growth over the past year but gains were not substantial. The top 100 companies added 159,537 tons of capacity for a total index of 2,778,193. The **ACT100** charted growth in every category except number of mobile cranes and number of

branches. It is hard to say if the indexes were impacted due to the Covid-19 crisis, which started making an impact about two months before surveying began.

In 2019, the **ACT100** Index was 2,618,656 tons. In 2018 the **ACT100** index was 2,495,860 tons, and it was 2,365,977 tons in 2017. In three years the **ACT100** index has gained 412,216 tons of capacity. This growth can be attributed to three factors: sustained economic growth in North America, mergers/acquisitions by the top 10 companies on the list and the addition of several new, higher capacity cranes by the larger-scale companies.

The number of branch offices fell again this year from 730 to 720. While the crane companies on our list may have consolidated their branches, employee growth was quite healthy. Total employees in 2020 is 37,437, a gain of 1,951 over the 2019 employee count of 35,486. Employee growth could be considered flat though, as the eight new companies on the list provided most of the gains. The **ACT100** showed 31,907 workers in 2018 and 29,287 in 2017. The **ACT100** has finally surpassed the peak we saw in 2015 of 37,040 workers.

In 2019 our index showed 3,198 crawler

© ROBERT DIMMITT PHOTOGRAPHY



BY THE NUMBERS

**EMPLOYEES**  
37,437

**BRANCHES**  
720

**MOBILE CRANES**  
16,273

**CRAWLER CRANES**  
3,290

**TOTAL CAPACITY**  
2,778,193 tons

**SCOPE OF OPERATION:**

**REGIONAL** 56

**NATIONAL** 27

**WORLDWIDE** 22

**NEWCOMERS TO THE LIST** 8

## ACT100 2021

Submit information for the 2021 **ACT100** by emailing:  
d.annshiffler@khl.com or  
hannah.sundermeyer@khl.com.

## Top 10 largest crawler fleets

RANK 2020	COMPANY NAME	HQ	CRAWLER FLEET	ACT INDEX
1	Maxim Crane Works	USA	515	704,400
2	Lampson International	USA	389	125,089
3	ALL Family of Companies	USA	337	165,486
4	Bigge Crane and Rigging Company	USA	268	193,198
5	Buckner HeavyLift Cranes	USA	150	88,255
6	Mammoth Americas	USA/Canada	136	99,689
7	Marmon Crane Services	USA	103	129,024
8	J.F. Lomma Inc.	USA	100	45,000
9	Berry Contracting	USA	97	25,930
10	W.O. Grubb Crane Rental	USA	73	39,547

>42

RANK 2020	RANK 2019	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
1	1	<b>Maxim Crane Works</b>	USA	58	3,750	Worldwide	Bryan Carlisle, CEO
2	2	<b>Bigge Crane and Rigging Company</b>	USA	21	1,059	National	Joe Nelms, Vice President
3	3	<b>ALL Family of Companies (ALL Erection &amp; Crane Rental)</b>	USA/Canada	36	1,600	Worldwide	Michael L. Liptak, President
4	12	<b>Marmon Crane Services</b>	USA	47	2,175	Worldwide	John Roberts, President
5	4	<b>Lampson International</b>	USA	8	300	Worldwide	Bill Lampson, President
6	5	<b>Mammoet Americas</b>	USA/Canada	25	2,000	Worldwide	Paul van Gelder, CEO
7	6	<b>TNT Crane &amp; Rigging</b>	USA	42	1,635	National	Mike Appling, CEO
8	8	<b>Buckner HeavyLift Cranes</b>	USA	3	250	Worldwide	Doug Williams, CEO
9	7	<b>Barnhart Crane &amp; Rigging</b>	USA	51	1,550	National	Alan Barnhart, CEO
10	11	<b>Beyel Brothers Inc.</b>	USA	8	393	Regional	Joseph D. Beyel, President
11	10	<b>Deep South Crane &amp; Rigging</b>	USA	8	700	Worldwide	Mitch Landry, President
12	14	<b>Bragg Crane Service</b>	USA	13	1,000	National	Mike Roy, Executive Vice President
13	13	<b>J.F. Lomma Inc.</b>	USA	7	180	Worldwide	Frank Signorelli, COO
14	17	<b>NCSG Crane and Heavy Haul</b>	Canada	12	450	National	Andy Fraser, President/CEO
15	15	<b>ML Holdings Company Crane Group</b>	USA	24	597	National	Scott Wilson, President
16	9	<b>W.D. Grubb Crane Rental</b>	USA	11	334	National	William O. Grubb, President
17	16	<b>Guay Inc.</b>	Canada	24	500	National	Jean-Marc Baronet, President
18	NEW	<b>Sarens USA</b>	USA	7	243	Worldwide	Wim Sarens, CEO
19	20	<b>Mountain Crane Service</b>	USA	4	213	Regional	Paul Belcher, Owner/CEO
20	19	<b>Scott-Macon Equipment</b>	USA	9	200	Worldwide	Robert B. Dimmitt, Executive Vice President
21	18	<b>Sterett Crane &amp; Rigging</b>	USA	8	120	National	Jonathan Spong, President
22	22	<b>Berry Contracting</b>	USA	6	3,500	Worldwide	Berry Peterson, Vice President
23	21	<b>Marco Crane &amp; Rigging</b>	USA	6	220	National	Dan Mardian, Jr., President
24	23	<b>Imperial Crane Services</b>	USA	3	250	Worldwide	B.J. Bohne, President/CEO
25	24	<b>Stevenson Crane Service*</b>	USA	4	198	Worldwide	Donna Stevenson, President
25	41	<b>Fagioli Inc. (USA)</b>	USA	4	142	Worldwide	Edoardo Ascione, President
26	NEW	<b>Lift Source Machinery</b>	USA	1	6	Worldwide	Don Udelson, CEO
27	26	<b>H&amp;E Equipment Services</b>	USA	11	2,200	Regional	Cary Burr, Senior Vice President of Cranes
28	32	<b>Capital City Group</b>	USA	6	347	Regional	Brian Gibson, President/CEO
29	NEW	<b>Superior Cranes Inc.</b>	USA	7	225	Worldwide	Joe Everett, President
30	29	<b>NessCampbell Crane + Rigging</b>	USA	9	300	Regional	John J. Anderson, President
31	30	<b>Northwest Crane Service</b>	USA	8	150	National	Andy Hodges, President
32	38	<b>Big B Crane</b>	USA	2	110	Regional	Daniel Basden, President
33	36	<b>Joyce Crane</b>	USA	6	176	Regional	Joe Bob Joyce, President
34	35	<b>Dielco Crane Service</b>	USA	1	136	Regional	David Dieleman, President
35	33	<b>Kelley Equipment of Florida</b>	USA	2	160	Regional	Daniel H. Gold, CEO
36	31	<b>Circle 8 Crane Services</b>	USA	6	205	Regional	Bryan Ericson, President
37	27	<b>CraneWorks Inc.</b>	USA	9	191	Worldwide	Keith Ayers, CEO
38	34	<b>Dozier Crane</b>	USA	5	40	Worldwide	Dozier Cook, President
39	28	<b>Mr. Crane</b>	USA	3	140	National	Andy M. Steinberg, President & CEO
40	38	<b>Laramie Equipment*</b>	USA	2	65	Worldwide	Jeff Laramie, Vice President
41	37	<b>Custom Truck One Source</b>	USA	26	1,650	National	Fred Ross, CEO
42	47	<b>Wagstaff Crane Service</b>	USA	1	95	Regional	Jim Wagstaff, President

EDITOR'S NOTE: Every attempt was made to assure the information in the ACT100 is correct and accurate. The editors of ACT and employees of KHL Group Americas do not assume responsibility for errors, omissions or erroneous information.



**DEDICATED TO THE DESIGN AND FABRICATION OF**  
**➤ BOOM DOLLIES ➤ BOOM LAUNCH TRAILERS**  
**➤ HEAVY HAUL TRAILERS ➤ SPECIALIZED TRAILERS**

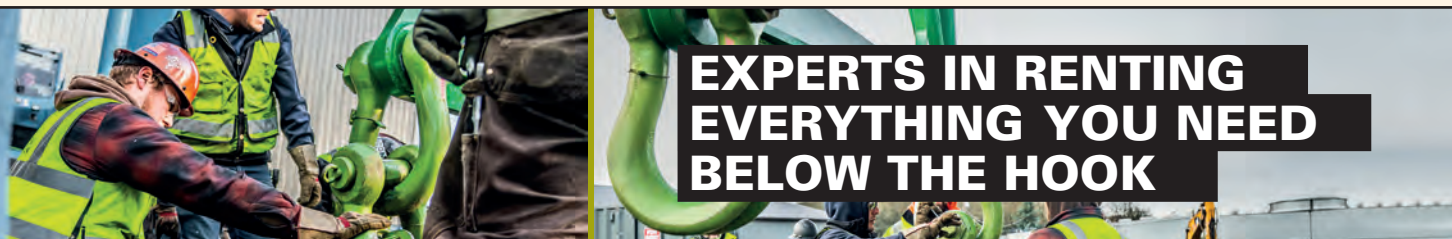
WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
maximcrane.com	2,750	515	Manitowoc 31000	2,535	<b>704,400</b>
bigge.com	966	268	Liebherr LR 11000	1,100	<b>193,198</b>
allcrane.com	1,807	337	Manitowoc 21000	1,000	<b>165,486</b>
marmoncranes.com	1,102	103	Liebherr LTM 1750-9.1	900	<b>129,024</b>
lampsoncrane.com	65	389	Lampson Transi-Lift LTL-3000	3,000	<b>125,089</b>
mammoet.com	528	136	Mammoet PTC 200	5,000	<b>99,689</b>
tntcrane.com	633	53	Liebherr LTM 1750-9.1	900	<b>93,904</b>
bucknercompanies.com	9	150	Liebherr LR 11350-P	1,754	<b>88,255</b>
barnhartcrane.com	530	49	Demag CC8800	1,375	<b>82,891</b>
beyel.com	191	56	Manitowoc 21000	1,000	<b>65,239</b>
deepsouthcrane.com	241	26	VersaCrane TC 36000/2	3,000	<b>57,525</b>
braggcrane.com	344	35	Liebherr LR 1750/2	825	<b>45,524</b>
jflommainc.com	109	100	Manitowoc 18000	825	<b>45,000</b>
ncsg.com	208	39	Liebherr LTM 11200	1,350	<b>40,095</b>
mlholdingscranegroup.com	285	29	Liebherr LTM 1500	625	<b>40,010</b>
wogrubb.com	275	73	Liebherr LR 1750/2	825	<b>39,547</b>
gruesguay.com	430	22	Liebherr LTM 11200-9.1	1,500	<b>38,447</b>
sarens.com	84	28	SGC-250	5,000	<b>33,500</b>
mountaincrane.com	91	56	Liebherr LR 11000	1,100	<b>32,963</b>
smequipment.com	466	57	Tadano ATF220G-5	250	<b>29,095</b>
sterettcrane.com	148	41	Terex CC2800-1	660	<b>28,870</b>
bayltd.com	22	97	Liebherr LTM 11200-9.1	1,500	<b>25,930</b>
marcocrane.com	201	28	Grove GMK 7550 w/Megawing	550	<b>24,318</b>
imperialcrane.com	195	31	Liebherr LTM 1500	600	<b>19,000</b>
stevensoncrane.com	161	26	Manitowoc 18000 w/Maxer	826	<b>18,000</b>
fagioli.com	12	16	Liebherr LR 11350-P1800	2,000	<b>18,000</b>
LSMcrane.com	79	14	Liebherr LTM 1750	900	<b>17,205</b>
he-equipment.com	228	-	Grove RT 9165	165	<b>17,200</b>
ccgroup-inc.com	124	28	Manitowoc MLC650	776	<b>16,125</b>
superiorcranes.com	112	4	Demag CC6800-1	1,375	<b>16,040</b>
nesscampbell.com	96	7	Liebherr LTM 1500-8.1	600	<b>15,378</b>
northwestcraneservice.com	37	7	Liebherr LR 11000	1,200	<b>14,950</b>
bigbcrane.com	50	42	Manitowoc MLC 300	386	<b>14,664</b>
joycecrane.com	98	1	Liebherr LTM 1750-9.1	900	<b>14,043</b>
dielcocrane.com	72	17	Liebherr LR 1600	660	<b>13,976</b>
kelleyequipment.com	54	33	Demag AC500-2	600	<b>13,650</b>
circle8services.com	82	-	Grove GMK 7550	550	<b>13,545</b>
crane-works.com	511	9	Demag AC220-5	245	<b>13,335</b>
doziercrane.com	71	45	Kobelco CK 3300G-2	330	<b>13,179</b>
mrcrane.com	52	23	Manitowoc MLC650 VPC Max	772	<b>12,408</b>
laramiecrane.com	53	31	Demag AC 1200	500	<b>12,200</b>
customtruck.com	242	15	Sany SCC8150	165	<b>12,000</b>
wagstaffcrane.com	74	4	Liebherr LTM 1750-9.1	900	<b>11,440</b>

&gt;44



RANK 2020	RANK 2019	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
42	↗42	<b>Barcelona Equipment*</b>	USA	1	60	Regional	Bob Steiner, President
43	↗45	<b>Digging and Rigging</b>	USA	6	237	Regional	James Gregory, Sr., President
44	↗44	<b>Kirby-Smith Machinery</b>	USA	14	500	National	Rickey Bailey, Vice President Crane Division
45	↗52	<b>Boss Crane &amp; Rigging</b>	USA	3	200	Regional	David Cowley, President
46	↘43	<b>Southwest Industrial Rigging</b>	USA	4	150	Regional	Harry Baker, President/Owner
47	↘40	<b>Irving Equipment</b>	Canada	6	150	Regional	David Irving, General Manager
48	↗49	<b>Vic's Crane &amp; Heavy Haul Inc.</b>	USA	5	225	Regional	Josh Horsch, Vice President
49	↘48	<b>Edwards Inc.</b>	USA	5	516	Regional	Jamie Ezzell, Crane Division Manager
50	↗50	<b>Ideal Crane Rental</b>	USA	6	100	Regional	Robert Kalhagen, President
51	↗72	<b>Reliable Crane Service</b>	USA	2	86	Regional	Darrell Shaw, CEO
52	↘51	<b>R.H. Marlin Inc.</b>	USA	1	70	Regional	Joe Fox, Vice President
53	↗55	<b>Thackray Crane Rental</b>	USA	5	135	Regional	Steve Stunder, CEO
54	↗54	<b>Erickson's*</b>	USA	4	65	Regional	Steve Erickson, President
55	↘46	<b>CraneWorks</b>	USA	3	180	Regional	Rusty Brooks, General Manager
56	↗57	<b>Blue Hat Crane</b>	USA	4	100	National	Mike Palendat, Mobile Crane Operations Director
57	↘56	<b>Viant Crane*</b>	USA	2	20	Regional	David M. Lemke, President/COO
58	↗58	<b>Giuffre Bros. Cranes</b>	USA	2	25	Worldwide	Todd Proctor, General Manager
59	↗70	<b>Atlas Crane Service Inc.</b>	USA	3	54	Regional	Zach Prentis, President
60	↗61	<b>Hill Crane Service</b>	USA	2	85	Regional	Ron Hill, Vice President
61	↗62	<b>JJ Curran Crane</b>	USA	1	44	Regional	Jeff Curran, President
62	↘60	<b>Budrovich Contracting</b>	USA	3	100	Regional	Eric Struckhoff, Vice President
63	↗64	<b>Alamo Crane Services</b>	USA	2	70	Regional	Marvin Ohlenbusch, COO
64	↘63	<b>G. A West/Legacy Equipment*</b>	USA	5	1,100	National	Gary A. West, President
65	↗66	<b>Padgett Inc.</b>	USA	1	150	Regional	Aaron Pike, Crane Rental Manager
66	↗67	<b>Connelly Crane Rental Corp.*</b>	USA	3	49	Regional	Michael Connelly, President
66	NEW	<b>Supor Crane &amp; Rigging</b>	USA	4	150	National	Eddie Shinn, Director
67	↗68	<b>Solley Equipment &amp; Rigging*</b>	USA	3	49	Regional	Ronnie Solley, Owner
68	↗69	<b>Crane Service Company*</b>	USA	5	157	Regional	Brian Mazzella, Vice President
69	↗71	<b>JPW Companies*</b>	USA	1	100	National	Dave Schwalm, Executive Vice President
69	↗71	<b>Wanzek Construction</b>	USA	2	650	National	Joel O'Neil, Equipment Director
70	↗81	<b>Texas Crane</b>	USA	2	34	Regional	Tony Turner, President
71	↗73	<b>Landwehr Construction</b>	USA	2	225	Regional	Nathan Landwehr, President
72	↗74	<b>Clark Rigging &amp; Rental Corp.*</b>	USA	3	65	Regional	David F. Clark, President
73	↗75	<b>A Quick Pick Crane Service</b>	USA	1	40	Regional	Scott Schrade, President
74	↗84	<b>Omega Morgan</b>	USA	2	250	National	Troy Tallent, VP Specialized Transportation
75	↗77	<b>McRay Crane &amp; Rigging</b>	USA	1	56	Regional	Calvin Jones, Executive Director
76	↗78	<b>I.B. Dickinson &amp; Sons</b>	USA	3	45	Regional	Donald Dickinson, President
77	↗80	<b>Custom Service Crane</b>	USA	5	48	Regional	Randy Huffman, Vice President
78	↗82	<b>JK Crane</b>	USA	1	15	Regional	Jennifer Gabel, Owner
79	↗83	<b>Anglemyer Crane</b>	USA	1	35	Regional	John Anglemyer, President
80	↘76	<b>AME Inc.</b>	USA	4	150	Worldwide	Jeff Campbell, President
81	↗85	<b>Taylor Crane &amp; Rigging</b>	USA	2	94	National	Jim C. Taylor, Jr., President
82	NEW	<b>Roscco Crane and Rigging</b>	USA	1	50	National	Ross Kovach, Vice President
83	↗86	<b>Greiner Industries</b>	USA	2	300	Regional	Frank Greiner, Owner

**EDITOR'S NOTE:** Every attempt was made to assure the information in the **ACT100** is correct and accurate. The editors of **ACT** and employees of KHL Group Americas do not assume responsibility for errors, omissions or erroneous information.




**EXPERTS IN RENTING  
EVERYTHING YOU NEED  
BELOW THE HOOK**

WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
barcelonacrane.com	51	40	Tadano ATF 400G-6	450	<b>11,440</b>
digrig.com	86	2	Liebherr LTM 1750-9.1	900	<b>10,745</b>
kirby-smith.com	150	10	Grove RT9130E-2	130	<b>10,008</b>
bosscrane.com	30	16	Liebherr LTM 1750-9.1	900	<b>9,673</b>
swirusa.com	54	6	Grove GMK 7550	550	<b>9,060</b>
irvingequipment.com	56	14	Liebherr LR 1600/2	660	<b>8,957</b>
vicscrane.com	67	5	Demag CC2800 w/superlift wagon	660	<b>8,718</b>
edwardsinc.com	91	3	Demag AC 500-2	600	<b>8,540</b>
idealcranerental.com	81	11	Liebherr LTM-1450 8.1	550	<b>8,010</b>
reliablecraneservice.com	52	5	Grove GMK 7550	550	<b>7,670</b>
rhmarlin.com	72	13	Grove GMK 7550	550	<b>7,500</b>
thrackraycrane.com	133	7	Liebherr LTM 1400-7.1	500	<b>6,991</b>
ericksonsgcr.com	23	9	Liebherr LTM 1750	827	<b>6,900</b>
craneworks.com	79	2	Liebherr LTM 1400-7.1	500	<b>6,251</b>
bluehatcrane.com	46	13	Grove GMK 7550	550	<b>6,042</b>
viantcrane.com	38	10	Manitowoc MLC300 Series III	386	<b>5,725</b>
giuffre.com	198	-	Liebherr LTM 1090/2	110	<b>5,720</b>
atlascraneserviceinc.com	52	-	Liebherr LTM 1750-9.1	900	<b>5,600</b>
hillcrane.com	46	-	Liebherr LTM 1400-7.1	500	<b>5,519</b>
jjcurran.com	59	-	Grove GMK 6400	450	<b>5,425</b>
budrovich.com	53	5	Grove GMK 7550	550	<b>5,404</b>
alamocrane.com	39	1	Liebherr LTM 1500-8.1	600	<b>5,183</b>
gawest.com	29	15	Manitowoc 16000 w/Maxer	440	<b>5,020</b>
padgett-inc.com	36	8	Grove GMK 6300L	350	<b>4,616</b>
connellycrane.com	54	9	Liebherr LTM 1300-1	360	<b>4,473</b>
jsupor.com	28	-	Liebherr LTM 1500	600	<b>4,473</b>
solley.com	40	2	Liebherr LTM 1400-7.1	500	<b>4,408</b>
craneserviceco.com	29	3	Liebherr LTM 1450-8.1	550	<b>4,254</b>
jpwcompanies.com	30	7	Terex AC500-2	600	<b>4,155</b>
wanzek.com	12	8	Demag CC3800	715	<b>4,155</b>
texascrane.com	20	-	Liebherr LTM 1250-6.1	276	<b>3,583</b>
landwehrconstruction.com	18	4	Demag AC 350/6	400	<b>3,235</b>
clarkrigging.com	44	3	Demag AC 350-6	400	<b>3,200</b>
aquickpickcrane.com	28	3	Liebherr 1350 6.1	400	<b>3,086</b>
omegamorgan.com	10	4	Grove GMK7550	550	<b>3,025</b>
mcraycrane.com	26	1	Grove GMK 6300L	350	<b>3,000</b>
ibdickinson.com	22	-	Liebherr LTM 1400-7.1	500	<b>2,918</b>
customservicecrane.com	33	-	Grove GMK 5275	275	<b>2,565</b>
jkcrane.com	16	2	Manitowoc GMK 7550	550	<b>2,455</b>
anglemyercrane.com	26	-	Grove GMK 6350	350	<b>2,340</b>
ameonline.com	25	-	Grove GMK 7550	550	<b>2,259</b>
taylorcrane.com	26	2	Liebherr LTM 1220-5.2	265	<b>2,154</b>
rosscocrane.com	11	-	Grove GMK 5250L	300	<b>1,950</b>
greinerindustries.com	13	-	Demag AC 500-8	600	<b>1,710</b>

&gt;46

INSPECT, CERTIFY, TEST, RENT, REPEAT

 (800) 878-7305 Rentals@RentLGH.com www.RentLGH.com/ACT

THE LIFTING EXPERTS

RANK 2020	RANK 2019	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
84	▲87	<b>Industrial Truck &amp; Crane</b>	USA	1	17	Regional	Soni Graff, President
85	▲89	<b>Benchley Contracting &amp; Rental Corp.</b>	USA	2	15	Regional	Brian Benchley, Vice President
86	▼79	<b>Mansfield Crane Service Corp.</b>	USA	2	25	Regional	Trapper Wyman, Owner
87	▲88	<b>CP Ward Crane Service</b>	USA	2	25	Regional	James Abbey, Crane & Rigging Manager
88	▲94	<b>JCrane Inc.</b>	USA	1	27	Regional	Jack Stull, President
89	▲92	<b>Iron Stag Crane Service</b>	USA	1	26	Regional	Ned Eisenhart, President
90	▼89	<b>PSC Crane &amp; Rigging</b>	USA	3	150	Regional	Randy Sever, Executive Vice President
91	▲93	<b>Modern Construction/ Modern Crane &amp; Rigging</b>	USA	1	12	Regional	Dwayne Scalf, President
92	▲95	<b>Waggoner Equipment Rental</b>	USA	2	37	Regional	Alana Yount, Owner
93	▲96	<b>Davco Ltd.</b>	Canada	2	100	Regional	David Faas, President
94	▲97	<b>Patriot Crane &amp; Rigging</b>	USA	2	150	Regional	Scott Shamburg and Carrie Olsen
95	▲98	<b>Runnion Equipment Company*</b>	USA	2	40	Worldwide	Michael F. Prochot, President
96	▲99	<b>Carl Belt Inc.</b>	USA	2	20	Regional	David J. Madden, COO/Executive Vice President
97	NEW	<b>Next Gen Crane &amp; Rigging</b>	USA	1	10	Regional	Brent Thompson, Finance Manager
98	NEW	<b>Desrochers Crane Service</b>	USA	1	7	Regional	Robert Desrochers, Director
99	NEW	<b>Custom Crane Solutions</b>	USA	1	7	Regional	Darrin M. Caldwell, Vice President
100	▼100	<b>Advanced Rigging &amp; Machinery Moving</b>	USA	1	30	Regional	Matthew Hinty, President

**EDITOR'S NOTE:** Every attempt was made to assure the information in the **ACT100** is correct and accurate. The editors of **ACT** and employees of KHL Group Americas do not assume responsibility for errors, omissions or erroneous information.

cranes while this year there are 3,280 crawlers tallied. In 2019 our **ACT100** reported 3,113 crawler cranes. With a net gain of 177 crawlers, the growth is due to the newcomers on the list, namely Sarens North America, Lift Source Machinery and Superior Cranes. Last year this category was down by 111 units. Crawler sales remain flat.

This year there were 16,273 mobile cranes, some 74 units less than the 16,347 mobile cranes on the **ACT100** in 2019. There were 15,944 mobile cranes in 2018 and 15,579 units in 2017. This is the first time we have seen the mobile crane category retract.

For the 15th time, Maxim Crane Works is Number 1 on the **ACT100** with an **ACT** index of 704,400 tons up from 698,535 tons capacity last year. Maxim posted 693,464 tons total capacity in 2018. Maxim is still in an acquisition mode, for both new cranes and companies. In 2020, Maxim reports a total crane fleet of 3,265 units, more than double the fleet size of Bigge Crane & Rigging and more than a 1,000 more units than the ALL Family of Companies. Last year Maxim reported a total crane fleet of 3,229, which included 2,715 mobile cranes and 505 crawlers. In

2018, the company reported 3,145 cranes – 2,650 mobile units and 495 crawlers.

Last year, Bigge Crane & Rigging jumped to the Number 2 spot, eclipsing ALL Erection, which had been in that spot for many years. Bigge remained Number 2 with an **ACT** index of 193,198. Last year Bigge's **ACT** Index was 180,858.

Number 3 ALL Family of Companies reported a total capacity of 165,486 tons, down from 173,733 in 2019. The company still has the second largest fleet of cranes in North America.

The top five rounded out with Marmon

at Number 4 and Lampson International at Number 5.

Mergers and acquisitions continue to impact the **ACT100**, and we saw more companies swept up this year. Marmon, Barnhart, Maxim and Bigge appear to have led the acquisition and merger activity over the past year.

Biggest gainers this year are Fagioli, NCSG Crane and Heavy Haul, Boss Crane & Rigging, Reliable Crane Service, Texas Crane, Omega Morgan, JK Crane, Anglemeyer Crane and Atlas Crane Service.

## Top 10 largest mobile fleets

RANK 2020	COMPANY NAME	HQ	MOBILE FLEET	ACT INDEX
1	<b>Maxim Crane Works</b>	USA	<b>2,750</b>	704,400
2	<b>ALL Family of Companies</b>	USA	<b>1,807</b>	165,486
3	<b>Marmon Crane Services</b>	USA	<b>1,102</b>	129,024
4	<b>Bigge Crane and Rigging Company</b>	USA	<b>966</b>	193,198
5	<b>TNT Crane &amp; Rigging</b>	USA	<b>633</b>	93,904
6	<b>Barnhart Crane &amp; Rigging</b>	USA	<b>530</b>	82,891
7	<b>Mammoet Americas</b>	USA/Canada	<b>528</b>	99,689
8	<b>CraneWorks Inc.</b>	USA	<b>511</b>	13,335
9	<b>Scott-Macon Equipment</b>	USA	<b>466</b>	29,095
10	<b>Guay Inc.</b>	Canada	<b>430</b>	38,447

Turning data into useful information.

# iCraneTrax.

Business and Equipment Management Tools, now with 3D Lift Plan integration!



WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
itccrane.com	19	-	Grove GMK 6300L	350	<b>1,699</b>
benchleycrane.com	16	-	Liebherr LTM 1350-6.1	400	<b>1,532</b>
mansfieldcrane.com	8	-	Grove GMK 6350L	350	<b>1,500</b>
cpwardcrane.com	16	-	Grove GMK 6350	350	<b>1,463</b>
jcrane.com	12	-	Grove GMK 5275	275	<b>1,373</b>
ironstagcrane.com	10	-	Grove GMK 6300L	350	<b>1,345</b>
pscind.com	8	-	Liebherr LTM1250	300	<b>1,320</b>
moderncraneinc.com	12	1	Grove GMK 5275	275	<b>1,230</b>
waggonerequipment.com	26	-		160	<b>1,142</b>
davcoltd.com	15	2	Link-Belt ATC3250	250	<b>1,010</b>
patriotserviceinc.com	15	3		275	<b>1,000</b>
runnioneequipment.com	54	-	National NBT40	40	<b>825</b>
thebeltgroup.com	11	-	Demag AC 1200	165	<b>712</b>
nexgencrane.com	8	-	Tadano ATF 200G-5	220	<b>600</b>
desrochersinc.com	5	-	Link-Belt HTC86100	100	<b>254</b>
crcranesolutions.com	5	-	Link-Belt HTC 8670	70	<b>202</b>
advanced-rigging.com	11	-	Grove 1012	18	<b>165</b>

The top 25 pretty much stayed the same with Fagioli breaking into the top the top quarter.

The largest crawler crane fleet in North America again belongs to Maxim Crane Works with 505, up 10 units from last year. Maxim also has the largest mobile crane fleet with 2,715 units followed by All Erection with 1,903

mobile crane units.

The largest crane on the **ACT100** is Mammoet's 5,000-ton capacity PTC 200 DS and Sarens USA's SGC-250, both with 5,000 tons capacity. Other heavy lift cranes on the **ACT100** are the 3,000-ton capacity Lampson LTL-3000 and Deep South Crane and Rigging VersaCrane TC36000/2.

## Our methodology

For this list we sent surveys to close to 500 companies in the U.S., Canada and Mexico. While the **ACT100** is much more comprehensive than it was when we started it 15 years ago, we realize there are probably 10 to 15 major crane-owning companies not represented on the **ACT100**. Some companies do not want to share information about their fleets, and we respect their decision.

You will see an asterisk by a handful of companies. For these entries, we did not necessarily get updated information and instead relied on an estimate formula based on data obtained last year and through other sources. All these companies on the list were contacted, some several times, and given the opportunity to supply fleet information and related data.

As stated previously, in the largest crane category, different capacities may be listed for the same machine. We rely on the information supplied to us in determining these capacities as rigging variables can change the capacity of the crane.

Because the vast majority of crane-owning companies are privately held, it can be difficult to obtain and verify

## Top 10 largest cranes

RANK 2020	COMPANY NAME	LARGEST CRANE	CAPACITY
=1	<b>Mammoet Americas</b>	Mammoet PTC 200	<b>5,000</b>
=1	<b>Sarens USA</b>	SGC-250	<b>5,000</b>
=2	<b>Lampson International</b>	Lampson Transi-Lift LTL-3000	<b>3,000</b>
=2	<b>Deep South Crane &amp; Rigging</b>	VersaCrane TC 36000/2	<b>3,000</b>
3	<b>Maxim Crane Works</b>	Manitowoc 31000	<b>2,535</b>
4	<b>Fagioli Inc. (USA)</b>	Liebherr LR 11350 P1800	<b>2,000</b>
5	<b>Buckner HeavyLift Cranes</b>	Liebherr LR 11350-P	<b>1,754</b>
=6	<b>Guay Inc.</b>	Liebherr LTM 11200-9.1	<b>1,500</b>
=6	<b>Berry Contracting</b>	Liebherr LTM 11200-9.1	<b>1,500</b>
=7	<b>Barnhart Crane &amp; Rigging</b>	Demag CC8800	<b>1,375</b>
=7	<b>Superior Cranes Inc.</b>	Demag CC6800-1	<b>1,375</b>
=8	<b>NCSG Crane and Heavy Haul</b>	Liebherr LTM 11200-9.1	<b>1,350</b>
=9	<b>Northwest Crane Service</b>	Liebherr LR 11000	<b>1,200</b>
=10	<b>Bigge Crane and Rigging Company</b>	Liebherr LR 11000	<b>1,100</b>
=10	<b>Mountain Crane Service</b>	Liebherr LR 11000	<b>1,100</b>

Featuring Web Tools with Sketch Pad, and 3D Lift Vision simulation

**3D Lift Plan.**  
Landing the job. Delivering it safely.

**a1s Software**  
Your Data, Your Way  
www.a1software.net 904-430-0355

## Top 20 largest fleet size

RANK 2020	ACT 100	COMPANY NAME	HQ	MOBILE FLEET	ACT INDEX
1	1	<b>Maxim Crane Works</b>	USA	<b>3,265</b>	704,400
2	3	<b>ALL Family of Companies</b>	USA	<b>2,144</b>	165,486
3	2	<b>Bigge Crane and Rigging Company</b>	USA	<b>1,234</b>	193,198
4	4	<b>Marmon Crane Services</b>	USA	<b>1,205</b>	129,024
5	7	<b>TNT Crane &amp; Rigging</b>	USA	<b>686</b>	93,904
6	6	<b>Mammoet Americas</b>	USA/Canada	<b>664</b>	99,689
7	9	<b>Barnhart Crane &amp; Rigging</b>	USA	<b>579</b>	82,891
8	37	<b>CraneWorks Inc.</b>	USA	<b>520</b>	13,335
9	20	<b>Scott-Macon Equipment</b>	USA	<b>513</b>	29,095
10	5	<b>Lampson International</b>	USA	<b>454</b>	125,089
11	17	<b>Guay Inc.</b>	Canada	<b>452</b>	38,447
12	12	<b>Bragg Crane Service</b>	USA	<b>379</b>	45,524
13	16	<b>W.O. Grubb Crane Rental</b>	USA	<b>348</b>	39,547
14	15	<b>ML Holdings Company Crane Group</b>	USA	<b>314</b>	40,010
15	11	<b>Deep South Crane &amp; Rigging</b>	USA	<b>267</b>	57,525
16	41	<b>Custom Truck One Source</b>	USA	<b>257</b>	12,000
17	10	<b>Beyel Brothers Inc.</b>	USA	<b>247</b>	65,239
18	14	<b>NCSG Crane and Heavy Haul</b>	Canada	<b>247</b>	40,095
19	23	<b>Marco Crane &amp; Rigging</b>	USA	<b>229</b>	24,318
20	27	<b>H&amp;E Equipment Services</b>	USA	<b>228</b>	17,200

figures. We use independent industry sources and web-based resources when we use an estimate. The survey forms for the ACT 100 are kept confidential.

### Disclaimer

ACT relies on the integrity of the companies that participate, fully assuming the information they provide is accurate

## ACT Top Lists

American Cranes & Transport presents four top lists each year. In our June issue is the largest list, the **ACT100** list of North America's largest crane-owning companies. In the August issue is the **ACTTOWERCRANE50**; in the December issue is the **ACTTRANSPORT50** and in the March issue is the **ACTSPECIALIZED LIFTING50**. If you would like to participate in any or all these lists please email D. Ann Shiffler, editor, at [d.annshiffler@khl.com](mailto:d.annshiffler@khl.com).

and truthful. We work to ensure the accuracy of the information provided but take no responsibility for errors or omissions. We strive to make the **ACT100** the most comprehensive list of crane-owning companies in North America. Companies are ranked by their **ACT100** Index, which is calculated by adding together the maximum lifting capacities in U.S. tons of all crawler cranes and mobile cranes in a company's fleet. ■



## NO LIMITS. NO COMPROMISE.

### Specialty Consultants Supporting the Crane & Rigging Industry

- Ground Condition Surveys & Stabilization Engineering
- Lift Planning, Rigging & Shoring Engineering
- 3D Laser Scanning & UAV ("Drone") Data Collection
- Haul Route Surveys
- 24/7/365 Response
- National Service Provider



**Dearborn**<sup>®</sup>  
Companies

**708.430.7600**  
[www.DearbornCos.com](http://www.DearbornCos.com)







# Built STRONGER & Lasts LONGER than any other outrigger pad built.

*The only major manufacturer of both wood & custom composite.*

## AT BIGFOOT, WE BELIEVE THAT:

- Making products in the USA still matters.
- Hiring veterans brings some of the best workers any company can have.
- Sourcing manufacturing materials from other American companies is the right thing to do.
- Hard work and innovation must be constant for success.
- Making a great product matters more than cutting corners to increase profit margins.
- Humans should answer the phone to help customers.
- Making reliable, dependable products that last a lifetime should be the goal of every business.
- If you're not providing amazing customer service, you're doing it wrong.

## AND BECAUSE WE BELIEVE IN THESE THINGS, IT IS WHO WE ARE & WHAT WE DO.



STEEL CRANE MATS  
MADE IN THE USA  
WITH HIGH GRADE USA STEEL

COMPOSITE OUTRIGGER PADS

WE MAKE ANY SIZE PAD YOU NEED

WE MAKE CUSTOM SOLUTIONS

WOOD OUTRIGGER PADS



# Bigfoot

CONSTRUCTION EQUIPMENT, INC.

OUTRIGGER PADS

STRENGTH | STABILITY | SAFETY

PHONE: [888] 743-7320 | INTERNATIONAL: [815] 527-7127  
EMAIL: [BIGFOOT@OUTRIGGERPADS.COM](mailto:BIGFOOT@OUTRIGGERPADS.COM) | WEB: [WWW.OUTRIGGERPADS.COM](http://WWW.OUTRIGGERPADS.COM)

# Goldhofer

MADE FOR YOUR MISSION



## DUAL LINE TRAILER THP/DC TAILORED TO MEET AMERICAN REQUIREMENTS

### THE VEHICLE AT A GLANCE

- » Reduced transport time  
widening under load while rolling
- » Safety first and foremost operation  
(widening, levelling, steering)  
via wireless remote control
- » Low maintenance and long  
service life new ideas combined  
with proven ball bearing race  
ring technology



OUR WIDE PRODUCT RANGE  
FOR NORTH AMERICA



[WWW.GOLDHOFER.COM](http://WWW.GOLDHOFER.COM)

# The Covid factor

ACT's annual ranking of North America's largest specialized transportation services companies.



While 2019 saw our annual **ACTTRANSPORT50** list of North America's largest specialized transportation companies flatten out, this year shows a full retraction in fleet size, capacity and number of terminals. While number of employees rose slightly, every other category was down from 2019 and 2018.

In 2019, the **ACTTRANSPORT50** saw modest growth in total capacity from 1,245,246 U.S. tons in 2018 to 1,272,474 U.S. tons in 2019. The 2019 **ACTTRANSPORT50** saw declines in several categories including number of employees, number of terminals and number of modular/hydraulic platform trailers/dollies. But this year, the total capacity of the **ACTTRANSPORT50** is 1,219,119 tons, down almost 55,000 tons. Fleet size was 53,000 units, down 64 units from 2019.

We believe there are three reasons for the decline in our 2020 **ACTTRANSPORT50**. The first is that the Covid-19 pandemic had a profound impact on fleet size because the major players did not increase their fleets over the past year, for the most part. Secondly, there were a couple of mergers and

acquisitions, and thirdly, four or five companies that have not updated their survey forms in a couple of years went off the list.

As for our **ACTTRANSPORT50** ranking, Landstar Transportation Logistics kept its long-time Number 1 spot with a fleet size of 13,763, up from 13,449 in 2019. However, Landstar's growth is modest. In 2018, the company reported gains of more than 1,000 units while last year it reported a fleet size that was 244 units smaller than 2018. Landstar

again tops the list with a capacity of 99,236 tons, which is also down. In 2019 Landstar reported a capacity of 100,675 tons, surpassing the 86,890 tons reported in 2018.

The top four on our **ACTTRANSPORT50** stayed the same with Landstar, Daseke, ATS Specialized and Maxim Crane Works keeping their rank. Fifth this year is ALL Erection and Crane Rental, which jumped ahead of Bennett Motor Express. Also moving up in the top 10 were Transport Bellemare,

>52

## TOP 10 ACTTRANSPORT50 BY TOTAL CAPACITY OF FLEET

2020 RANK	COMPANY NAME	TOTAL CAPACITY US TONS
1	Landstar Transportation Logistics	99,236
2	Daseke Inc.	87,148
3	Mammoet North America	83,263
4	ALL Erection & Crane Rental	75,470
5	Barnhart Crane & Rigging	68,254
6	ATS Specialized	65,759
7	Bennett Motor Express	49,955
8	Maxim Crane Works	48,249
9	J. F. Lomma Inc.*	44,350
10	Emmert International	39,492

	2018	2019	2020
<b>TOTAL FLEET SIZE</b>	51,313	53,064	<b>53,000</b>
<b>TOTAL CAPACITY</b>	1,245,246 US Tons	1,272,474 US Tons	<b>1,219,119 US Tons</b>
<b>NUMBER OF TRUCK/TRACTORS</b>	21,961	22,603	<b>23,247</b>
<b>NUMBER OF EMPLOYEES</b>	29,195	28,545	<b>28,833</b>
<b>NUMBER OF TERMINALS</b>	2,294	2,132	<b>1,346</b>
<b>NUMBER OF MODULAR/HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET</b>	9,844	9,061	<b>8,380</b>
<b>CAPACITY OF MODULAR/HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET</b>	443,971 US Tons	450,249 US Tons	<b>425,451 US Tons</b>
<b>NUMBER OF SPECIALIZED TRAILERS IN FLEET (including all multi-axle units)</b>	20,877	22,657	<b>22,393</b>
<b>TOTAL CAPACITY OF SPECIALIZED TRAILERS IN FLEET (including all multi-axle units)</b>	806,523 US Tons	832,099 US Tons	<b>779,317 US Tons</b>

BY THE NUMBERS

2020 RANK	2019 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	1	<b>Landstar Transportation Logistics</b>	Jacksonville, FL	555	International	1,333	Rusty Cody, VP, heavy specialized
2	2	<b>Daseke Inc.</b>	Addison, TX	109	International	4,608	Chris Easter, CEO/COO
3	3	<b>ATS Specialized</b>	St. Cloud, MN	14	International	1,356	Gary Stang, senior VP, general manager
4	4	<b>Maxim Crane Works</b>	Bridgeville, PA	56	National	3,500	Bryan Carlisle, CEO
5	6	<b>ALL Erection &amp; Crane Rental</b>	Independence, OH	33	National	1,600	Michael L. Liptak, president
6	5	<b>Bennett Motor Express</b>	McDonough, GA	200	International	290	David Lowry, CEO
7	8	<b>Barnhart Crane &amp; Rigging</b>	Memphis, TN	55	National	1,675	Alan Barnhart, CEO
8	7	<b>Combined Transport Inc.</b>	Central Point, OR	1	International	632	Michael S. Card, president
9	11	<b>Deep South Crane &amp; Rigging</b>	Baton Rouge, LA	7	International	700	Mitch Landry, president
10	12	<b>Transport Bellemare International</b>	Tross-Rivieres, Quebec City, Canada	7	International	710	Jean-Luc Bellemare, president
11	13	<b>Daily Express</b>	Carlisle, PA	8	International	183	Mark Eyer, VP, operations
12	14	<b>Mammoet North America</b>	Rosharon, TX	21	International	1,500	Martijn Kuipers, managing director
13	15	<b>Emmert International</b>	Clackamas, OR	4	International	91	Terry W. Emmert, president
14	16	<b>Bay Ltd.</b>	Corpus Christi, TX	8	International	3,500	Berry Peterson, VP
15	17	<b>ML Crane Group</b>	Albuquerque, NM	13	National	648	Scott Wilson, president
16	9	<b>Bigge Crane &amp; Rigging</b>	San Leandro, CA	21	National	1,050	Weston Settlemier, president/CEO
17	19	<b>Fagioli USA</b>	Manvel, TX	4	International	122	Edoardo Ascione, president
18	20	<b>Tradelossa</b>	Durango, DGO, Mexico	7	International	279	Armando Lee, commercial manager
=19	22	<b>Edwards Moving &amp; Rigging</b>	Shelbyville, KY	6	International	125	Jason Edwards, CEO
=19	21	<b>Heavy Transport/Bragg Companies</b>	Long Beach, CA	9	National	200	Robert Weyers, general manager
20	18	<b>Sterett Heavy Hauling</b>	Owensboro, KY	8	National	40	Ben Walker
21	26	<b>DD&amp;S Express</b>	Annapolis, MD	50	National	15	Rick Seleski, VP
22	27	<b>Supor Heavy Haul</b>	Kearny, NJ	5	International	203	Doug Filos, director, heavy haul
23	25=	<b>Lampson International</b>	Kennewick, WA	8	International	300	William Lampson, president/CEO
24	23	<b>Miller Transfer</b>	Rootstown, OH	18	International	85	Mitchell J. Unger, president
25	24	<b>Northwest Logistics</b>	Oklahoma City, OK	9	International	196	Andy Hodges, president
26	NEW	<b>NessCampbell Crane + Rigging</b>	Portland, OR	6	Regional	300	Mike McDonald, VP
=27	37	<b>Mountain Crane Service</b>	Salt Lake City, UT	1	National	63	Paul Belcher, CEO
=27	28	<b>TJ Potter Trucking*</b>	Becker, MN	1	Regional	90	Barb and Todd Potter, owners
=28	30	<b>Totran Transportation Services</b>	Calgary, Alberta Canada	2	International	120	Scott Trousedale, VP
=28	29	<b>Contractors Cargo Company*</b>	Compton, CA	2		40	Gerald Wheeler, president and owner
29	33	<b>Beyel Brothers</b>	Cocoa, FL	8	Regional	393	Joseph Beyel, president



Crane and Rigging  
Insurance and Risk Management

**EXPERTS**

WEBSITE	MODULAR/ HYDRAULIC TRAILERS /DOLLIES		SPECIALIZED TRAILERS (ALL MULTI-AXLE)		# OF TRUCK/ TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
	CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
www.landstar.com	2,715	42	96,521	2,989	10,732	99,236	<b>13,763</b>
www.daseke.com	7,052	178	80,096	3,787	4,543	87,148	<b>8,508</b>
www.atsinc.com	1,885	22	63,874	1,983	955	65,759	<b>2,960</b>
www.maximcrane.com	7,640	312	40,609	1,836	600	48,249	<b>2,748</b>
www.allcrane.com	1,050	15	74,420	2,116	430	75,470	<b>2,561</b>
www.bennettig.com	3,450	137	46,505	1,062	1,192	49,955	<b>2,254</b>
www.barnhartcrane.com	26,461	134	41,793	774	376	68,254	<b>1,272</b>
www.combinedtransport.com	1,285	401	4,720	261	585	6,905	<b>1,247</b>
www.deepsouthcrane.com	15,508	372	19,740	496	70	35,248	<b>938</b>
www.groupbellemare.com	7,048	283	20,016	384	250	27,064	<b>917</b>
www.dailyexp.com	1,065	14	22,465	536	318	23,530	<b>868</b>
www.mammoet.com	72,987	479	10,276	320	42	83,263	<b>841</b>
www.emmertintl.com	29,342	575	10,150	120	91	39,492	<b>786</b>
www.bayltd.com	19,160	438	2,750	145	160	21,910	<b>743</b>
www.mlcranegroup.com	2,070	46	5,030	289	397	7,100	<b>686</b>
www.bigge.com	10,740	227	16	343	110	26,723	<b>680</b>
www.fagioli.com	25,058	652	0	0	0	25,058	<b>652</b>
www.tradelossa.com	11,530	258	8,716	182	153	20,246	<b>593</b>
www.edwardsmoving.com	18,228	329	9,664	179	60	27,892	<b>568</b>
www.braggcrane.com	16,610	213	7,700	246	109	24,310	<b>568</b>
www.sterettheavyhauling.com	10,943	264	7,545	218	75	18,488	<b>557</b>
www.ddsexpress.com	1,134	47	9,820	243	184	10,954	<b>474</b>
www.jsupor.com	11,194	248	7,908	149	73	19,102	<b>470</b>
www.lampsoncrane.com	14,006	372	2,032	64	30	16,038	<b>466</b>
www.millertransfer.com	0	0	13,900	323	120	13,900	<b>443</b>
www.northwestheavyhaul.com	2,527	66	9,525	160	198	11,052	<b>424</b>
www.nesscampbell.com	736	26	9,185	309	66	9,921	<b>401</b>
www.mountaincrane.com	7,526	112	4,922	200	57	7,531	<b>369</b>
www.tjpottertrucking.com	160	3	4,915	301	65	5,075	<b>369</b>
www.totran.ca	12,346	590	9,660	222	85	22,006	<b>367</b>
www.contractorscargo.com	3,130	98	7,960	215	43	11,090	<b>367</b>
www.beyel.com	5,735	164	6,185	126	73	11,920	<b>363</b>

EDITORS NOTE: Every attempt has been made to assure information in the ACTTRANSPORT50 is correct and accurate. The editors of ACT do not assume responsibility for errors, omissions or erroneous information.



2020 RANK	2019 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
30	31	<b>Berard Transportation</b>	New Iberia, LA	5	National	75	Brett Berard, VP, operations
31	34=	<b>Southwest Industrial Rigging</b>	Phoenix, AZ	5	International	195	Harry Baker, president
32	10	<b>NCSG Crane &amp; Heavy Haul</b>	Acheson, Alberta, Canada	9	National	400	Heather MacCallum, president
33	35=	<b>Vic's Crane &amp; Heavy Haul</b>	Rosemount, MN	5	National	250	Josh Horsch, VP
34	34=	<b>MSA Delivery Services</b>	Canton, MI	3	International	65	Jerry Rozum, president
=35	35=	<b>J. F. Lomma Inc.*</b>	South Kearny, NJ		National	163	
=35	36	<b>Trans-United</b>	Burns Harbor, IN	12	International	57	Jeffrey S. Fleming, president/CEO
36	NEW	<b>ProLift Rigging</b>	Germantown, TN	7	National	167	Matthew Brennan, CEO
37	38	<b>Triton Transport</b>	Chilliwack, BC, Canada	3	International	78	Jared Bragg, VP/general manager
38	39	<b>Omega Morgan</b>	Hillsboro, OR	4	International	350	Erik Zander, director of sales
=39	40	<b>Midwest Specialized Transportation*</b>	Rochester, MN	2	International	76	Jeff Resch, VP/general manager
=39	NEW	<b>Boss Crane &amp; Rigging</b>	Longview, TX	3	National	150	David Cowley, President
=40	41=	<b>Intermountain Rigging</b>	Salt Lake City, UT	2	National	90	Ron Montgomery, president
=40	41=	<b>Silk Road Transport*</b>	Arkport, NY	1	International	45	Todd S. Haraty, COO
41	42	<b>Sarens USA</b>	Houston, TX	5	International	200	Steven Sarens, senior VP
42	43	<b>Precision Heavy Haul</b>	Tolleson, AZ	2	National	22	Mike Poppe, president
43	41=	<b>Yarbrough Transfer Company</b>	Winston-Salem, NC	3	Regional	70	David Yarbrough, president
=44	44	<b>Taylor Crane &amp; Rigging</b>	Coffeyville, KS	2	National	101	Jim C. Taylor, president
=44	46	<b>Global Specialized Services</b>	Casper, WY	2	National	70	Jim Orr, president
45	45	<b>Marco Transport</b>	Santa Ana, CA	2	Regional	40	Tim McVay, president
46	NEW	<b>Buckingham Heavy Transport</b>	Bermville, PA	2	Regional	40	Jamin Buckingham, president
=47	47	<b>Great Lakes Heavy Haul</b>	Wayland, MI	1	National	33	Ben Mayer, COO
=47	48	<b>Specialized Inc.</b>	Aurora, OH	1	Regional	18	Al Kuhl, president
48	50	<b>Advanced Freight Dynamics</b>	Conroe, TX	1	National	14	Steven Lyons
49	49	<b>Irving Equipment</b>	Saint John, NB, Canada	6	International	100	David Irving, general manager
50	NEW	<b>Perkins STC</b>	Becker, MN	2	International	17	Barb Potter, owner

\* ACT estimate

Deep South Crane & Rigging, Combined Transport and Barnhart Crane and Rigging.

The most notable change on the list was Bigge Crane & Rigging, dropping from 9 to 16. This was because the company sold a lot of its transportation fleet in a strategic move to concentrate its business in the lifting sector.

Five companies are new to the **ACTTRANSPORT50**, including NessCampbell Crane + Rigging, Pro-Lift Rigging, Boss Crane & Rigging, Buckingham Heavy Transport and Perkins STC.

The **ACTTRANSPORT50** employed 28,833 workers in 2020, which is actually up from 2019's 28,545 workers. Still,

employee counts are down from a high of 29,195 in 2018.

The most substantial category to fall in 2020 is number of terminals, which went down from 2,132 in 2019 to 1,346. That is 800 fewer operations than a year ago.

Because of ties in fleet sizes, 58 companies made the **ACTTRANSPORT50** in 2020.



**DEDICATED TO THE DESIGN AND FABRICATION OF**  
**> BOOM DOLLIES > BOOM LAUNCH TRAILERS**  
**> HEAVY HAUL TRAILERS > SPECIALIZED TRAILERS**

WEBSITE	MODULAR/ HYDRAULIC TRAILERS /DOLLIES		SPECIALIZED TRAILERS (ALL MULTI-AXLE)		# OF TRUCK/TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
	CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
www.berardtrans.com	11,432	238	2,236	49	39	13,668	326
www.swirusa1.com	3,275	86	6,372	156	92	9,647	267
www.ncsg.com	17,828	374	2,200	38	84	23,428	262
www.vicscrane.com	3,114	79	3,085	102	49	6,199	230
www.msadelivery.com	0	0	5,170	187	39	5,170	226
www.jflomma.com	0	0	44,350	170	43	44,350	212
www.transunited.com	2,060	42	4,140	102	68	6,200	212
www.proliftrigging.com	730	7	2,840	69	109	3,570	185
www.tritontransport.com	180	2	5,665	140	42	5,845	184
www.omegamorgan.com	2,200	50	3,915	75	55	6,115	180
www.midspec.com	60	2	3,690	82	50	3,750	144
www.bosscrane.com	90	9	1,350	20	0	1,440	144
www.intermountainrigging.com	1,425	37	4,100	58	46	5,525	141
www.silkroadtrans.com	1,150	30	2,040	80	31	3,190	141
www.sarens.com	21,110	108	1,654	18	10	22,764	136
www.precisionheavyhaul.com	580	20	5,600	100	15	6,180	135
www.yarbroughtransfer.com	0	0	3,581	87	47	3,581	134
www.taylorcrane.com	2,045	13	2,220	44	31	4,265	88
www.gsswy.com	1,000	8	2,525	46	34	3,525	88
www.marcotrucking.com	0	0	3,377	45	32	3,377	77
www.buckinghamtransport.com	3,830	91	3,035	29	15	6,865	51
www.greatlakeshh.com	0	0	210	24	25	210	51
www.specialized-inc.com	0	0	2,120	36	11	2,120	47
www.afd-web.com	345	4	1,065	22	10	1,410	40
www.irvingequipment.com	2,676	62	638	16	13	3,314	39
www.perkinsstc.com	0	0	3,522	20	17	3,522	37

EDITORS NOTE: Every attempt has been made to assure information in the ACTTRANSPORT50 is correct and accurate. The editors of ACT do not assume responsibility for errors, omissions or erroneous information.

## Methodology

While most of the major players in the specialized transportation sector are on the ACTTRANSPORT50, changes on the list are based on participation. The ACTTRANSPORT50 is ranked by fleet size and then by total maximum transport capacity of all relevant trailers and transport systems in a company's fleet.

The ranking is based on information supplied on our ACTTRANSPORT50 survey form. While we have worked to produce the most comprehensive ranking possible, we cannot guarantee the accuracy of the information supplied. We rely on the integrity and honesty of those who submit this information to assure data is accurate and correct. We reached

out to more than 500 firms by email, telephone, social media and E-casts. When data wasn't available or updated, we marked these listings as estimates. As with all our top lists, we made every effort to ensure the accuracy and completeness of the information published. Editors and staff take no responsibility for errors, omissions or incomplete information. ■





**PROVIDING SUPERIOR SERVICE**

*Thank you*

**CUSTOMERS & EMPLOYEES**

**CELEBRATING**



**BRAGG**

**SAFETY • INTEGRITY • QUALITY • SUPERIOR SERVICE**

**PREMIERE TURNKEY SERVICE PROVIDER**

Contact Us at (800) 4CRANE1 | [BRAGGCOMPANIES.COM](http://BRAGGCOMPANIES.COM)



# SPECIALIZED LIFTING 50

After a year of acquisitions and expansions, the annual **ACT SPECIALIZED LIFTING 50** shows rises and declines across the board. **Hannah Sundermeyer** reports.



BY THE NUMBERS

- The companies represented in the **SPECIALIZED LIFTING 50** employ **14,584** people.
- **542** gantries and rubber tired gantries are owned by these companies, compared to 582 in 2019.
- **900** strand jack units are owned by the **SPECIALIZED LIFTING 50**, as compared to 977 in 2019.
- **5,053** pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these companies as compared to 5,278 in 2019.
- The total capacity of every unit owned by every company on the list equals **1,391,662** tons. The total last year was 1,460,697 tons.

## Change up

**R**igging and lifting jobs are becoming more complex and require solutions that involve all types of specialized lifting equipment. From power plants to oil and gas, jobs continue to grow alongside the demand for equipment. Over the course of the last year, the **ACT SPECIALIZED LIFTING 50** list has seen a both increases and decreases across categories. Employment has increased by 702 people, while gantries, rubber-tired gantries and strand jack fleets have decreased slightly. While

there is no lack of specialized lifting projects, this could be an indicator of more streamlined fleets and stronger usage of the rental market versus actual equipment ownership.

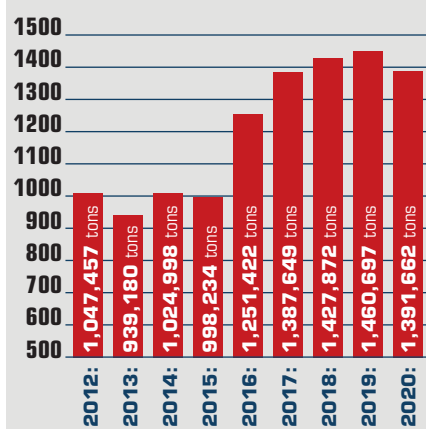
The **SPECIALIZED LIFTING 50** posted an index of 1,391,662, decreasing 69,035 tons over the 2019 index. This decrease is attributed to the absence of two big industry players this year. Bigge Crane and Rigging transitioned from service providers to suppliers of heavy lift equipment through bare rentals and sales. The general contracting world

>58

### Top 10: LARGEST CAPACITY UNIT

RANK	NAME OF COMPANY	MAKE/MODEL OF LARGEST SPECIALIZED LIFTING UNIT	CAPACITY OF LARGEST LIFTING UNIT (U.S. TONS)	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	Mammoet North America	Mammoet Lift System	350,000	372,800
2	Fagioli USA	Fagioli Self-Propelled Skid System	70,000	288,000
3	Deep South	Deep South Specialized Jack System	16,000	50,900
4	Buckingham Heavy Transport	Synchronized Lifting System	12,000	22,905
5	Omega Morgan	Heavy Slide System	6,000	8,150
6	Barnhart Crane & Rigging	Barnhart Modular Lift Tower	5,000	301,181
7	Berard Transportation	Enerpac Syncrolift	4,000	12,600
8	Emmert International	Emmert Lift System	3,250	80,850
9	Transport Bellemare*	Enerpac Syncrolift	2,872	12,000
10	Lampson International*	E-Z Lift	2,400	13,500

### TOTAL CAPACITIES BETWEEN 2012 AND 2020



# SPECIALIZED LIFTING 50 2020

RANK 2020	RANK 2019	NAME OF COMPANY	LOCATION	# OF DEPOTS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	○1	<b>Mammoet Americas</b>	USA	25	Worldwide	1,300	Anthony Garcia, vice president of operations
2	○3	<b>Barnhart Crane &amp; Rigging</b>	USA	51	National	1,550	Alan Barnhart, CEO
3	○2	<b>Fagioli, Inc.</b>	USA	2	Worldwide	142	Edoardo Ascione, president
4	○5	<b>Emmert International</b>	USA	3	Worldwide	110	Terry W. Emmert, president
5	○6	<b>Edwards Moving &amp; Rigging</b>	USA	9	Worldwide	140	Mark Edwards, CEO
6	○7	<b>Deep South Crane &amp; Rigging</b>	USA	8	Worldwide	750	Mitch Landry, president
7	○9	<b>Doral Equipment Rental</b>	USA	3	National	25	Rob Keelan, vice president
8	○10	<b>Buckingham Heavy Transport</b> [A division of Wolfe House Movers]	USA	2	National	45	Jamin Buckingham, president
9	○11	<b>Lampson International*</b>	USA	8	Worldwide	300	Kate Lampson, director, PR and marketing
10	○12	<b>Rigging Gear Sales, Inc.</b>	USA	1	National	15	Ben Forster, vice president
11	○13	<b>Taylor Crane &amp; Rigging</b>	USA	2	National	86	Jim C. Taylor, Jr., president
12	○14	<b>Erickson's*</b>	USA	3	Regional	70	Steve Erickson, president
13	○15	<b>Berard Transportation</b>	USA	5	National	75	Brett Berard, vice president, operations
14	○16	<b>Transport Bellemare*</b>	Canada	4	Worldwide	1,100	Daniel Provost, transport operations manager
15	○17	<b>Global Rigging &amp; Transport</b>	USA	1	Worldwide	30	Dan Close
16	○18	<b>International Industrial Contracting Corporation*</b>	USA	4	National	300	Ken Goddard, vice president
17	○19	<b>Omega Morgan</b>	USA	4	Worldwide	350	Erik Zander, director of sales
18	○30	<b>Riggers Group</b>	Mexico	3	Worldwide	85	Hector R. Tores, Da Vila, vice president
19	○20	<b>IRM Industry Movers</b>	Mexico	2	Worldwide	130	David Gonzalez, president/CEO
20	○21	<b>TNT Crane &amp; Rigging*</b>	USA	42	National	1,700	Mike Appling, CEO
21	○22	<b>Norris Brothers Co.*</b>	USA	1	Regional	65	Bernard E. Weir Jr., chairman
22	○23	<b>PSC Crane &amp; Rigging*</b>	USA	4	National	175	Randy Sever, executive vice president
23	○24	<b>Maxim Crane Works</b>	USA	61	National	3,615	Frank Bardono, COO
24	○26	<b>Advanced Rigging &amp; Machinery Movers</b>	USA	1	Regional	30	Matthew Hinty, president
25	○25	<b>Transtell SA de CV*</b>	Mexico	1	Worldwide	120	Guillermo Arce, general manager
26	○27	<b>Duffy Crane &amp; Hauling*</b>	USA	1	Regional	50	Jeffrey L. Cummings, president
27	○28	<b>Engineered Rigging</b>	USA	3	Worldwide	15	Christopher Cox, president
28	○29	<b>Atlas Industrial Contractors*</b>	USA	7	Worldwide	350	
29	○31	<b>Mid-Atlantic Lift Systems</b>	USA	1	Worldwide	3	Travis Hall, president
30	○32	<b>Williams Steel Erection Company*</b>	USA	1	Regional	100	Marianne Pastor, vice president
31	○33	<b>Process Group Inc.</b>	Canada	3	National	275	Bryan Snyder, vice president, construction
32	○34	<b>CSE Inc.*</b>	USA	5	National	250	Lisa Moon Stinnette, CEO
33	○36	<b>Holland Moving &amp; Rigging*</b>	USA	1	Worldwide	20	Chris Holland, president
34	○35	<b>Intermountain Rigging &amp; Heavy Haul</b>	USA	2	National	95	Ron Montgomery, president,
35	○37	<b>Mountain Crane Service</b>	USA	4	National	122	Paul Belcher, CEO
36	○38	<b>Southwest Industrial Rigging*</b>	USA	4	National	170	Harry Baker, president
37	○39	<b>Cropac Equipment*</b>	Canada	4	National	75	Johnathan Vieira, marketing manager
38	○41	<b>Crane Service Inc.*</b>	USA	14	National	587	Scott Wilson, president, MLHCCG
39	○40	<b>AME Inc.*</b>	USA	4	Worldwide	158	Mike Davis, vice president
40	○42	<b>HMS Lift Inc.*</b>	Canada	1	Worldwide	6	Eric Lavigne, manager

\* estimated

Specialized Transportation Insurance and Risk Management **EXPERTS**

WEBSITE	# OF RUBBER TIRED GANTRIES	# OF SPECIALIZED LIFTING UNITS	# OF OTHER SPECIALIZED LIFTING UNITS	# OF STRAND JACK UNITS	MAKE/MODEL OF LARGEST SPECIALIZED LIFTING UNIT	CAPACITY OF LARGEST SPECIALIZED LIFTING UNIT (U.S. TONS)	SPECIALIZED LIFTING INDEX (U.S. TONS)
www.mammoet.com	0	20	305	157	Mammoet Lift System	350,000	<b>372,800</b>
www.barnhartcrane.com	0	91	788	37	Barnhart Modular Lift Tower	6,000	<b>301,181</b>
www.fagioli.com	0	20	146	596	Fagioli Self-Propelled Skid System	70,000	<b>288,000</b>
www.emmertintl.com	1	4	1,055	4	Emmert Lift System	3,250	<b>82,350</b>
www.edwardsmoving.com	0	16	560	4	Hydropex Strand Jack System	800	<b>60,957</b>
www.deepsouthcrane.com	1	8	107	13	Deep South Specialized Jack System	16,000	<b>50,900</b>
www.doralequipmentrental.com	0	4	59	0	Riggers 604	600	<b>22,585</b>
www.buckinghamtransport.com	0	0	89	0	Buckingham Synchronized Lifting System	12,000	<b>22,500</b>
www.lampsoncrane.com	0	4	8	0	E-Z Lift	2,400	<b>13,500</b>
www.rgsinc.net	0	102	189	0	Lift Systems HH1000	1,000	<b>13,158</b>
www.taylorcrane.com	0	9	210	0	Enerpac EVO Sync Lift System	2,400	<b>12,998</b>
www.Ericksonsg.com	0	5	80	0	Enerpac SBL 1100	1,176	<b>12,676</b>
www.berardtrans.com	0	0	8	0	Enerpac Syncrolift	4,000	<b>12,600</b>
www.groupebellemare.com	0	1	5	0	Goldhofer	2,872	<b>12,000</b>
www.globalrigging.com	0	0	15	16	CTTS	2,000	<b>10,000</b>
www.iicusa.com	0	36	525	0	Riggers Manufacturing EZ604	600	<b>9,660</b>
www.omegamorgan.com	0	6	18	0	Heavy Slide System	6,000	<b>8,150</b>
www.riggers.mx	0	4	47	49	J&R Engineering Lift N Lock Gantry L1200	600	<b>7,860</b>
www.irmindustrial.com	0	3	103	0	J&R Engineering Lift N Lock Gantry	500	<b>7,530</b>
www.tntcrane.com	0	6	75	0	Enerpac SBL 1100	1,100	<b>7,200</b>
www.norrisbr.com	0	3	13	0		125	<b>6,695</b>
www.pscind.com	0	3	103	1	Hydra-Slide JS250 Up N Go	1,000	<b>6,210</b>
www.maximcrane.com	0	12	124	4	Lift Systems, Model 48A	800	<b>5,850</b>
www.advanced-rigging.com	1	11	138	0	Hydratech FS404 270	400	<b>5,410</b>
www.transtell.com.mx	0	2	3	2	Hydropex HSL2000 Lifting	2,040	<b>5,340</b>
www.duffycrane.com	0	1	20	0			<b>5,000</b>
www.engineeredrigging.com	0	2	8	12	Enerpac SBL 1100	1,200	<b>5,000</b>
www.atlascos.com	0	3	89	4	Atlas Tower Lifting System	800	<b>4,400</b>
www.midatlanticlift.com	0	40	36	0	Lift Systems 34PT5400WT	500	<b>3,740</b>
www.wmsi.com	21	24	6	0		300	<b>2,200</b>
www.processgroup.ca	0	6	6	0	Lifting Tower	1,000	<b>2,130</b>
www.cseonline.net	0	1	6	0	J&R Engineering Lift & Lock Gantry	900	<b>2,000</b>
www.hmrssupplies.com	50	0	20	0	Holland Power Dolly	55	<b>1,990</b>
www.irhusa.com	0	4	4	1	J&R 900 Series	450	<b>1,500</b>
www.mountaincrane.com	0	2	8	0	J&R Engineering Lift-N-Lock Gantry	700	<b>1,400</b>
www.swirusa.com	0	4	7	0	Lift Systems 850	850	<b>1,332</b>
www.cropac.com	5	5	45	0	Taylor X360M	50	<b>1,000</b>
	0	3	12	0	Enerpac SBL-500	500	<b>760</b>
www.ameonline.com	0	3	5	0	Lift Systems 75 Ton Twin-Lift	75	<b>755</b>
www.brutelift.com	0	0	8	0	BruteLift	200	<b>345</b>

Editor's Note: American Cranes & Transport is not responsible for errors or omissions.



is more competitive than ever, and as a result, these types of businesses are seeking to become more autonomous in their niche markets, the company said. Bigge has converted its business

into a rent, lease to purchase and sell model for this type of work. In addition, during the summer of 2019, Burkhalter Rigging was acquired by Barnhart Crane and Rigging. This knocked them off

the **SPECIALIZEDLIFTING50** list, but explains the growth of Barnhart as a result. With the transition of these companies, we saw changes in rankings, with some companies moving up.

ACT began distributing survey forms for the **SPECIALIZEDLIFTING50** list via email in January 2020 and followed up with phone calls and more emails in February. The companies that completed and returned these surveys over the course of the last two months were included in this year's list.

For some companies, we were forced to use their data from our 2019 list. In these cases, an asterisk will appear next to that company's name. As a result, the **SPECIALIZEDLIFTING50** is an estimate.

While every effort was made to ensure the accuracy and completeness of the information in this list, ACT, and its editors and its publishers do not assume responsibility for any errors or omissions. We strive to improve this list, as well as our other annual lists, every year.

**2021**

To be a part of our 2021 **SPECIALIZEDLIFTING50**, email Editor D. Ann Shiffler, to request a survey form. She can be reached at d.ann.shiffler@khl.com. Or you may email Assistant Editor Hannah Sundermeyer at hannah.sundermeyer@khl.com.



**Top 10: NUMBER OF GANTRIES**

RANK	NAME OF COMPANY	TOTAL NUMBER OF GANTRIES	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	<b>Rigging Gear Sales, Inc.</b>	102	13,158
2	<b>Barnhart Crane &amp; Rigging</b>	91	301,181
3	<b>Mid-Atlantic Lift Systems</b>	40	3,740
4	<b>International Industrial Contracting Corporation*</b>	36	9,660
5	<b>Williams Steel Erection Company*</b>	24	2,200
6	<b>Mammoet North America</b>	20	372,800
7	<b>Fagioli USA</b>	20	288,000
8	<b>Edwards Moving &amp; Rigging</b>	16	60,957
9	<b>Maxim Crane Works</b>	12	5,850
10	<b>Advanced Rigging &amp; Machinery Movers</b>	11	5,410

**REGISTER FOR THE FREE DIGITAL ISSUE**

**Delivered instantly anywhere in the world**

- **Video and Audio**
- **Searchable**
- **Archiveable**



For more details and to register for your own, **FREE**, digital copies go to: [www.khl.com/digitalsubs](http://www.khl.com/digitalsubs)



[www.khl.com](http://www.khl.com)

INFORMATION THAT BUILDS AND POWERS THE WORLD



# ENGINEERED RIGGING

Equipment • Engineering Solutions • Design & Build



**NEW!**  
CANTILEVER  
SEGMENTAL  
BRIDGE LIFT

## Heavy Lifting Rentals & Sales

[Info@EngineeredRigging.com](mailto:Info@EngineeredRigging.com) 844.474.4448



POWER SLIDE



STRAND JACK



SLING ADJUSTER



GANTRY SYSTEMS

**WOLFFKRAN**

You'll never  
work alone

WOLFF Tower Cranes stand for performance and efficiency on construction sites all around the world. Whatever your lifting needs are – we have the right cranes for your projects and we will support you from planning through delivery.

Join the WOLFF pack now: [wolffkran.com](http://wolffkran.com)

Der Leitwolf. *The leader of the pack.*



# Tower tenacity

The annual  
**ACTTOWERCRANE50**  
sees slight growth, as the  
market appears to remain  
steady in uncertain times.



PHOTO CREDIT: CONNELLY CRANE

BY NUMBERS  
**TOWER CRANES**  
2,191  
**BRANCHES**  
236  
**EMPLOYEES**  
9,014

In the utter whirlwind that has been 2020 thus far, the construction industry has faced many unexpected bumps in the road. Economic indicators once suggested a flourishing market for tower cranes as more commercial projects popped up across the U.S., Canada and

Mexico. No one could have foreseen the impact of the Covid-19 crisis hitting North America in early March. However, despite a global pandemic, growing economic concerns and an upcoming election, the tower crane market is maintaining slow but steady growth as the industry continues to abide and endure in these unprecedented times.

The **ACTTOWERCRANE50** top list reflects this perseverance and development across the industry and also features four first-time participant companies. Many businesses are continuing to see success despite the unstable environment, as fleet numbers climbed solidly.

## Net gain

The list has grown from 2,026 units in 2019 to 2,191 units in 2020, a net gain of 165 units.

With last year's fleets seeing an increase of 85 tower cranes, this year there is a growth of nearly double the amount of units. The 2020 **ACTTOWERCRANE50** features 26 companies with 234 branches and 9,014 employees. Last year's list tallied 24 companies, 250 branches and 8,192 employees.

This year we are seeing a slight decrease in branch locations, possibly due to acquisitions or other business transactions, but a hopeful increase of 822 new employees. Expansions have slowed,

## Largest tower cranes (by capacity)

2020 RANK	COMPANY	LARGEST TOWER CRANE	CAPACITY (MT)
1	Leavitt Cranes	Kroll K1650L	135
2	J.F. Lomma Inc.	Favco M1280	100
3	Morrow Equipment	Liebherr 710 HC-L	64
4	Maxim Crane Works	Wolf 1250B	60
5	U.S. Crane & Rigging	Favco M440D	55
6	Stafford Crane Group	Potain MD1400	50
7	Bigge Crane & Rigging	Comedil CTT 721-40B	40
8	Allied Crane	Jaso J380PA	36
9	ALL Family of Companies (ALL Erection & Crane Rental)	Potain MD 610	32
10	P&J Arcomet	Zoomlion T600	32
11	RMS Cranes	Potain MR608	32
12	Oxford Builders Supplies	Terex Comedil CTL630	32
13	Skycrane Limited	Sun STT-753	32
14	B&G Equipment and Supply	Terex Peiner SK415	32
15	Wolffkran	Wolff 235 B	28

## 2020 ACTTOWERCRANE50

2020 RANK	2019 RANK	COMPANY	COUNTRY	NO. OF DEPOTS	NO. OF EMPLOYEES	SCOPE OF OPERATION
1	1	<b>Morrow Equipment Company</b>	USA	20	332	Worldwide
2	2	<b>Maxim Crane Works</b>	USA	61	3,700	National
3	3	<b>Bigge Crane and Rigging</b>	USA	21	1,059	National
4	4	<b>P&amp;J Arcomet</b>	USA	4	55	Worldwide
5	5	<b>ALL Family of Companies (ALL Erection &amp; Crane Rental)</b>	USA/Canada	36	1,600	National
6	6	<b>Stafford Crane Group</b>	USA	8	140	Worldwide
7	7	<b>Leavitt Cranes</b>	Canada	4	50	Worldwide
8	8	<b>Creative Lifting Services</b>	USA	1	25	National
9	9	<b>RMS Cranes</b>	USA	5	350	Regional
10	NEW	<b>U.S. Crane &amp; Rigging</b>	USA	2	>500	National
11	11	<b>Oxford Builders Supplies</b>	Canada	4	60	National
12	13	<b>Compass Equipment</b>	USA	4	85	Regional
13	NEW	<b>Concrane Equipment</b>	Canada	1	9	Regional
14	10	<b>Bigfoot Crane Company</b>	Canada	2	29	National
15	12	<b>Blue Hat Crane</b>	USA	6	63	National
16	14	<b>SkyCrane Limited</b>	Canada	2	14	Worldwide
17	15	<b>J.F. Lomma</b>	USA	7	180	Worldwide
18	NEW	<b>Rocky Mountain Crane</b>	USA	1	5	Regional
19	16	<b>B&amp;G Equipment and Supply</b>	USA	6	15	National
20	20	<b>Wolffkran</b>	USA	2	7	Worldwide
21	17	<b>Guay</b>	Canada	20	500	National
22	19	<b>Allied Crane</b>	Canada	1	12	National
23	NEW	<b>Ideal Crane Rental</b>	USA	6	100+	Regional
24	21	<b>Custom Service Crane</b>	USA	5	50	Regional
25	23	<b>Crane Tech Solutions</b>	USA	2	25	Regional
26	22	<b>Connelly Crane Rental</b>	USA	3	49	National

but there does not appear to be a notable hiring freeze despite the current climate, as companies reflect an upward growth in personnel.

It is also important to note that the **ACTTOWERCRANE50** list continues to be affected by mergers. It will be interesting to see if this trend continues in light of the tenuous economy.

Morrow Equipment continues to maintain the Number 1 spot on our list. Morrow has been at the top of the list since the beginning. This year Morrow logged 571 tower cranes, a slight increase from last year's 568. The company also shows the same number of depots and an increase of nine employees.

Morrow maintains the leading position on the **ACTTOWERCRANE50** owning 146 more tower cranes than the Number 2 firm, Maxim Crane Works.

At Number 2, Maxim Crane Works has 425 tower cranes in its fleet, having added 52 units since this time last year. The company has 61 depots compared to 55 last year and 3,700 employees, increasing from 3,615 last year.

The Number 3 company on the list is Bigge Crane & Rigging. The company showed a slight drop in units, recording 215 versus 250 units last year, a decline of 35 tower cranes.

P&J Arcomet has maintained its Number 4 spot with 116 tower cranes in its fleet,



an increase of nine units. Rounding out the top five companies is ALL Family of Companies with 97 tower cranes, up one unit from last year but still maintaining its Number 5 spot. Most companies on the list have increased the number of tower cranes in their fleets.



SENIOR CONTACT	WEBSITE	LARGEST TOWER CRANE IN FLEET	LARGEST TOWER CRANE CAPACITY (MT)	NUMBER OF TOWER CRANES IN FLEET
Peter Juhren, President and COO	www.morrow.com	Liebherr 710 HC-L	64	571
Bryan Carlisle, CEO	www.maximcrane.com	Wolff 1250B	60	425
Weston Settlemier, President & CEO	www.bigge.com	Comedil CTT 721-40B	40	215
Stephen Jehle, President	www.pjarcomet.com	Zoomlion T600	32	116
Michael L. Liptak, President	www.allcrane.com	Potain MD 610	32	97
Patrick N. Stafford, President	www.staffordcranegroup.com	Potain MD1400	50	81
Erick Zampini, Branch Manager	www.leavittcranes.com	Kroll K1650L	135	77
Will Webb, President	www.creativelifting.com	Saez TLS-65	10	59
Dennis Lebsack, Director of Bus. Dev./Tower Cranes	www.rmscrans.com	Potain MR608	32	53
Thomas Auringer, Owner	www.uscraneriggingllc.com	Favco M440D	55	49
Mike Demelo, VP Equipment	www.oxfordbuilders.ca	Terex Comedil CTL630	32	46
Kelly Hadland, CEO	www.compassequipment.com	Potain MD569	23	44
Ricky Redigonda, President	www.concrane.ca	ENG Cranes ETL253	20	41
Ryan Burton, Managing Director	www.bigfootcrane.com	Potain MDT219 J10	10	41
Henry Volante, Tower Crane Director	www.bluehatcrane.com	Linden Comansa 21LC550	20	38
Jim Howard, President	www.towercranes.net	Sun STT-753	32	34
Frank Signorelli, Chief Operating Officer	www.jflommainc.com	Favco M1280	100	34
Dusty Bitton	www.rockymtncranes.com	Potain MDT 219	10	30
JR Moran, Director of Crane Operations	www.bgequipmentsupply.com	Terex Piener SK575	32	28
Todd Yager, President	www.wolffkran.com	Wolff 235 B	28	25
Jean-Marc Baronet, President	www.gruesguay.com	Terex Peiner SK415	20	24
Derek Kasa, CEO	www.alliedcraneltd.ca	Jaso J380PA	36	23
Robert Kalhagen, President	www.idealcranerental.com	Liebherr 81K.1	18	13
Randy Huffman, Vice President	www.customservicecrane.com	Wolff 8033.20	20	13
Robert Kohler, Vice President	www.cranetechsolutions.com	Jaso J560	24	8
Michael A. Connelly, President	www.connellycrane.com	Terex Peiner SK415	20	6

## Newcomers

This year there were four newcomers on the **ACTTOWERCRANE50**, which contributed to the number of units, employees and locations. U.S. Crane & Rigging participated for the first time with 49 tower cranes in its fleet and nearly 500 employees. Canadian company Concrane Equipment has joined the rankings with 41 units, a tie with Bigfoot Crane Company. Newcomer Rocky Mountain Crane came in just behind J.F. Lomma, with 30 units, and Ideal Crane Rental Inc. with 100 plus employees and 13 tower cranes.

In terms of the tower crane with the highest capacity, after an extensive run

## Disclaimer

Like all of our lists, we work very hard to ensure the accuracy of the information submitted to us. *ACT* and its editors are not responsible for inaccuracies or errors in our top lists. We hope to continually grow this list. If your company has one or dozens of tower cranes in your fleet, you should be on this list. To receive a 2021 survey, please e-mail: D. Ann Shiffler at [d.annshiffler@khl.com](mailto:d.annshiffler@khl.com) or Hannah Sundermeyer at [hannah.sundermeyer@khl.com](mailto:hannah.sundermeyer@khl.com).

in the Number 1 spot, J.F. Lomma's 100-metric ton capacity Favco M1280 was bumped to Number 2. Canada-based Leavitt Cranes owns a Kroll K1650L, which boasts a capacity of 135 metric tons.

As always, the *ACT* team made a monumental effort to increase the number of companies on the **ACTTOWERCRANE50** list. We created

a database of close to 100 companies that we know have one or more tower cranes. The problem is getting these companies to realize the value in filling out our survey form and submitting their information.

We will continue to try to get this list to its rightful size of at least 50 companies. A huge round of applause to all the participants who secured a spot on our list. ■



# Be Part of Something **BIG.**

## Host a Hands-On Career Day in 2021

Show students and educators the people, equipment, and companies in crane, rigging, and specialized transportation.

Find Industry Resources at our new website. [LIFTANDMOVEUSA.ORG](http://LIFTANDMOVEUSA.ORG)

**98%** of CTE administrators say relationships with industry partners are **IMPORTANT** or **EXTREMELY IMPORTANT**.

—Source: Association for Career and Technical Education (ACTE)



## Industry-Education Partnerships

# Get Connected.



[liftandmoveusa.org](http://liftandmoveusa.org)  
[tbennett@scranet.org](mailto:tbennett@scranet.org)



Supporting Organizations



Specialized Carriers & Rigging Association



SPECIALIZED CARRIERS AND RIGGING FOUNDATION

NCCCO FOUNDATION

Media Partner





# 2021 calendar of industry events

**MARCH 29-31, 2021**



## AED Summit

The Mirage Hotel, Las Vegas, NV  
[www.aednet.org/events/summit](http://www.aednet.org/events/summit)

**APRIL 19-24, 2021**



## Intermat

Paris, France  
[www.paris-en.intermatconstruction.com](http://www.paris-en.intermatconstruction.com)

**APRIL 25-28, 2021**



## AWRF Spring Conference

LA Quinta, CA  
[www.awrf.org](http://www.awrf.org)

**MAY 12-14, 2021**



## ACRP General Assembly

Orlando, FL  
[www.acrp.net](http://www.acrp.net)



**JUNE 2021 (TO BE ANNOUNCED)**



## International Tower Crane Conference

Paris, France  
[www.khl-itc.com](http://www.khl-itc.com)

**JUNE 8-10, 2021**



## World of Concrete

Las Vegas, NV  
[www.offhighwaybriefing.com](http://www.offhighwaybriefing.com)

**JULY 13-15, 2021**



## SC&RA Transportation Symposium

Sheraton, Birmingham, AL  
[www.scranet.org](http://www.scranet.org)

**SEPTEMBER 14-16, 2021**



## SC&RA Crane & Rigging Workshop

Hyatt Regency, Chicago, IL  
[www.scranet.org](http://www.scranet.org)

**SEPTEMBER 26-29, 2021**



## AWRF Fall Conference

Omni, Nashville, TN  
[www.awrf.org](http://www.awrf.org)

As a result of Covid-19, many 2020 events were held virtually.



**SEPTEMBER 28-30, 2021**



## Utility Expo

Fairgrounds, Louisville, KY  
[www.khl-group.com/events/esta](http://www.khl-group.com/events/esta)

**SEPTEMBER 29-30, 2021**



## Breakbulk Americas

George Brown Convention, Houston, TX  
[www.americas.breakbulk.com](http://www.americas.breakbulk.com)

**SEPTEMBER 29-30, 2021**



## World Crane & Transport Summit

Singapore, Asia  
[www.khl-wcts.com](http://www.khl-wcts.com)

**OCTOBER 25-29, 2021**



## SC&RA Annual Conference

San Antonio, TX  
[www.scranet.org](http://www.scranet.org)



KHL Group participates in construction industry tradeshows, conferences and symposiums around the globe. At these events, *American Cranes & Transport* and the *ACT Sourcebook* are showcased and distributed.

[www.khl.com/events/all-events-diary](http://www.khl.com/events/all-events-diary)

These tables and conversions are provided to help readers with comparisons between U.S., Imperial (U.K.) and metric measurements

# Conversion

The crane marketplace is global, although there are still regulations and other issues that complicate the ability for there to be a truly “global” crane. Most of the major manufacturers produce cranes

for markets around the world, For the purpose of the *American Cranes & Transport Sourcebook/CT Sourcebook*, we only include cranes that are marketed in North America.

In the global marketplace, the metric system is standard for determining crane capacity and related information. However, in North America, most owners and users still look to the Imperial system for their measurements. However, crane manufacturers have begun to see the benefit of using one system to market their cranes, and more American crane owners have begun to accept the metric system as the new standard.

However, the conversion process is still necessary in many cases.

The key figures printed in the center column can be read as either metric or imperial. example: 1 meter = 1.094 yards or 1 yard = 0.914 meters. \*Imp= Imperial

## LENGTH

1 millimeter (mm)	=	0.0394 inches
1 meter (m) (1000 mm)	=	1.0936 yards
1 kilometer (km) (1000 m)	=	0.5214 mile
1 inch	=	25.4 mm
1 yard (36 inches)	=	0.9144 m
1 mile (1760 yards)	=	1.6093 km

## AREA

1 square meter (m <sup>2</sup> ) (10000 cm <sup>2</sup> )	=	1.1960 square yards
1 hectare (he) (10000 m <sup>2</sup> )	=	2.4711 acres
1 square km (km <sup>2</sup> ) (100 hectares)	=	0.3851 square mile
1 square yard (9 square feet)	=	0.8361 m <sup>2</sup>
1 acre (4840 yards <sup>2</sup> )	=	4046.9 m <sup>2</sup>

## VOLUME

1 cubic meter (m <sup>3</sup> )	=	1.3080 cubic yards
1 liter (l)	=	0.2200 gallon
1 cubic yard (27 cubic feet)	=	0.7646 meter
1 pint (4 gills)	=	0.5683 liter
1 gallon (8 pints)	=	4.5401 liter

## HEAT

1 British Thermal Unit (BTU)	=	1,055 joules
1 BTU/lb	=	2.326 kilojoules/kg

## WEIGHT

1 gram (g) (1000 mg)	=	0.0353 oz
1 pound (lb) (16 ounces)	=	0.4536 kg
1 ton (2,240 pounds)	=	1.0161 tonnes
1 US ton	=	2,000 lbs
1 metric tonne	=	2,200 lbs
1 hundred weight (cwt)	=	112 lb

## POWER

1 horsepower (hp)	=	746 watts (0.75 kW)
1 kilowatt (kW)	=	1.34 hp

## PRESSURE

1 bar (atmosphere)	=	14.2 psi
1 pound/inch <sup>2</sup> (psi)	=	6895 N/m <sup>2</sup>
1 (Newton/m <sup>2</sup> ) Nm <sup>2</sup>	=	1 pascal (Pa)
20 lb/in <sup>2</sup>	=	1.41 kg/cm <sup>2</sup>

## USA WET MEASURE EQUIVALENTS

1 US pint (16 fl oz) (0.8327 UK pt)	=	0.4732 liter
1 US gallon (0.8327 UK gal)	=	3.7653 liters
1 US barrel	=	5.62 ft <sup>3</sup> = 0.159 m <sup>3</sup>

Inches (")	Millimeters (mm)	
0.039	1	25.4
0.079	2	50.8
0.118	3	76.2
0.157	4	101.6
0.197	5	127.0
0.236	6	152.4
0.276	7	177.8
0.315	8	203.2
0.354	9	228.6

Square Feet (ft <sup>2</sup> )	Square Meters (m <sup>2</sup> )	
10.764	1	0.093
21.528	2	0.186
32.292	3	0.279
43.056	4	0.372
53.819	5	0.465
64.583	6	0.557
75.347	7	0.650
86.111	8	0.743
96.875	9	0.836

Ounces (oz)	Grams (g)	
0.035	1	28.350
0.071	2	56.699
0.106	3	85.049
0.141	4	113.398
0.176	5	141.748
0.212	6	170.097
0.247	7	198.447
0.282	8	226.796
0.317	9	255.146

# tables

In the *ACT Sourcebook 2021*, we have ranked the crane categories four different ways. In the mobile and crawler crane categories, we have ranked the cranes listed by metric tons and U.S. tons. In the boom truck category we ranked the cranes by U.S. tons only. In the industrial and articulating crane categories, we have ranked the machines by pounds, metric tons and U.S. tons. In the tower crane category, we have ranked crane capacities by ton meters. We are providing the conversion tables as a matter of convenience.

Please do not use the conversions in important technical or safety calculations as they are designed as a guide to converting figures, not as a definitive listing.

For Manitowoc, Link Belt and other cranes manufactured for the North American market, model names often indicate the lifting capacity of the crane in U.S. tons. ■

## SPEED

Miles per hour (mph)	20	30	40	50	60	70	80	90	100
Kilometer per hour (km/h)	32	48	64	80	96	112	128	144	160

## FUEL

Gallons (US)	1	2	4	6	8	10	12	14
Liters	3.78	7.54	15.14	22.71	30.28	37.85	45.45	53.00
Gallons (UK)	1	2	4	6	8	10	12	14
Liters	4.55	9.09	18.18	27.27	36.37	45.46	54.54	63.64

## WEIGHT

Pounds	1	2	3	4	5	10	14	20
Kilograms	0.454	0.907	1.361	1.814	2.268	4.536	6.350	9.072

## TEMPERATURE

°F	32	40	50	60	70	75	85	95	105	140	175	212
°C	0	5	10	15	20	25	30	35	40	60	80	100

Miles	Kilometers (km)	
0.621	1	1.609
1.243	2	3.219
1.864	3	4.828
2.485	4	6.437
3.105	5	8.047
3.728	6	9.656
4.350	7	11.265
4.971	8	12.875
5.592	9	14.484

Feet (')	Meters (m)	
3.281	1	0.305
6.562	2	0.610
9.843	3	0.914
13.123	4	1.219
16.404	5	1.514
19.685	6	1.829
22.966	7	2.134
26.247	8	2.438
29.528	9	2.743

Yards (yd)	Meters (m)	
1.094	1	0.914
2.187	2	1.829
3.281	3	2.743
4.375	4	3.658
5.468	5	4.572
6.564	6	5.486
7.658	7	6.401
8.752	8	7.315
9.846	9	8.230

Square Yards (yd <sup>2</sup> )	Square Meters (m <sup>2</sup> )	
1.196	1	0.836
2.392	2	1.672
3.588	3	2.508
4.784	4	3.345
5.980	5	4.181
7.176	6	5.017
8.372	7	5.853
9.568	8	6.689
10.764	9	7.525

Cubic Feet (ft <sup>3</sup> )	Cubic Meters (m <sup>3</sup> )	
35.315	1	0.028
70.629	2	0.057
105.943	3	0.085
141.258	4	0.113
176.572	5	0.147
211.887	6	0.170
247.201	7	0.198
282.516	8	0.227
317.830	9	0.255

Cubic Yards (yd <sup>3</sup> )	Cubic Meters (m <sup>3</sup> )	
1.308	1	0.765
2.616	2	1.529
3.924	3	2.294
5.232	4	3.058
6.540	5	3.823
7.848	6	4.587
9.156	7	5.352
10.464	8	6.117
11.772	9	6.881

Pounds (lb)	Kilograms (kg)	
2.205	1	0.454
4.409	2	0.907
6.614	3	1.361
8.819	4	1.814
11.023	5	2.268
13.226	6	2.722
15.432	7	3.175
17.637	8	3.629
19.842	9	4.082

Gallons (gall) °Imp(UK)	Liters (l)	
0.220	1	4.544
0.440	2	9.087
0.660	3	13.631
0.880	4	18.174
1.101	5	22.718
1.321	6	27.262
1.541	7	31.805
1.761	8	36.349
1.981	9	40.892

Pints (pt) °Imp(UK)	Liters (l)	
1.761	1	0.568
3.521	2	1.136
5.282	3	1.704
7.043	4	2.272
8.804	5	2.840
10.564	6	3.406
12.325	7	3.976
14.086	8	4.544
15.847	9	5.112

# H&E EQUIPMENT SERVICES

*YOUR FULL-SERVICE CRANE DEALER*



**RENTALS / SALES / PARTS / SERVICE**

With over 50 years of experience in the crane business, H&E is the largest Manitowoc and Grove dealer in the world. As industry leaders, we provide the higher standard in new and used equipment sales, rentals, general crane service, and parts replacement. In addition, we have rebuilt hundreds of cranes from various manufacturers. With remanufacturing centers conveniently located throughout the United States, our state-of-the-art repair facilities are staffed with expert, factory-trained and certified service professionals.

- › Largest Manitowoc and Grove Dealer in the World
- › Crane Sales and Product Support Experts on Staff
- › Factory-Authorized Remanufacturing and Structural Repair
- › Factory-Authorized Component Rebuilds
- › Tier 4 Engine Repowers
- › Factory-Trained Technicians
- › In-Shop and Mobile Service
- › Largest New Inventory and Rental Fleet
- › Quality Used Cranes
- › New and Used Manitowoc Parts
- › Comprehensive New and Used Parts Inventory
- › Locations and Remanufacturing Centers Nationwide

**EnCORE**

Rebuild. Repair. Remanufacture. Exchange.

**Manitowoc**  
Crane Care

Give us a call today!

**877-HE-CRANE**

**HE-EQUIPMENT.COM**

**GROVE**  
by Manitowoc

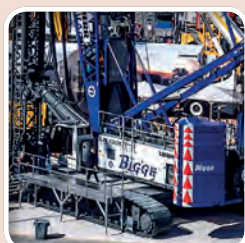
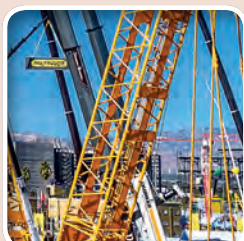
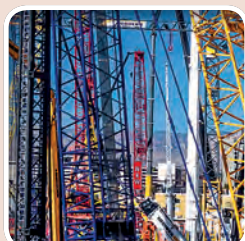
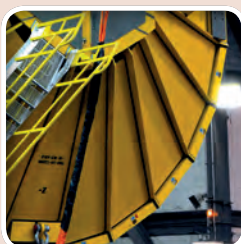
**NATIONAL CRANE**  
by Manitowoc

**Manitowoc**

**Manitex**

**MARINE TRAVELIFT**

**EFFER**



**MOBILE CRANES 72**  
**ALL TERRAINS**

BY MANUFACTURER 72  
BY CAPACITY 73

**ROUGH TERRAINS** 74  
BY MANUFACTURER 74  
BY CAPACITY 75

**TRUCK CRANES** 76  
BY MANUFACTURER 76  
BY CAPACITY 76

**BOOM TRUCKS** 77  
BY MANUFACTURER 77  
BY CAPACITY 79

**CRAWLER CRANES** 82  
BY MANUFACTURER 82  
BY CAPACITY 83

**TELESCOPIC CRAWLERS** 85  
BY MANUFACTURER 85  
BY CAPACITY 85

**MEGA CRANES** 86  
BY MANUFACTURER 86  
BY CAPACITY 86

**TOWER CRANES** 86  
**LUFFING JIB**  
BY MANUFACTURER 86  
BY CAPACITY 89

**SADDLE JIB**  
BY MANUFACTURER 91  
BY CAPACITY 95

**SELF-ERECTING** 99  
BY MANUFACTURER 99  
BY CAPACITY 100

**ARTICULATING CRANES** 101  
BY MANUFACTURER 101  
BY CAPACITY 103

**INDUSTRIAL CRANES** 106  
BY MANUFACTURER 106  
BY CAPACITY 109

**RUBBER TIRED GANTRY CRANES** 111  
BY MANUFACTURER 111  
BY CAPACITY 112

## ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ $m$ )	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Grove	GMK3050-3	50	0.9 @ 36.0	40	8	50	3	53	12	254	55
Grove	GMK3060-2	60	1.1 @ 36.0	40	15	58	3	53	12	254	65
Grove	GMK3060L-1	60	0.6 @ 48.0	48	15	65	3	53	12	254	65
Grove	GMK4080-2	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4080-3	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4090	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Grove	GMK4090-1	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Grove	GMK4100L-1	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Grove	GMK4100L-2	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Grove	GMK5150	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150-1	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150L	150	0.9 @ 74.0	60	33.8	97	5	53	12	390	175
Grove	GMK5150L-1	150	0.9 @ 74.0	60	33.8	97	5	53	12	390	175
Grove	GMK5180-1	180	1.1 @ 76.0	64	34	101	5	53	12	390	210
Grove	GMK5200-1	200	1.0 @ 84.0	64	34	101	5	53	12	390	240
Grove	GMK5250L-1	250	0.9 @ 88.0	70	37	110	5	53	12	390	300
Grove	GMK5250XL-1	250	0.8 @ 90.0	78.5	33.8	115	5	53	12	390	300
Grove	GMK6300L-1	300	0.9 @ 94.0	80	37	120	6	53	12	430	350
Grove	GMK6400	400	2.6 @ 96.0	60	79	136	6	53	12	405	450
Grove	GMK6400-1	400	2.6 @ 96.0	60	79	136	6	53	12	430	450
Grove	GMK7450/GMK7550	450	1.4 @ 104.0	60	79	136	7	53	12	420	550
Liebherr	LTM 1030-2.1	35	0.4@40	30	15	44	2	50	12	210	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	50	12	210	45
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	260	50
Liebherr	LTM 1050-3.1	50	0.6@44	38	16	54	3	53	12	270	60
Liebherr	LTM 1055-3.2	55@2.5	0.9@46	40	16	56	3	53	12	270	65
Liebherr	LTM 1060-3.1	60@2.1	0.9@48	48	16	63	3	53	12	270	70
Liebherr	LTM 1070-4.2	70@2.5	0.7@48	50	16	65	4	53	12	300	80
Liebherr	LTM 1090-4.2	90	0.7@62	60	16	76	4	53	12	330	110
Liebherr	LTM 1095-5.1	95	0.8@60	58	26	82	5	53	12	370	115
Liebherr	LTM 1100-4.2	100	0.8@58	60	33	91	4	53	12	350	120
Liebherr	LTM 1100-5.2	100@2.7	0.8@66	52	33	84	5	53	12	370	120
Liebherr	LTM 1110-5.1	110	1.0@54	60	33	91	5	53	10/12	400	125
Liebherr	LTM 1120-4.1	120	0.9@54	66	26	91	4	53	12	330	135
Liebherr	LTM 1130-5.1	130	0.9@72	60	33	91	5	53	12	400	155
Liebherr	LTM 1150-5.3	150	0.9@54	66	26	92	5	53	10/12	400	170
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Liebherr	LTM 1230-5.1	230	1.5@72	75	43	110	5	53	12	400	275
Liebherr	LTM 1250-5.1	250	1.1@96	60	50	108	5	53	12	400	300
Liebherr	LTM 1300-6.2	300	1.1@94	78	70	114	6	53	12	450	360
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	450	400
Liebherr	LTM 1400-7.1	400	1.5@100	60	84	130	7	53	12	450	500
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	131	8	53	12	505	550
Liebherr	LTM 1500-8.1	500	3.6@108	84	91	142	8	53	12	500	600
Liebherr	LTM 1650-8.1	700	5.7@76	80	91	151	8	53	10/12	505	770
Liebherr	LTM 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Liebherr	LTM 11200-9.1	1,200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1500
Link-Belt	175IAT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Link-Belt	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Tadano	ATF 70G-4 (44m)	70 @ 2.5	0.7 @ 50	44	16	63	4	53	12	320	75
Tadano	ATF 70G-4 (52.1m)	70 @ 2.5	0.7 @ 46	52.1	16	71	4	53	12	320	75
Tadano	ATF 100G-4	100 @ 2.3	0.5 @ 56	51.2	18	71	4	53	12	320	110
Tadano	ATF 110G-5	110 @ 3.0	1.0 @ 64	52	32	87.5	5	53	12	390	130
Tadano	ATF 130G-5	130 @ 2.7	1.1 @ 72	60	32	95	5	53	12	390	160
Tadano	ATF 200G-5	200 @ 2.7	1.2 @ 80	60	35	99.5	5	53	12	390	220
Tadano	ATF 220G-5	220 @ 2.5	1.31 @ 84	68	35	107.5	5	53	12	390	250
Tadano	ATF 400G-6	400 @ 2.7	2.1 @ 86	60	78.5	125	6	53	12	460	450
Tadano Demag	AC 45 City	45	.7@36.5	31.2	13	44.2	3	50	12	260	50



## ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ $m$ )	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Tadano Demag	AC 55-3	55	.95@36.5	50	0	50	3	53	12	260	60
Tadano Demag	AC 60-3	60	0.7@44	50	16	66	3	53	12	260	65
Tadano Demag	AC 100-4(L)	100	1.0@54	59.4	27	81.6	4	53	12	340	120
Tadano Demag	AC 130-5	130	1.6@62	60	33	86.5	5	53	12	405	140
Tadano Demag	AC 160-5	160	1.5@66	68	33	101	5	53	12	405	180
Tadano Demag	AC 220-5	220	1.1@74	78	21	99	5	53	12	405	245
Tadano Demag	AC 250-5	250	1.7@78	70	45	101.8	5	53	12	405	300
Tadano Demag	AC 300-6	300	2.5@82	80	63	116.3	6	53	12	460	350
Tadano Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	12	450	400
Tadano Demag	AC 450-7	450	2.5@98	80	81	125	6	53	12	460	450
Tadano Demag	AC 500-8	500	2.2@110	56	90	145.8	8	50	12	460	600
Tadano Demag	AC 700-9	700	3.8@110	60	96	149.5	9	47	12	460	800
Tadano Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	12	480	1320

## ALL TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ $m$ )	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Liebherr	LTM 1030-2.1	35	0.4@40	30	15	44	2	50	12	210	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	50	12	210	45
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	260	50
Tadano Demag	AC 45 City	45	.7@36.5	31.2	13	44.2	3	50	12	260	50
Grove	GMK3050-3	50	0.9 @ 36.0	40	8	50	3	53	12	254	55
Liebherr	LTM 1050-3.1	50	0.6@44	38	16	54	3	53	12	270	60
Tadano Demag	AC 55-3	55	.95@36.5	50	0	50	3	53	12	260	60
Grove	GMK3060-2	60	1.1 @ 36.0	40	15	58	3	53	12	254	65
Grove	GMK3060L-1	60	0.6 @ 48.0	48	15	65	3	53	12	254	65
Liebherr	LTM 1055-3.2	55@2.5	0.9@46	40	16	56	3	53	12	270	65
Tadano Demag	AC 60-3	60	0.7@44	50	16	66	3	53	12	260	65
Liebherr	LTM 1060-3.1	60@2.1	0.9@48	48	16	63	3	53	12	270	70
Tadano	ATF 70G-4 (44m)	70 @ 2.5	0.7 @ 50	44	16	63	4	53	12	320	75
Tadano	ATF 70G-4 (52.1m)	70 @ 2.5	0.7 @ 46	52.1	16	71	4	53	12	320	75
Liebherr	LTM 1070-4.2	70@2.5	0.7@48	50	16	65	4	53	12	300	80
Grove	GMK4080-2	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4080-3	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4090	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Grove	GMK4090-1	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Liebherr	LTM 1090-4.2	90	0.7@62	60	16	76	4	53	12	330	110
Tadano	ATF 100G-4	100 @ 2.3	0.5@ 56	51.2	18	71	4	53	12	320	110
Grove	GMK4100L-1	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Grove	GMK4100L-2	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Liebherr	LTM 1095-5.1	95	0.8@60	58	26	82	5	53	12	370	115
Liebherr	LTM 1100-4.2	100	0.8@58	60	33	91	4	53	12	350	120
Liebherr	LTM 1100-5.2	100@2.7	0.8@66	52	33	84	5	53	12	370	120
Tadano Demag	AC 100-4(L)	100	1.0@54	59.4	27	81.6	4	53	12	340	120
Liebherr	LTM 1110-5.1	110	1.0@54	60	33	91	5	53	10/12	400	125
Tadano	ATF 110G-5	110 @ 3.0	1.0@ 64	52	32	87.5	5	53	12	390	130
Liebherr	LTM 1120-4.1	120	0.9@54	66	26	91	4	53	12	330	135
Tadano Demag	AC 130-5	130	1.6@62	60	33	86.5	5	53	12	405	140
Liebherr	LTM 1130-5.1	130	0.9@72	60	33	91	5	53	12	400	155
Tadano	ATF 130G-5	130 @ 2.7	1.1 @ 72	60	32	95	5	53	12	390	160
Liebherr	LTM 1150-5.3	150	0.9@54	66	26	92	5	53	10/12	400	170
Grove	GMK5150	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150-1	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150L	150	0.9 @ 74.0	60	33.8	97	5	53	12	390	175
Grove	GMK5150L-1	150	0.9 @ 74.0	60	33.8	97	5	53	12	390	175
Link-Belt	175IAT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Tadano Demag	AC 160-5	160	1.5@66	68	33	101	5	53	12	405	180

## ALL TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Grove	GMK5180-1	180	1.1 @76.0	64	34	101	5	53	12	390	210
Link-Belt	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Tadano	ATF 200G-5	200 @ 2.7	1.2 @ 80	60	35	99.5	5	53	12	390	220
Grove	GMK5200-1	200	1.0 @84.0	64	34	101	5	53	12	390	240
Tadano Demag	AC 220-5	220	1.1@74	78	21	99	5	53	12	405	245
Tadano	ATF 220G-5	220 @ 2.5	1.31 @ 84	68	35	107.5	5	53	12	390	250
Liebherr	LTM 1230-5.1	230	1.5@72	75	43	110	5	53	12	400	275
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Grove	GMK5250L-1	250	0.9 @88.0	70	37	110	5	53	12	390	300
Grove	GMK5250XL-1	250	0.8 @90.0	78.5	33.8	115	5	53	12	390	300
Liebherr	LTM 1250-5.1	250	1.1@96	60	50	108	5	53	12	400	300
Tadano Demag	AC 250-5	250	1.7@78	70	45	101.8	5	53	12	405	300
Grove	GMK6300L-1	300	0.9 @94.0	80	37	120	6	53	12	430	350
Tadano Demag	AC 300-6	300	2.5@82	80	63	116.3	6	53	12	460	350
Liebherr	LTM 1300-6.2	300	1.1@94	78	70	114	6	53	12	450	360
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	450	400
Tadano Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	12	450	400
Grove	GMK6400	400	2.6 @96.0	60	79	136	6	53	12	405	450
Grove	GMK6400-1	400	2.6 @96.0	60	79	136	6	53	12	430	450
Tadano	ATF 400G-6	400 @ 2.7	2.1 @ 86	60	78.5	125	6	53	12	460	450
Tadano Demag	AC 450-7	450	2.5@98	80	81	125	6	53	12	460	450
Liebherr	LTM 1400-7.1	400	1.5@100	60	84	130	7	53	12	450	500
Grove	GMK7450/GMK7550	450	1.4 @104.0	60	79	136	7	53	12	420	550
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	131	8	53	12	505	550
Liebherr	LTM 1500-8.1	500	3.6@108	84	91	142	8	53	12	500	600
Tadano Demag	AC 500-8	500	2.2@110	56	90	145.8	8	50	12	460	600
Liebherr	LTM 1650-8.1	700	5.7@76	80	91	151	8	53	10/12	505	770
Tadano Demag	AC 700-9	700	3.8@110	60	96	149.5	9	47	12	460	800
Liebherr	LTM 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Tadano Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	12	480	1320
Liebherr	LTM 11200-9.1	1,200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1500

## ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
Broderson	RT-400	20	3600 lbs @ 68 ft			98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	45m (146 ft)	2	25	122	30
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	47m (154 ft)	2	25	122	40
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	51.8m (170 ft)	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	59.7m (196 ft)	2	18.8	122	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	65.2m (214 ft)	2	23	194	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	67.3m (221 ft)	2	23	194	70
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	68m (223 ft)	2	15	205	80
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	73m (239.5 ft)	2	15	205	100
Grove	GRT8120	120@2		60	17.6	80.8m (265 ft)	2	15	205	120
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	85m (279 ft)	2	15	239	130
Grove	GRT9165	150@2.5	0.65 @ 72.0	62.5	25.8	91.1m (299 ft)	3	7.5	224	165
Liebherr	LRT 1090-2.1	90	0.9@50	47	19	66	2	15.5	194	100
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	194	110
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	145	50
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Link-Belt	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Link-Belt	RTC-8090 Series II	80@2.5	1.9@40	42.7	27.4	69.8	2	18.2	201	90
Link-Belt	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Link-Belt	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120

## ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Load at		Maximum	Maximum	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Main Boom (m)	Main Boom Extension (m)					
Link-Belt	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1		17	257	130
Link-Belt	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92		15	257	160
Manitex	M-150	15	4,700 lbs @ 55 ft	19.05	n/s	85.5	2	26	119	15
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
Tadano	GR-150XL-3	13.6 @ 1.2	0.4 @ 21	24	5.5	97.5	2	25	129	15
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Tadano	GR-750XL	68 @ 2.4	0.8 @ 38	43	17.7	198.9	2	22	201	75
Tadano	GR-800XL-4	72.6 @ 2.4	0.64 @ 44	43	17.7	211.3	2	22	209	80
Tadano	GR-1000XL	90.7 @ 2.4	0.9 @ 40	47	17.7	211.3	2	22	201	100
Tadano	GR-1000XL-4	90.7 @ 2.4	1.27 @ 44	47	17.7	211.3	2	22	209	100
Tadano	GR-1000XLL-4	90.7 @ 2.4	1.1 @ 47	51	17.7	224.1	2	22	209	100
Tadano	GR-1200XL	110 @ 2.4	1.2 @ 46	56	17.7	241.4	2	12	201	120
Tadano	GR-1600XL	145 @ 2.4	1.8 @ 56	61	18	302.5	3	9.3	201	160
Terex	TRT 80US	80@2,5	0.9 @ 39	42.1	15	141	2	19.2	168	80
Terex	RT 100US	87@2,5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Terex	TRT 100US	87@2,5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Zoomlion	RT3535	1.23 @ 29	31	15	41	2	24 MPH	129	40	
Zoomlion	RT60	55	1.17@33.5	43	17	61	2	26 MPH	160	65
Zoomlion	ZRT850	70	1.4 @ 34	47	16	65.7	2	22 MPH	194	94

## ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Load at		Maximum	Maximum	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Main Boom (m)	Main Boom Extension (m)					
Manitex	M-150	15	4,700 lbs @ 55 ft	19.05	n/s	85.5	2	26	119	15
Tadano	GR-150XL-3	13.6 @ 1.2	0.4 @ 21	24	5.5	97.5	2	25	129	15
Broderson	RT-400	20	3600 lbs @ 68 ft			98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	45m (146 ft)	2	25	122	30
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	47m (154 ft)	2	25	122	40
Zoomlion	RT35	35	1.23 @29	31	15	41	2	24 MPH	129	40
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	145	50
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	51.8m (170 ft)	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	59.7m (196 ft)	2	18.8	122	55
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	65.2m (214 ft)	2	23	194	65
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Zoomlion	RT60	55	1.17@33.5	43	17	61.4	2	26 MPH	160	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	67.3m (221 ft)	2	23	194	70
Link-Belt	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Tadano	GR-750XL	68 @ 2.4	0.8 @ 38	43	17.7	198.9	2	22	201	75
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	68m (223 ft)	2	15	205	80
Tadano	GR-800XL-4	72.6 @ 2.4	0.64 @ 44	43	17.7	211.3	2	22	209	80
Terex	TRT 80US	80@2,5	0.9 @ 39	42.1	15	141	2	19.2	168	80
Link-Belt	RTC-8090 Series II	80@2.5	1.9@40	42.7	27.4	69.8	2	18.2	201	90
Zoomlion	ZRT850	70	1.4 @ 34	47	16	65.7	2	22 MPH	194	94
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	73m (239.5 ft)	2	15	205	100
Liebherr	LRT 1090-2.1	90	0.9@50	47	19	66	2	15.5	194	100
Link-Belt	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Tadano	GR-1000XL	90.7 @ 2.4	0.9 @ 40	47	17.7	211.3	2	22	201	100
Tadano	GR-1000XL-4	90.7 @ 2.4	1.27 @ 44	47	17.7	211.3	2	22	209	100
Tadano	GR-1000XLL-4	90.7 @ 2.4	1.1 @ 47	51	17.7	224.1	2	22	209	100
Terex	RT 100US	87@2,5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Terex	TRT 100US	87@2,5	1.0 @ 38	47	17	209.9	2	19.2	168	100

## ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Load at		Maximum	Maximum		Number of Axles (#)	Maximum	Engine Power (kW)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Main Boom (m)	Main Boom Extension (m)	Maximum Hook Height (feet)		Travel Speed (mph)		
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	194	110
Grove	GRT8120	120@2		60	17.6	80.8m (265 ft)	2	15	205	120
Link-Belt	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Tadano	GR-1200XL	110 @ 2.4	1.2 @ 46	56	17.7	241.4	2	12	201	120
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	85m (279 ft)	2	15	239	130
Link-Belt	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1		17	257	130
Link-Belt	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92		15	257	160
Tadano	GR-1600XL	145 @ 2.4	1.8 @ 56	61	18	302.5	3	9.3	201	160
Grove	GRT9165	150@2.5	0.65 @ 72.0	62.5	25.8	91.1m (299 ft)	3	7.5	224	165

## TRUCK CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum	Maximum		Number of Axles (#)	Maximum	Engine Power (kW)	Capacity US tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Main Boom (m)	Main Boom Extension (m)	Maximum Hook Height (m)		Travel Speed (mph)		
Grove	TMS500-2	40 @ 2.2	.6 @38	29	13.7	39.1	3	65	261	40
Grove	TMS500-2	40 @ 2.2	.6@36	31	13.7	42	3	65	261	40
Grove	TMS700E	55	.5@46	33.5	29.3	64.6	4	65	336	60
Grove	TMS800E	70	.5 @48	39	29.3	70.1	4	65	336	80
Grove	TMS9000-2	104	.6@61	51.6	25.6	80.3	4	65	336	115
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	55
Liebherr	LTF 1060-4.1	60@2.5	0.7@48	40	16	56	4	n/s	n/s	70
Link-Belt	HTC-8660 Series II	45.36	1.2@30	33.5	15.5	46.4	4	60.69	276	60
Link-Belt	HTC/HTT-8675 Series II	64.25	1.45@36	38.7	29.26	65.17	4	62.9	336	75
Link-Belt	HTC/HTT-86100	72.65	2.35@40	42.7	27.5	67.3	4	62.9	336	100
Link-Belt	HTC/HTT-86110	85	1.9@46	50	27.5	76.9	4	62	336	110
Load King	340-94	36.3	.95@26	28.7	14.9	44.8	3	60	224	40
Load King	340-105	36.3	.55@30	32	14.9	48.2	3	60	224	40
Load King	460-110	54	1.25@32	33.5	17.4	52	4	65	335	60
Load King	480-126	72	1.6@36	38.4	17.4	57.6	4	65	335	80

## TRUCK CRANES BY CAPACITY

Manufacturer	Model	Load at		Maximum	Maximum		Number of Axles (#)	Maximum	Engine Power (kW)	Capacity US tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Main Boom (m)	Main Boom Extension (m)	Maximum Hook Height (m)		Travel Speed (mph)		
Load King	340-94	36.3	.95@26	28.7	14.9	44.8	3	60	224	40
Load King	340-105	36.3	.55@30	32	14.9	48.2	3	60	224	40
Grove	TMS500-2	40 @ 2.2	.6 @38	29	13.7	39.1	3	65	261	40
Grove	TMS500-2	40 @ 2.2	.6@36	31	13.7	42	3	65	261	40
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	55
Link-Belt	HTC-8660 Series II	45.36	1.2@30	33.5	15.5	46.4	4	60.69	276	60
Load King	460-110	54	1.25@32	33.5	17.4	52	4	65	335	60
Grove	TMS700E	55	.5@46	33.5	29.3	64.6	4	65	336	60
Liebherr	LTF 1060-4.1	60@2.5	0.7@48	40	16	56	4	n/s	n/s	70
Link-Belt	HTC/HTT-8675 Series II	64.25	1.45@36	38.7	29.26	65.17	4	62.9	336	75
Load King	480-126	72	1.6@36	38.4	17.4	57.6	4	65	335	80
Grove	TMS800E	70	.5 @48	39	29.3	70.1	4	65	336	80
Link-Belt	HTC/HTT-86100	72.65	2.35@40	42.7	27.5	67.3	4	62.9	336	100
Link-Belt	HTC/HTT-86110	85	1.9@46	50	27.5	76.9	4	62	336	110
Grove	TMS9000-2	104	.6@61	51.6	25.6	80.3	4	65	336	115

## BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Altec	AC26-103B	159	103	44	A-type	26
Altec	AC26-103B	159	103	44	Out-and-Down	26
Altec	AC26-103R	159	103	44	A-type	26
Altec	AC26-103S	156	103	44	Out-and-Down	26
Altec	AC28-103B	159	103	44	A-type	28
Altec	AC28-103B	159	103	44	Out-and-Down	28
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-101B	109	101	44	Out-and-Down	30
Altec	AC30-103S	156	103	44	Out-and-Down	30
Altec	AC38-103S	167	103	55	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	Out-and-Down	38
Altec	AC38-127S	189	127	55	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	Out-and-Down	38
Altec	AC38-127S-L	136	127	n/s	Out-and-Down	38
Altec	AC40-152S	207	152	49	Out-and-Down	40
Altec	AC45-127S	189	127	55	Out-and-Down	45
Elliott Equipment Company	1039	49	39	NA	A-Frame	10
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Elliott Equipment Company	1560	90	60	20	A-Frame	15
Elliott Equipment Company	1838	48	38	NA	A-Frame	18
Elliott Equipment Company	1860	90	60	20	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
Elliott Equipment Company	2651TM	63	51	NA	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	A-Frame	26
Elliott Equipment Company	3095	148	95	24 or 41	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	Out-and-Down	30
Elliott Equipment Company	34127	186	127	49	Out-and-Down	34
Elliott Equipment Company	34142	201	142	49	Out-and-Down	34
Elliott Equipment Company	36127	186	127	49	Out-and-Down	36
Elliott Equipment Company	36142	201	142	49	Out-and-Down	36
Elliott Equipment Company	40105	170	105	32 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Elliott Equipment Company	45127	192	127	26 or 55	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26 or 55	Out-and-Down	45
Elliott Equipment Company	50105	164	105	32 or 49	Out-and-Down	50
Load King	10-47	87	47	18-30	A Link-Type	10
Load King	19-70	120	70	24 - 40	A Link-Type	19
Load King	25-92	144	92	26 - 44	H-type	25
Load King	28-106	162	106	30 - 47	K-pattern	28
Load King	35-100	163	100	30.5 - 55	H-type	35
Load King	35-127 RS	192	127	30.5 - 55	H-type	35
Load King	40-127 RS	192	127	30.5 - 55	H-type	40
Load King	60-110	170	110	33 - 57	X-pattern	60
Load King	80-126	190	126	33 - 57	X-pattern	80
Load King	80-160	228	160	30-58	X-pattern	40
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	17

## BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	1970C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	19
Manitex	2085T	95	18.9-85	N/A	Out-and-Down	20
Manitex	2485C/T	95	18.9-85	N/A	Out-and-Down	24
Manitex	2250C/T	96	20 - 50	20 or 34	A-Link and Out-and-Down	22
Manitex	2262C/T	115	24 - 62	24 or 42	A-Link and Out-and-Down	22
Manitex	2277C	140	29 - 77	29 or 52	A-Link and Out-and-Down	22
Manitex	2281C/T	133	24 - 81	24 or 41	A-Link and Out-and-Down	22
Manitex	2277S	138	29 - 77"	29 or 52	Out-and-Down	22
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	124WL	135	37 - 124	n/s	A-Link and Out-and-Down	25
Manitex	26101C	142	29 - 101	26	A-Link and Out-and-Down	26
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
Manitex	30112S	168	33 - 112	26 or 46	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	A-Link and Out-and-Down	30
Manitex	3051T	62	51	NA	A-LINK and Out-and-Down	30
Manitex	3577C	91	30 - 77	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	Out-and-Down	35
Manitex	35124C	166	31 - 124	31	Out-and-Down	35
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
Manitex	TC450-127	190	31-127	31-55	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	Out-and-Down	45
Manitex	TC500-96	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5096S	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	50110S	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50110SHL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50155S	203	38.5 - 155	39	Out-and-Down	50
Manitex	50155SHL	203	38.5 - 155	39	Out-and-Down	50
Manitex	50128S	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	50128SHL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5060S	72.5	60	NA	Out-and-Down	50
Manitex	TC65131	194	131	30 - 50	Out-and-Down	65
Manitex	TC65159	207	159	38	Out-and-Down	65
National Crane	400B	66	56	n/s	A-type	10
National Crane	500 E2	121	71	41	A-type	18
National Crane	600 E2	121	90	45	A-type	20
National Crane	600H	99	90	45	HO-type	20
National Crane	800D	152	100	44	A-type	23
National Crane	900A	155	103	44	A-type	26
National Crane	NBT30H-2	119	110	44	HO-type	30
National Crane	1300A	163	110	44	HO-type	30

## BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
National Crane	1400H	165	127	30	HO-type	33
National Crane	1400A	172	127	30	HO-type	33
National Crane	NBT 36-1	190	127	55	HO-type	36
National Crane	NBT 40-1	190	142	55	HO-type	40
National Crane	NBT 45-1	206	161	55	HO-type	45
National Crane	NBT 50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
National Crane	NBT 60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60
National Crane	NBT60XL	202	151	45	X-type	60
QMC	5370R	73.8	70	n/s	Out-and-Down	22
QMC	5555S	58.8	55	n/s	Out-and-Down	23
QMC	5555R	58.8	55	n/s	Out-and-Down	23
QMC	4033R	37.4	33	n/s	Out-and-Down	25
QMC	4037R	41.3	37	n/s	Out-and-Down	25
QMC	5037R	34.9	37	n/s	Out-and-Down	29
QMC	5034R	32.2	34	n/s	Out-and-Down	29
QMC	7256R	60.2	56	n/s	Out-and-Down	30
QMC	6070C	73.8	70	30 Fly	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	Out-and-Down	33
QMC	6082TD	83.9	82	n/s	Out-and-Down	34
QMC	70100TD	95.5	100	n/s	Out-and-Down	35
QMC	7060RSX	56.9	60	n/s	Out-and-Down	36
QMC	8060R	57.1	60	n/s	Out-and-Down	40
QMC	80101S	97	101	n/s	Out-and-Down	40

## BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Elliott Equipment Company	1039	49	39	NA	A-Frame	10
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Load King	10-47	87	47	18-30	A Link-Type	10
National Crane	400B	66	56	n/s	A-type	10
Elliott Equipment Company	1560	90	60	20	A-Frame	15
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	17
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Elliott Equipment Company	1838	48	38	NA	A-Frame	18
Elliott Equipment Company	1860	90	60	20	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
National Crane	500 E2	121	71	41	A-type	18
Load King	19-70	120	70	24 - 40	A Link-Type	19
Manitex	1970C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	19
Manitex	2085T	95	18.9 - 85	N/A	Out-and-Down	20
National Crane	600 E2	121	90	45	A-type	20
National Crane	600H	99	90	45	HO-type	20

## BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	2250C/T	96	20 - 50	20 or 34	A-Link and Out-and-Down	22
Manitex	2262C/T	115	24 - 62	24 or 42	A-Link and Out-and-Down	22
Manitex	2277C	140	29 - 77	29 or 52	A-Link and Out-and-Down	22
Manitex	2281C/T	133	24 - 81	24 or 41	A-Link and Out-and-Down	22
Manitex	2277S	138	29 - 77	29 or 52	Out-and-Down	22
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
GMC	5370R	73.8	70	n/s	Out-and-Down	22
National Crane	800D	152	100	44	A-type	23
GMC	5555S	58.8	55	n/s	Out-and-Down	23
GMC	5555R	58.8	55	n/s	Out-and-Down	23
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Manitex	2485C/T	95	18.9-85	N/A	Out-and-Down	24
Load King	25-92	144	92	26 - 44	H-type	25
Manitex	124WL	135	37 - 124	n/s	A-Link and Out-and-Down	25
GMC	4033R	37.4	33	n/s	Out-and-Down	25
GMC	4037R	41.3	37	n/s	Out-and-Down	25
Altec	AC26-103B	159	103	44	A-type	26
Altec	AC26-103B	159	103	44	Out-and-Down	26
Altec	AC26-103R	159	103	44	A-type	26
Altec	AC26-103S	156	103	44	Out-and-Down	26
Elliott Equipment Company	2651TM	63	51	NA	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	A-Frame	26
Manitex	26101C	142	29 - 101	26	A-Link and Out-and-Down	26
National Crane	900A	155	103	44	A-type	26
Altec	AC28-103B	159	103	44	A-type	28
Altec	AC28-103B	159	103	44	Out-and-Down	28
Load King	28-106	162	106	30 - 47	K-pattern	28
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
GMC	5037R	34.9	37	n/s	Out-and-Down	29
GMC	5034R	32.2	34	n/s	Out-and-Down	29
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-101B	109	101	44	Out-and-Down	30
Altec	AC30-103S	156	103	44	Out-and-Down	30
Elliott Equipment Company	3095	148	95	24 or 41	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	Out-and-Down	30
Manitex	30112S	168	33 - 112	26 or 46	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	A-Link and Out-and-Down	30
Manitex	3051T	62	51	NA	A-LINK and Out-and-Down	30
National Crane	NBT30H-2	119	110	44	HO-type	30
National Crane	1300A	163	110	44	HO-type	30
GMC	7256R	60.2	56	n/s	Out-and-Down	30
National Crane	1400H	165	127	30	HO-type	33
National Crane	1400A	172	127	30	HO-type	33
GMC	6070C	73.8	70	30 Fly	Out-and-Down	33
GMC	8470S	73.8	70	30 Fly	Out-and-Down	33
Elliott Equipment Company	34127	186	127	49	Out-and-Down	34
Elliott Equipment Company	34142	201	142	49	Out-and-Down	34
GMC	6082TD	83.9	82	n/s	Out-and-Down	34
Load King	35-100	163	100	30.5 - 55	H-type	35
Load King	35-127 RS	192	127	30.5 - 55	H-type	35
Manitex	3577C	91	30 - 77	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	Out-and-Down	35



## BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	35124C	166	31 - 124	31	Out-and-Down	35
GMC	70100TD	95.5	100	n/s	Out-and-Down	35
Elliott Equipment Company	36127	186	127	49	Out-and-Down	36
Elliott Equipment Company	36142	201	142	49	Out-and-Down	36
National Crane	NBT 36-1	190	127	55	HO-type	36
GMC	7060RSX	56.9	60	n/s	Out-and-Down	36
Altec	AC38-103S	167	103	55	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	Out-and-Down	38
Altec	AC38-127S	189	127	55	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	Out-and-Down	38
Altec	AC38-127S-L	136	127	n/s	Out-and-Down	38
Altec	AC40-152S	207	152	49	Out-and-Down	40
Elliott Equipment Company	40105	170	105	32 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Load King	40-127 RS	192	127	30.5 - 55	H-type	40
Load King	80-160	228	160	30-58	X-pattern	40
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
National Crane	NBT 40-1	190	142	55	HO-type	40
GMC	8060R	57.1	60	n/s	Out-and-Down	40
GMC	80101S	97	101	n/s	Out-and-Down	40
Altec	AC45-127S	189	127	55	Out-and-Down	45
Elliott Equipment Company	45127	192	127	26 or 55	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26 or 55	Out-and-Down	45
Manitex	TC450-127	190	31-127	31-55	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	Out-and-Down	45
National Crane	NBT 45-1	206	161	55	HO-type	45
Elliott Equipment Company	50105	164	105	32 or 49	Out-and-Down	50
Manitex	TC500-96	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5096S	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	50110S	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50110SHL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50155S	203	38.5 - 155	39	Out-and-Down	50
Manitex	50155SHL	203	38.5 - 155	39	Out-and-Down	50
Manitex	50128S	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	50128SHL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5060S	72.5	60	NA	Out-and-Down	50
National Crane	NBT 50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
Load King	60-110	170	110	33 - 57	X-pattern	60
National Crane	NBT 60	179	128	NA	X-type	60

# CRANE GUIDE BOOM TRUCKS

## BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
National Crane	NBT60L	202	151	45	X-type	60
National Crane	NBT60XL	202	151	45	X-type	60
Manitex	TC65131	194	131	30 - 50	Out-and-Down	65
Manitex	TC65159	207	159	38	Out-and-Down	65
Load King	80-126	190	126	33 - 57	X-pattern	80

## CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/Maximum (m/m)	Maximum			
Kobelco	CK800G-2	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80	
Kobelco	CK850G-2	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85	
Kobelco	CK1100G-2	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110	
Kobelco	CK1200G-2	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120	
Kobelco	CK1600G-2	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160	
Kobelco	CK2000II	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200	
Kobelco	CK2750G-2	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275	
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330	
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385	
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350	
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500	
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850	
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000	
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100	
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500	
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500	
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600	
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000	
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35	
Liebherr	HS 8040.1	44	1.2@36	45	18,568	50	30.8	48	
Liebherr	HS 8070.1	65	1.1@46	54	20,760	56	25	77	
Liebherr	LR 1110	115.5@3	2.5@65	98	14.0/71.0	71	46.6	110	
Liebherr	HS 8100.1	90	1@52	60	14/68	62	22.33	110	
Liebherr	LR1110	115	2.4@65	105.9	14/104.8	71	22.5	127	
Liebherr	HS 8130.1	120	0.5@50	72	14/53	74	21.66	150	
Liebherr	LR 1130.1	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151	
Liebherr	LR 1160.1	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	200	
Liebherr	LR 1200.1	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	220	
Liebherr	HS 8200	200@4.8	2.6@67		20/68		21.7	220	
Liebherr	LR 1250.1	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275	
Liebherr	LR 1300.1 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	330	
Liebherr	HS 8300.1	300	2.9@60	72	20/68	68	25	330	
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400	
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	27.5	550	
Liebherr	LR 1600/2	600@11m	6.2@152	187	24/144	96	22.7	660	
Liebherr	LR 1600/2-W	600@11m	23@144	166	24/144	36	22.7	660	
Liebherr	LR 1750/2	750@7m	2.6@156	191	21/140	105	27.5	825	
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880	
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880	
Liebherr	LR 11000	1000@11m	6.1@180	224	18/156	114	22.7	1,200	
Liebherr	LR 11350	1350@12m	30.6@140	196	30/150	114	18	1,500	
Liebherr	LR 13000	3000@12	29@200	245	60/144	126	n/s	3,300	
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80	
Link-Belt	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110	
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130	
Link-Belt	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150	
Link-Belt	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200	

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)		
Link-Belt	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Link-Belt	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	24.4	51.7	181
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
SANY America	SCA1000A	100@3.8	1@48	65	13/64	22.5	16.67	110
SANY America	SCA1350A	136@4.5	5.3@57.9	76	15.8/75.8	31	21.67	150
SANY America	SCA2600A	573.2@5	4.9@92	95	19.9/92	42	16.67	286
Tadano Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Tadano Demag	CC 2800-2	600	9.3@156	192	24/192	96	20	660
Tadano Demag	CC 2800-1	600	4@142	192	24 / 180	102	20	660
Tadano Demag	CC 3800-1	650	4.1@161	192	24 / 192	96	20	715
Tadano Demag	PC 3800-1	650	6.3@160	192	24 / 192	96	on outriggers	715
Tadano Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1,375
Tadano Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1,760
Tadano Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	117	13.33	3,525
Zoomlion	ZCC1100	100@3.2	1.2@55	67	13/67	18	21	110
Zoomlion	ZCC2600	260@5	2@82	95	20/83	60	16.67	286

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)		
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35
Liebherr	HS 8040.1	44	1.2@36	45	18,568	50	30.8	48
Liebherr	HS 8070.1	65	1.1@46	54	20,760	56	25	77
Kobelco	CK800G-2	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Kobelco	CK850G-2	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Kobelco	CK1100G-2	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110
Liebherr	LR 1110	115.5@3	2.5@65	98	14.0/71.0	71	46.6	110
Liebherr	HS 8100.1	90	1@52	60	14/68	62	22.33	110
Link-Belt	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
SANY America	SCA1000A	100@3.8	1@48	65	13/64	22.5	16.67	110
Zoomlion	ZCC1100	100@3.2	1.2@55	67	13/67	18	21	110
Kobelco	CK1200G-2	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Liebherr	LR1110	115	2.4@65	105.9	14/104.8	71	22.5	127
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Liebherr	HS 8130.1	120	0.5@50	72	14/53	74	21.66	150
Link-Belt	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150
SANY America	SCA1350A	136@4.5	5.3@57.9	76	15.8/75.8	31	21.67	150
Liebherr	LR 1130.1	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Kobelco	CK1600G-2	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	24.4	51.7	181

## CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)		
Kobelco	CK2000II	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Liebherr	LR 1160.1	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	200
Link-Belt	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Liebherr	LR 1200.1	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	220
Liebherr	HS 8200	200@4.8	2.6@67		20/68		21.7	220
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
Link-Belt	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Kobelco	CK2750G-2	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275
Liebherr	LR 1250.1	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
SANY America	SCA2600A	573.2@5	4.9@92	95	19.9/92	42	16.67	286
Zoomlion	ZCC2600	260@5	2@82	95	20/83	60	16.67	286
Link-Belt	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Liebherr	LR 1300.1 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	330
Liebherr	HS 8300.1	300	2.9@60	72	20/68	68	25	330
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
Tadano Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	27.5	550
Liebherr	LR 1600/2	600@11m	6.2@152	187	24/144	96	22.7	660
Liebherr	LR 1600/2-W	600@11m	23@144	166	24/144	36	22.7	660
Tadano Demag	CC 2800-2	600	9.3@156	192	24/192	96	20	660
Tadano Demag	CC 2800-1	600	4@142	192	24 / 180	102	20	660
Tadano Demag	CC 3800-1	650	4.1@161	192	24 / 192	96	20	715
Tadano Demag	PC 3800-1	650	6.3@160	192	24 / 192	96	on outriggers	715
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716
Liebherr	LR 1750/2	750@7m	2.6@156	191	21/140	105	27.5	825
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100
Liebherr	LR 11000	1000@11m	6.1@180	224	18/156	114	22.7	1,200
Tadano Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1,375
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Liebherr	LR 11350	1350@12m	30.6@140	196	30/150	114	18	1,500
Tadano Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1,760
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2,600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3,000
Liebherr	LR 13000	3000@12	29@200	245	60/144	126	n/s	3,300
Tadano Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	117	13.33	3,525

## TELESCOPIC CRAWLERS BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)					
Grove	GHC30	30@2.5m	0.8 @ 30	40.2	10/25.2	13	50	30
Grove	GHC75	70@2m	0.7 @ 44	52.7	11.0/36	15	45	75
Grove	GHC140	127	1.1 @ 64	70	12.3/52.2	15	41.5	140
Grove	GHC50	45	0.8 @ 36	45.4	9.4/30.4	13	41.5	50
Grove	GHC55	50@2m	0.8 @ 36	45.4	9.4/30.4	13	41.5	55
Grove	GHC130	120@2.5m	1.0 @ 62	70	12.6/40.2	27	41.5	132
Liebherr	LTR 1060	60	1.6@36	54	10.2/40.0	16	50	65
Liebherr	LTR 1220	220	4.1@56	101	13.3/60.0	36	41.6	250
Liebherr	LTR 1100	100	1.5@48	83	11.5/52.0	19	46.6	110
Link-Belt	TCC-500	51	0.6@44	50.44	10.8/33.8	15.6	53.3	50
Link-Belt	TCC-800	80	1.9@34	54.3	11.8/36.6	17.7	35	80
Link-Belt	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	120
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Manitex Valla	90 TRX	9 t	4,138 lbs @ 18 ft	28 ft	n/s	n/s	53.3	9.9
SANY America	SCA800TB	80	0.1 @ 30.0	46	12.2/47	10.2	41.7	88
Tadano	GTC-2000	156	2.2 @ 54	85.0	12.9/60	23.0	38.3	172
Tadano	GTC-1600	145	1.1 @ 64	92.0	13.1/61	32.0	40.0	160
Tadano Mantis	GTC-350	35	0.3 @ 38	38.9	10.9/27.2	12.8	64.3	35
Tadano Mantis	GTC-550	50	0.3 @ 42	49.1	11.0/34.7	15.2	48.3	55
Tadano Mantis	GTC-700	60	0.4 @ 45	53.7	11.5/36	17.7	61.7	70
Tadano Mantis	GTC-900	80	1.0 @ 50	60.4	11.5/43	17.7	56.3	90
Tadano Mantis	GTC-1300	120	1.3 @ 59.4	79.0	12.8/47.2	32.0	37.6	130

## TELESCOPIC CRAWLERS BY CAPACITY

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)					
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Manitex Valla	90 TRX	9 t	4,138 lbs @ 18 ft	28 ft	n/s	n/s	53.3	9.9
Grove	GHC30	30@2.5m	0.8 @ 30	40.2	10/25.2	13	50	30
Tadano Mantis	GTC-350	35	0.3 @ 38	38.9	10.9/27.2	12.8	64.3	35
Grove	GHC50	45	0.8 @ 36	45.4	9.4/30.4	13	41.5	50
Link-Belt	TCC-500	51	0.6@44	50.44	10.8/33.8	15.6	53.3	50
Grove	GHC55	50@2m	0.8 @ 36	45.4	9.4/30.4	13	41.5	55
Tadano Mantis	GTC-550	50	0.3 @ 42	49.1	11.0/34.7	15.2	48.3	55
Liebherr	LTR 1060	60	1.6@36	54	10.2/40.0	16	50	65
Tadano Mantis	GTC-700	60	0.4 @ 45	53.7	11.5/36	17.7	61.7	70
Grove	GHC75	70@2m	0.7 @ 44	52.7	11.0/36	15	45	75
Link-Belt	TCC-800	80	1.9@34	54.3	11.8/36.6	17.7	35	80
SANY America	SCA800TB	80	0.1 @ 30.0	46	12.2/47	10.2	41.7	88
Tadano Mantis	GTC-900	80	1.0 @ 50	60.4	11.5/43	17.7	56.3	90
Liebherr	LTR 1100	100	1.5@48	83	11.5/52.0	19	46.6	110
Link-Belt	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	120
Tadano Mantis	GTC-1300	120	1.3 @ 59.4	79.0	12.8/47.2	32.0	37.6	130
Grove	GHC130	120@2.5m	1.0 @ 62	70	12.6/40.2	27	41.5	132
Grove	GHC140	127	1.1 @ 64	70	12.3/52.2	15	41.5	140
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140
Tadano	GTC-1600	145	1.1 @ 64	92.0	13.1/61	32.0	40.0	160
Tadano	GTC-2000	156	2.2 @ 54	85.0	12.9/60	23.0	38.3	172
Liebherr	LTR 1220	220	4.1@56	101	13.3/60.0	36	41.6	250
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250

## MEGA CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Load (t)	Load at Maximum Radius (t@m)		Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Capacity Metric tons	Capacity US Tons
			Maximum Load (t)	Radius (m)				
ALE	AL.SK190	4,300	245t @ 196m	213m	89m/214m	4,300	4,740	
ALE	AL.SK350	5,000	106t @ 254m	231m	89m/242m	5,000	5,511	
ALE	AL.SK700	10,000	212t @ 254m	231m	89m/242m	10,000	11,023	
Bigge Crane and Rigging	Bigge145D	6,820	390t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500	
Bigge Crane and Rigging	Bigge160D	6,820	545t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500	
Lampson	LTL-2600	2,358	208 @ 140.2	142.3	67.0/140.2	2,358	2,600	
Lampson	LTL-3000	2,721	279 @ 140.2	142.3	67.0/140.2	2,680	3,000	
Liebherr	LR 13000	3,000	29@200	236	60/144	3,000	3,300	
Mammoet	PTC 200 DS	4,500	88 @ 207	240	83/246	4,500	5,000	
Manitowoc	31000	2,300	80.1 @130	154.6	55/150	2,300	2,535	
Sarens	SGC-90	1,550	405 @ 120	170m (w/jib)	120/180	1,550	1,708	
Sarens	SGC-140	3,200	200t @ 200	212m (w/ Jib)	89/230	3,200	3,465	
Sarens	SGC-120	3,200	150t @ 200	212m (w/ Jib)	89/230	3,200	3,465	
Sarens	SGC-250	5,000	@ 250	250m (w/ Jib)	118/260	5,000	5,511	
Tadano Demag	CC 8800-1 TWIN	3,200	123@129	222	54 / 234	3,197	3,525	

## MEGA CRANES BY CAPACITY

Manufacturer	Model	Maximum Load (t)	Load at Maximum Radius (t@m)		Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Capacity Metric tons	Capacity US Tons
			Maximum Load (t)	Radius (m)				
Sarens	SGC-90	1,550	405 @ 120	170m (w/jib)	120/180	1,550	1,708	
Manitowoc	31000	2,300	80.1 @130	154.6	55/150	2,300	2,535	
Lampson	LTL-2600	2,358	208 @ 140.2	142.3	67.0/140.2	2,358	2,600	
Lampson	LTL-3000	2,721	279 @ 140.2	142.3	67.0/140.2	2,680	3,000	
Liebherr	LR 13000	3,000	29@200	236	60/144	3,000	3,300	
Sarens	SGC-140	3,200	200t @ 200	212m (w/ Jib)	89/230	3,200	3,465	
Sarens	SGC-120	3,200	150t @ 200	212m (w/ Jib)	89/230	3,200	3,465	
Tadano Demag	CC 8800-1 TWIN	3,200	123@129	222	54 / 234	3,197	3,525	
ALE	AL.SK190	4,300	245t @ 196m	213m	89m/214m	4,300	4,740	
Mammoet	PTC 200 DS	4,500	88 @ 207	240	83/246	4,500	5,000	
ALE	AL.SK350	5,000	106t @ 254m	231m	89m/242m	5,000	5,511	
Sarens	SGC-250	5,000	@ 250	250m (w/ Jib)	118/260	5,000	5,511	
Bigge Crane and Rigging	Bigge145D	6,820	390t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500	
Bigge Crane and Rigging	Bigge160D	6,820	545t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500	
ALE	AL.SK700	10,000	212t @ 254m	231m	89m/242m	10,000	11,023	

## LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to?		Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
			Max load @max radius	radius (t@m)						
COMANSA	LCL165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	87
COMANSA	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	87
COMANSA	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	87
COMANSA	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	87
COMANSA	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	87
COMANSA	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	87
COMANSA	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	87
COMANSA	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	87
COMANSA	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	204	0	53.2	87
COMANSA	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	204	0	59	87
COMANSA	LCL 500 24t	24	24 @ 20	4.7 @ 65	470	30 to 65	180	0	68.3	87
COMANSA	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	87
COMANSA	LCL 700 50t	50	50 @ 20	7.5 @ 65	1270	30 to 65	169	0	69.8	87
COMANSA	LCL 700 64t	64	64 @ 15	7.2 @ 65	1015	30 to 65	129	0	69.8	87

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
ENG	EDL90	8	8.0@22.2	1.65@44.5	208	12.1	163	4	61.6	87
ENG	ETL 113	8	8.0@25.5	1.68@51.0	313	28	165	4	50.3	85
ENG	EDL120	10	10.0@23.7	2.34@50.4	208	18	131	5	58.7	87
ENG	EDL182	12	12.0@21.5	2.34@55.4	208	23	131	5	58.7	87
ENG	ETL 183	14	14.0@25.0	2.36@56.0	402	28	133	4	64.5	85
ENG	ETL 253	20	20.0@24.5	3.35@60.0	558	29	215	5	67.5	85
ENG	ETL 273	25	25.0@21.0	3.32@60.0	564	29	159	3	68.7	85
Favelle Favco	M220D	32	32@10	3.0@53	n/s	27/55	210	n/s	56	85
Favelle Favco	M380F	32	32@15	3.0@63	n/s	36/64	250	n/s	56	85
Favelle Favco	M440D	50	50@13	2.7@65	n/s	36/69	158	n/s	56	85
Favelle Favco	MK440E	50	50@13	2.7@65	n/s	32/69	160	n/s	56	85
Favelle Favco	M760D	64	64@15	4.0@70	n/s	36/73	122	n/s	56	85
Favelle Favco	MK760E	64	64@12	4.0@70	n/s	36/73	150	n/s	56	85
Favelle Favco	M900F	64	64@15	7.5@72	n/s	36/73	111	n/s	56	85
Favelle Favco	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	85
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	16	75.3	n/s
Jaso	J118HPA (Hydraulic luffing crane)	6	6.0@25.1	1.6@45	452	30	80	14	68	n/s
Jaso	J168HPA (Hydraulic luffing crane)	6	6.0@30.0	2.5@50	434	30	80	14	70.1	n/s
Jaso	J80PA.RC	8	8.0@14.2	2.75@30.5	800	25.5	76	19	na	n/s
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	15	66.3	n/s
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	15	67.3	n/s
Jaso	J88PA.RC	16	16.0@7.6	2.75@30.5	800	20.5	76	10	na	n/s
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Jaso	J780PA.64	64	64@18.9	6.0@70	830	30	188	11	86.1	n/s
Jaso	J780PA	75	75@16.8	5.7@70	1007	30	310	8	86.1	n/s
Jost Cranes	JTL 68.4s	4	4t @ 20m	2t @ 35m	n/s	25	124	15	100	87
Jost Cranes	JTL 68.4	4	4t @ 20m	1.5t @ 40m	n/s	25	124	15	100	87
Jost Cranes	JTL 78.4	4	4t @ 22m	1.6t @ 40m	n/s	25	200	33	100	87
Jost Cranes	JTL 98.4	4	4t @ 22m	1.5t @ 45m	n/s	30	200	33	100	87
Jost Cranes	JTL 78.6	6	6t @ 14.6m	1.5t @ 40m	n/s	25	184	17	100	87
Jost Cranes	JTL 98.6	6	6t @ 15m	1.4t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 108.6	6	6t @ 20m	1.6t @ 45m	n/s	30	124	11	100	87
Jost Cranes	JTL 118.6	6	6t @ 20m	1.8t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 158.6	6	6t @ 27m	2.4t @ 50m	n/s	27.3	124	11	100	87
Jost Cranes	JTL 118.8	8	8t @ 15.9 m	1.7t @ 45m	n/s	30	188	21	100	87
Jost Cranes	JTL 168.8	8	8t @ 21.7m	2.0t @ 50m	n/s	27.3	188	21	100	87
Jost Cranes	JTL 168.10	10	10t @ 17.3m	2.3t @ 50m	n/s	27.3	158	20	100	87
Jost Cranes	JTL 208.12	12	12t @ 19.7m	2.6t @ 55m	n/s	30	110	12	100	87
Jost Cranes	JTL 218.12	12	12t @ 19.4m	3.3t @ 50m	n/s	30	188	12	100	87
Jost Cranes	JTL 268.12	12	12t @ 23m	3.4t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JTL 318.12	12	12t @ 25m	4.5t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JL 226.12	12	12t @ 20.4m	2.2t @ 60m	n/s	30	188	15	100	87
Jost Cranes	JL 266.12	12	12t @ 20.4m	3.1t @ 60m	n/s	30	188	15	100	87
Jost Cranes	JTL 268.16	16	16t @ 17.5m	3.3t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JTL 318.16	16	16t @ 20m	4.4t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JL 226.16	16	16t @ 15.4m	2.1t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 256.16	16	16t @ 18.5m	3.1t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 266.16	16	16t @ 18.3m	3.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 316.16	16	16t @ 22.1m	4.0t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 326.16	16	16t @ 22m	4.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 366.16	16	16t @ 25.3m	4.4t @ 60m	n/s	30	146	21	100	87

## LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max	Max load	Max.	Min jib length (m)	Max	Min	Max free	Max jib angle (°)
			load up to?	load @max radius	Hook Height (m)		Hoist speed (m/min)	Hoist Speed	standing height (m)	
Jost Cranes	JL 326.20	20	20t @ 17.7m	3.9t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 366.20	20	20t @ 20.3m	4.3t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 426.20	20	20t @ 24.2m	5.5t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 526.20	20	20t @ 29m	5.3t @ 65m	n/s	30	154	16	100	87
Jost Cranes	JL 416.24	24	24t @ 20.3m	5.1t @ 60m	n/s	30	130	16	100	87
Jost Cranes	JL 426.24	24	24t @ 20.1m	5.3t @ 60m	n/s	30	172	15	100	87
Jost Cranes	JL 526.24	24	24t @ 24m	5.1t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 626.24	24	24t @ 30m	7.0t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 616.32	32	32t @ 23.2m	9.1t @ 60m	n/s	30	134	17	100	87
Jost Cranes	JL 626.32	32	32t @ 22.6m	6.8t @ 65m	n/s	30	188	21	100	87
Liebherr	190 HC-L 8/16 Litronic	16	16@18.2	2.5@55.0	892	30 to 55	363	0	60.3	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	85.2	n/s
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.8	n/s
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	79.3	n/s
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.6	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	213	0	64.8	n/s
Liebherr	710 HC-L 32/64 Litronic	64	64@16.4	7.2@65.0	1067	30 to 65	194	0	74.8	n/s
Liebherr	710 HC-L 32/64 Litronic Fly-Jib	64	64@15.7	7.0@63	1067	30 to 65	194	0	74.8	n/s
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
Potain	MRH175	10	10 @ 22.5	1.5 @ 55	n/s	30	218	n/s	57.9	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	215	n/s	57.5	86
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	198.5	n/s	55.9	86
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	245	n/s	63.7	86
Potain	MR 418	24	24@20	5@60	n/s	30	254	n/s	82.7	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	63.7	86
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	85
Potain	MR 295 H16	16	16 @ 23.4	2.8 @ 60	n/s	30	248	n/s	63.7	86
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84.4	85
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
Terex	CTL 140-10	10	10@18.3	1,7@50	425	30/50	120	0	50.35	85
Terex	CTLH-192-12	12	12@23.15	2.1@55	560	25/55	252	0	84.4	86.1
Terex	CDK 100-16	16	16@9.56	3,2@30.3	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2@55	425	30/55	145	0	84.4	85
Terex	CTL 260-18	18	18@18.7	3,1@55	470	30/55	130	0	84.4	85
Terex	CTL 272-18	18	18@18	2,91@61	920	30/61	230	0	84.4	85
Terex	CTL 282-18	18	18@18	3,02@60	460	30/60	130	0	84.4	85
Terex	CTL 340-24	24	24@15.8	4@60	515	35/60	130	0	78.4	85
Terex	CTL 430-24	24	24@21.3	5,5@60	515	35/60	160	0	78.4	85
Terex	CTL 630B-32	32	32@23.2	6,7@65	495	35/65	202	0	76	85
Terex	CTL 650F-45	45	45@15.5	7@65	910	35/65	277	0	76	85
Terex	CTL 1600-66	66	66@27.6	16@75	960	40/75	185	0	89	85
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	87
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6,7@61.5	900	12	200	n/s	160	87
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	87
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	87
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	87
Wilbert	WT 2705L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	87
WOLFFKRAN	WOLFF 133.6 B	6.2	6.2@28.7	2.5@45	400	25/45	160	44	125.6	86
WOLFFKRAN	WOLFF 133.8 B	8	8.0@22.8	2.3@45	500	25/45	158	55	125.6	86
WOLFFKRAN	WOLFF 166 B US	12	12@23	2.0@55	500	25/55	174	25	125.6	86



## LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
WOLFFKRAN	WOLFF 235 B	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2	83
WOLFFKRAN	WOLFF 275 B US	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
WOLFFKRAN	WOLFF 355 B US	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6	85
WOLFFKRAN	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	84
WOLFFKRAN	WOLFF 700 B US	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
WOLFFKRAN	WOLFF 1250 B US	60	60@28.2	12.1@80.0	990	40/80	190	11	95	84

## LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Jost Cranes	JTL 68.4s	4	4t @ 20m	2t @ 35m	n/s	25	124	15	100	87
Jost Cranes	JTL 68.4	4	4t @ 20m	1.5t @ 40m	n/s	25	124	15	100	87
Jost Cranes	JTL 78.4	4	4t @ 22m	1.6t @ 40m	n/s	25	200	33	100	87
Jost Cranes	JTL 98.4	4	4t @ 22m	1.5t @ 45m	n/s	30	200	33	100	87
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	16	75.3	n/s
Jaso	J118HPA (Hydraulic luffing crane)	6	6.0@25.1	1.6@45	452	30	80	14	68	n/s
Jaso	J168HPA (Hydraulic luffing crane)	6	6.0@30.0	2.5@50	434	30	80	14	70.1	n/s
Jost Cranes	JTL 78.6	6	6t @ 14.6m	1.5t @ 40m	n/s	25	184	17	100	87
Jost Cranes	JTL 98.6	6	6t @ 15m	1.4t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 108.6	6	6t @ 20m	1.6t @ 45m	n/s	30	124	11	100	87
Jost Cranes	JTL 118.6	6	6t @ 20m	1.8t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 158.6	6	6t @ 27m	2.4t @ 50m	n/s	27.3	124	11	100	87
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
WOLFFKRAN	WOLFF 133.6 B	6.2	6.2@28.7	2.5@45	400	25/45	160	44	125.6	86
COMANSA	LCL165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	87
ENG	EDL90	8	8.0@22.2	1.65@44.5	208	12.1	163	4	61.6	87
ENG	ETL 113	8	8.0@25.5	1.68@51.0	313	28	165	4	50.3	85
Jaso	J80PA.RC	8	8.0@14.2	2.75@30.5	800	25.5	76	19	na	n/s
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	15	66.3	n/s
Jost Cranes	JTL 118.8	8	8t @ 15.9 m	1.7t @ 45m	n/s	30	188	21	100	87
Jost Cranes	JTL 168.8	8	8t @ 21.7m	2.0t @ 50m	n/s	27.3	188	21	100	87
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
WOLFFKRAN	WOLFF 133.8 B	8	8.0@22.8	2.3@45	500	25/45	158	55	125.6	86
ENG	EDL120	10	10.0@23.7	2.34@50.4	208	18	131	5	58.7	87
Jost Cranes	JTL 168.10	10	10t @ 17.3m	2.3t @ 50m	n/s	27.3	158	20	100	87
Potain	MRH175	10	10 @ 22.5	1.5 @ 55	n/s	30	218	n/s	57.9	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	215	n/s	57.5	86
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Terex	CTL 140-10	10	10@18.3	1.7@50	425	30/50	120	0	50.35	85
COMANSA	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	87
COMANSA	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	87
COMANSA	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	87
COMANSA	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	87
ENG	EDL182	12	12.0@21.5	2.34@55.4	208	23	131	5	58.7	87
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	15	67.3	n/s
Jost Cranes	JTL 208.12	12	12t @ 19.7m	2.6t @ 55m	n/s	30	110	12	100	87
Jost Cranes	JTL 218.12	12	12t @ 19.4m	3.3t @ 50m	n/s	30	188	12	100	87
Jost Cranes	JTL 268.12	12	12t @ 23m	3.4t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JTL 318.12	12	12t @ 25m	4.5t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JL 226.12	12	12t @ 20.4m	2.2t @ 60m	n/s	30	188	15	100	87
Jost Cranes	JL 266.12	12	12t @ 20.4m	3.1t @ 60m	n/s	30	188	15	100	87
Terex	CTLH-192-12	12	12@23.15	2.1@55	560	25/55	252	0	84.4	86.1
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	87
WOLFFKRAN	WOLFF 166 B US	12	12@23	2.0@55	500	25/55	174	25	125.6	86

## LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
ENG	ETL 183	14	14.0@25.0	2.36@56.0	402	28	133	4	64.5	85
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	198.5	n/s	55.9	86
Potain	MR 295 H16	16	16 @ 23.4	2.8 @ 60	n/s	30	248	n/s	63.7	86
Jaso	J88PA.RC	16	16.0@7.6	2.75@30.5	800	20.5	76	10	na	n/s
Jost Cranes	JTL 268.16	16	16t @ 17.5m	3.3t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JTL 318.16	16	16t @ 20m	4.4t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JL 226.16	16	16t @ 15.4m	2.1t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 256.16	16	16t @ 18.5m	3.1t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 266.16	16	16t @ 18.3m	3.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 316.16	16	16t @ 22.1m	4.0t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 326.16	16	16t @ 22m	4.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 366.16	16	16t @ 25.3m	4.4t @ 60m	n/s	30	146	21	100	87
Liebherr	190 HC-L 8/16 Litronic	16	16@18.2	2.5@55.0	892	30 to 55	363	0	60.3	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	85.2	n/s
Terex	CDK 100-16	16	16@9.56	3.2@30.3	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2@55	425	30/55	145	0	84.4	85
WOLFFKRAN	WOLFF 235 B	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2	83
COMANSA	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	87
COMANSA	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	87
COMANSA	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	87
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Terex	CTL 260-18	18	18@18.7	3.1@55	470	30/55	130	0	84.4	85
Terex	CTL 272-18	18	18@18	2.91@61	920	30/61	230	0	84.4	85
Terex	CTL 282-18	18	18@18	3.02@60	460	30/60	130	0	84.4	85
ENG	ETL 253	20	20.0@24.5	3.35@60.0	558	29	215	5	67.5	85
Jost Cranes	JL 326.20	20	20t @ 17.7m	3.9t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 366.20	20	20t @ 20.3m	4.3t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 426.20	20	20t @ 24.2m	5.5t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 526.20	20	20t @ 29m	5.3t @ 65m	n/s	30	154	16	100	87
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	245	n/s	63.7	86
COMANSA	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	204	0	53.2	87
COMANSA	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	204	0	59	87
COMANSA	LCL 500 24t	24	24 @ 20	4.7 @ 65	470	30 to 65	180	0	68.3	87
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jost Cranes	JL 416.24	24	24t @ 20.3m	5.1t @ 60m	n/s	30	130	16	100	87
Jost Cranes	JL 426.24	24	24t @ 20.1m	5.3t @ 60m	n/s	30	172	15	100	87
Jost Cranes	JL 526.24	24	24t @ 24m	5.1t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 626.24	24	24t @ 30m	7.0t @ 65m	n/s	30	172	15	100	87
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.8	n/s
Potain	MR 418	24	24@20	5@60	n/s	30	254	n/s	82.7	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	63.7	86
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84.4	85
Terex	CTL 340-24	24	24@15.8	4@60	515	35/60	130	0	78.4	85
Terex	CTL 430-24	24	24@21.3	5.5@60	515	35/60	160	0	78.4	85
WOLFFKRAN	WOLFF 275 B US	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
ENG	ETL 273	25	25.0@21.0	3.32@60.0	564	29	159	3	68.7	85
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	79.3	n/s
WOLFFKRAN	WOLFF 355 B US	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6	85
COMANSA	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	87
Favelle Favco	M220D	32	32@10	3.0@53	n/s	27/55	210	n/s	56	85
Favelle Favco	M380F	32	32@15	3.0@63	n/s	36/64	250	n/s	56	85
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jost Cranes	JL 616.32	32	32t @ 23.2m	9.1t @ 60m	n/s	30	134	17	100	87

## LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Jost Cranes	JL 626.32	32	32t @ 22.6m	6.8t @ 65m	n/s	30	188	21	100	87
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.6	n/s
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	85
Terex	CTL 630B-32	32	32@23.2	6.7@65	495	35/65	202	0	76	85
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6.7@61.5	900	12	200	n/s	160	87
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	213	0	64.8	n/s
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
WOLFFKRAN	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	84
Terex	CTL 650F-45	45	45@15.5	7@65	910	35/65	277	0	76	85
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	87
COMANSA	LCL 700 50t	50	50 @ 20	7.5 @ 65	1270	30 to 65	169	0	69.8	87
Favelle Favco	M440D	50	50@13	2.7@65	n/s	36/69	158	n/s	56	85
Favelle Favco	MK440E	50	50@13	2.7@65	n/s	32/69	160	n/s	56	85
WOLFFKRAN	WOLFF 700 B US	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
WOLFFKRAN	WOLFF 1250 B US	60	60@28.2	12.1@80.0	990	40/80	190	11	95	84
COMANSA	LCL 700 64t	64	64 @ 15	7.2 @ 65	1015	30 to 65	129	0	69.8	87
Favelle Favco	M760D	64	64@15	4.0@70	n/s	36/73	122	n/s	56	85
Favelle Favco	MK760E	64	64@12	4.0@70	n/s	36/73	150	n/s	56	85
Favelle Favco	M900F	64	64@15	7.5@72	n/s	36/73	111	n/s	56	85
Jaso	J780PA.64	64	64@18.9	6.0@70	830	30	188	11	86.1	n/s
Liebherr	710 HC-L 32/64 Litronic	64	64@16.4	7.2@65.0	1067	30 to 65	194	0	74.8	n/s
Liebherr	710 HC-L 32/64 Litronic Fly-Jib	64	64@15.7	7.0@63	1067	30 to 65	194	0	74.8	n/s
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	87
Terex	CTL 1600-66	66	66@27.6	16@75	960	40/75	185	0	89	85
Jaso	J780PA	75	75@16.8	5.7@70	1007	30	310	8	86.1	n/s
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	87
Wilbert	WT 2705L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	87
Favelle Favco	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	85

## SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
COMANSA	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	2	75.9
COMANSA	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	2	75.9
COMANSA	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	2	70.9
COMANSA	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	2	70.9
COMANSA	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
COMANSA	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
COMANSA	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
COMANSA	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
COMANSA	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
COMANSA	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
COMANSA	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
COMANSA	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
COMANSA	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	310	0	103.3
COMANSA	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	310	0	103.3
COMANSA	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	194	0	104.8
COMANSA	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1

## SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
COMANSA	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	330	0	102.1
COMANSA	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9
COMANSA	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	290	0	98.9
COMANSA	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	290	0	110.8
COMANSA	21LC600 20t	20	20 @ 33.5	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC650 20t	20	20 @ 37.8	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC600 25t	25	25 @ 26.3	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC650 25t	25	25 @ 29.4	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	290	0	110.7
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC660 25t	25	25 @ 30	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 25t	25	25 @ 38.9	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC450 25t	25	25 @ 19.1	2.8 @ 80	785	40 / 80	202	0	109.3
COMANSA	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	202	0	103.7
COMANSA	21LC1050 25t	25	25 @ 46.6	11.8 @ 80	393	30 / 80	300	0	98.2
COMANSA	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 32t	32	32 @ 50.5	16 @ 80	363	40 / 80	259	0	102.8
COMANSA	21LC660 37.5t	37.5	37.5 @ 20.5	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 37.5t	37.5	37.5 @ 26.4	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC1050 37.5t	37.5	37.5 @ 32.7	11.8 @ 80	393	30 / 80	300	0	98.2
COMANSA	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
COMANSA	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
COMANSA	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
COMANSA	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
COMANSA	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
COMANSA	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	363	40 / 80	130	0	108.3
COMANSA	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	363	40 / 80	130	0	102.8
COMANSA	21LC1400 66t	66	66 @ 26.5	9.6 @ 85	355	28.6 / 85	116	0	86.5
COMANSA	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
ENG	ETT90	5	5.0@19.1	1.35@51.0	205	18.0/51.0	82	3	42.5
ENG	ETT115	8	8.0@19.0	1.21@63.0	245	34.0/63.0	163	4	67.9
ENG	ETT145	10	10.0@18.1	1.30@65.0	252	38.0/65.0	131	5	62.5
ENG	ETT192	10	10.0@24.1	2.31@65.0	298	25.0/65.0	131	5	66
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
ENG	ETT450	24	24.0@23.2	3.30@80.0	398	30.0/80.0	173	4	90.7
ENG	ETT531	25	25.0@22.7	2.20@86.0	400	36.0/86.0	159	3	90.7
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5
Jaso	J36MAC	2	2@20.4	1@35	193	30/35	40	5	90.8
Jaso	J4010	2.5	2.5@25	1@40	193	20/40	82	5	87.8
Jaso	J4510	2.5	2.5@30	1@45	193	20/45	82	5	87.8
Jaso	J5010	2.5	2.5@35	1@50	193	20/50	82	5	87.8
Jaso	J5510	2.5	2.5@29.9	1@55	193	30@55	82	5	87.8
Jaso	J37NS	4	4.0@11.5	1.0@37.0	189	20.0/37.0	82	3	87.6
Jaso	J42NS	5	5.0@13.6	1.1@42.0	189	20.0/42.0	82	2.5	87.6
Jaso	J47NS	5	5.0@15.2	1.0@47.0	189	20.0/47.0	100	4	88.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	12.5	82.4
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	12.5	82.9
Jaso	J150.8.2R	8	8.0@22.7	1.4@65	352	27.5/65	160	12.5	81.5
Jaso	J120.10	10	10.0@17.1	1.6@60	534	27.5/60	80	12.5	85.6

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Jaso	150.10	10	10.0@19.4	1.6@65	534	27.5/65	80	12.5	81.5
Jaso	160.10	10	10.0@17.0	1.7@65	534	30/65	80	12.3	83.2
Jaso	J185	10	10.0@17.6	2.0@65	534	30/65	80	12.5	83.1
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	17.5	93.4
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	17.5	93.4
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145	13	90.7
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115	10	90.7
Jaso	J420	24	24.0@23.2	2.5@85	828	30/85	205	14	83.8
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	83.8
Jaso	J600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	80.8
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
Jaso	J 1400	64	64.0@24.3	10.5@80	456	25/80	94	9	69.3
Liebherr	71 EC-B 5 FR.tronic	5	5.00@16.9	1.00@50.0	260	20 to 50	149	0	45.7
Liebherr	85 EC-B 5 (2/4)	5	5.00@16.4	1.30@50	278	20 to 50	80	0	47.8
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	149	0	47.8
Liebherr	125 EC-B 6	6	6.00@22,3	1,6@58	250	20 to 58	123	0	61.5
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Liebherr	220 EC-B 10	10	10.00@23.5	2.25@68	321	24,4 to 68	230	0	75.2
Liebherr	240 EC-B 10 Fibre	10	10.00@23.9	2.5@68	277	24,4 to 68	143	0	75.2
Liebherr	220 EC-B 12	12	12.00@19.5	2.05@68	325	24,4 to 68	192	0	73.1
Liebherr	240 EC-B 12 Fibre	12	12.00@20.00	2.4@68	269	24,4 to 68	119	0	73.1
Liebherr	250 EC-B 12 Litronic	12	12.00@25.7	2.25@70.00	325	24,4 to 70	266	0	87.2
Liebherr	278 EC-B 12 Fibre	12	12.00@26.9	2.85@70	269	24,4 to 70	119	0	90.1
Liebherr	340 EC-B 12	12	12.00@28	2.4@78	325	24,4 to 78	267	0	94.6
Liebherr	370 EC-B 12 Fibre	12	12.00@31	2.8@78	269	24,4 to 78	272	0	94.6
Liebherr	380 EC-B 12 Litronic	12	12.00@34.80	3.70@75.0	325	30 to 75	266	0	92.3
Liebherr	380 EC-B 16 Litronic	16	16.00@26.3	3.40@75.0	276	30 to 75	243	0	92.3
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41,5 to 81,5	191	0	86.9
Liebherr	550 EC-H 40 Litronic	40	40.00@18.90	4.00@81.5	520	40 to 81,5	191	0	85.5
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81,4	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34,5 to 81,4	191	0	88.4
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	38,8 to 81	95	0	79
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.4	334	36 to 81,4	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.1	11.00@81.4	334	34,5 to 81,4	154	0	85.5
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	38,8 to 81	77	0	79
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.4	226	48 to 81,4	105	0	91.8
Liebherr	3150 HC 60	60	60.00@53.00	32.00@80.0	226	39,2 to 80	105	0	73.8
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	59,2 to 96	136	0	67.6
Liebherr	1000 EC-B 100 Litronic	100	100.00@11	9.6@46,5	257	31.5 to 46.5	32	0	85.1
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	19.35@31.5	257	36.5 to 36.5	22	0	110.8
Liebherr	280 EC-H 12 Litronic	12							
Liebherr	340 EC-B 16	16	16.00@21	2.1@78	276	24,4 to 78	192	0	94.6
Liebherr	420 EC-H 16 Litronic	16	16.00@30	3.7@75	276	40 to 75	150	0	87.1
Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s	53.5
Potain	MDT139	6	6@24.8	1.9@55	n/s	55	163	n/s	54.7
Potain	MDT189	8	8@24.5	1.8@60m	n/s	60	121	n/s	68.6
Potain	MDT219 J8	8	8@29.2	1.95@65m	n/s	65	121	n/s	66.8
Potain	MDT219 J10	10	10@21.7	1.9@60m	n/s	65	100	n/s	66.8
Potain	MDT 249 J10	10	10@24.6	2.75@65m	n/s	65	215	n/s	43.3
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s	69
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s	66.2
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s	69

## SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s	68.9
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s	70.6
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s	95.7
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	167	n/s	94
Potain	MDT 569 M20	20	20 @ 30	4.2t @ 80	n/s	80	195	n/s	85.9
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	245.5	n/s	87.8
Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s	73.2
Potain	MDT 569 M25	25	25 @ 26	4.2t @ 80	n/s	80	195	n/s	85.9
Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s	77.4
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	192	n/s	87.8
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	192	n/s	73.2
Potain	MD 689 M25	25	25 @ 29.3	6.7 @ 80	n/s	80	192	n/s	87.7
Potain	MDT 569 M32	32	32 @ 20.1	3.6 @ 80	n/s	80	151	n/s	85.9
Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s	77.4
Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s	77.4
Potain	MD 689 M40	40	40 @ 18.5	6.0 @ 80	n/s	80	162	n/s	87.7
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	87.4
Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	124	n/s	94.2
Potain	MD 2200	64	64@35	23.5@80	n/s	80	124	n/s	104.5
Potain	MD 3200	80	80@37	38.7@70	n/s	85	160	n/s	104.5
Potain	MCT 68	3	3@20	1.1@46	n/s	46	86	n/s	51.6
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	50.5
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s	66.2
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s	43.3
Potain	MDT349 L12	12	12 @30	3.2 @75	n/s	75	220	n/s	69.2
Potain	MDT349 L16	16	16 @ 22.5	3 @ 75	n/s	75	167	n/s	69.2
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7
Saez	TLS 55-17 6T	6	6@21.2	1.92@55	190	20/55	100	8	107.7
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186		93.4
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138		93.4
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	91.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	68.6
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	91.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	75.8
Terex	CTT 721B-40	40	40@21.9	4.65@80	239	39/84	146	0	79.4
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6
Wilbert	WT 180 e.tronic	8	8@30	1.8@65	160	25/65	170	n/s	100
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 360 e.tronic	16	16@27.5	2.8@77.5	610	25/77.5	170	n/s	100
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7
Wilbert	WT 720 e.tronic	32	32@25	5.8@85	500	25/85	240	n/s	100
WOLFFKRAN	WOLFF 133.6 B	6.2	6.2@28.7	2.5@45	400	25/45	160	44	125.6
WOLFFKRAN	WOLFF 133.8 B	8	8.0@22.8	2.3@45	500	25/45	158	55	125.6
WOLFFKRAN	WOLFF 166 B US	12	12@23	2.0@55	500	25/55	174	25	125.6
WOLFFKRAN	WOLFF 235 B	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2
WOLFFKRAN	WOLFF 275 B US	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1
WOLFFKRAN	WOLFF 355 B US	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6
WOLFFKRAN	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2
WOLFFKRAN	WOLFF 700 B US	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1
WOLFFKRAN	WOLFF 1250 B US	60	60@28.2	12.1@80.0	990	40/80	190	11	95
Zoomlion	T8030-25	25	25@20	3@80	350	30/80	150	6	91.2
Zoomlion	T600-32	32	32@15	2.5@85	350	30/85	150	6	91.2

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Jaso	J36MAC	2	2@20.4	1@35	193	30/35	40	5	90.8
Jaso	J4010	2.5	2.5@25	1@40	193	20/40	82	5	87.8
Jaso	J4510	2.5	2.5@30	1@45	193	20/45	82	5	87.8
Jaso	J5010	2.5	2.5@35	1@50	193	20/50	82	5	87.8
Jaso	J5510	2.5	2.5@29.9	1@55	193	30@55	82	5	87.8
Potain	MCT 68	3	3@20	1.1@46	n/s	46	86	n/s	51.6
COMANSA	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	2	75.9
COMANSA	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	2	75.9
COMANSA	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	2	70.9
COMANSA	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	2	70.9
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
Jaso	J37NS	4	4.0@11.5	1.0@37.0	189	20.0/37.0	82	3	87.6
COMANSA	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
COMANSA	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
COMANSA	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
COMANSA	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
COMANSA	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
COMANSA	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
ENG	ETT90	5	5.0@19.1	1.35@51.0	205	18.0/51.0	82	3	42.5
Jaso	J42NS	5	5.0@13.6	1.1@42.0	189	20.0/42.0	82	2.5	87.6
Jaso	J47NS	5	5.0@15.2	1.0@47.0	189	20.0/47.0	100	4	88.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Liebherr	71 EC-B 5 FR.tronic	5	5.00@16.9	1.00@50.0	260	20 to 50	149	0	45.7
Liebherr	85 EC-B 5 (2/4)	5	5.00@16,4	1.30@50	278	20 to 50	80	0	47.8
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	149	0	47.8
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	50.5
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
COMANSA	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
COMANSA	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7
Liebherr	125 EC-B 6	6	6.00@22,3	1,6@58	250	20 to 58	123	0	61.5
Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s	53.5
Potain	MDT139	6	6@24.8	1.9@55	n/s	55	163	n/s	54.7
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7
Saez	TLS 55-17 6T	6	6@21.2	1.92@55	190	20/55	100	8	107.7
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6

## SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
WOLFFKRAN	WOLFF 133.6 B	6.2	6.2@28.7	2.5@45	400	25/45	160	44	125.6
COMANSA	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	310	0	103.3
COMANSA	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	310	0	103.3
COMANSA	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	194	0	104.8
ENG	ETT115	8	8.0@19.0	1.21@63.0	245	34.0/63.0	163	4	67.9
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	12.5	82.4
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	12.5	82.9
Jaso	J150.8.2R	8	8.0@22.7	1.4@65	352	27.5/65	160	12.5	81.5
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Potain	MDT189	8	8@24.5	1.8@60m	n/s	60	121	n/s	68.6
Potain	MDT219 J8	8	8@29.2	1.95@65m	n/s	65	121	n/s	66.8
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Wilbert	WT 180 e.tronic	8	8@30	1.8@65	160	25/65	170	n/s	100
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
WOLFFKRAN	WOLFF 133.8 B	8	8.0@22.8	2.3@45	500	25/45	158	55	125.6
COMANSA	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1
ENG	ETT145	10	10.0@18.1	1.30@65.0	252	38.0/65.0	131	5	62.5
ENG	ETT192	10	10.0@24.1	2.31@65.0	298	25.0/65.0	131	5	66
Jaso	J120.10	10	10.0@17.1	1.6@60	534	27.5/60	80	12.5	85.6
Jaso	150.10	10	10.0@19.4	1.6@65	534	27.5/65	80	12.5	81.5
Jaso	160.10	10	10.0@17.0	1.7@65	534	30/65	80	12.3	83.2
Jaso	J185	10	10.0@17.6	2.0@65	534	30/65	80	12.5	83.1
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4
Liebherr	220 EC-B 10	10	10.00@23.5	2.25@68	321	24,4 to 68	230	0	75.2
Liebherr	240 EC-B 10 Fibre	10	10.00@23.9	2.5@68	277	24,4 to 68	143	0	75.2
Potain	MDT219 J10	10	10@21.7	1.9@60m	n/s	65	100	n/s	66.8
Potain	MDT 249 J10	10	10@24.6	2.75@65m	n/s	65	215	n/s	43.3
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s	69
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s	66.2
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
COMANSA	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	330	0	102.1
COMANSA	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	17.5	93.4
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	17.5	93.4
Liebherr	220 EC-B 12	12	12.00@19.5	2.05@68	325	24,4 to 68	192	0	73.1
Liebherr	240 EC-B 12 Fibre	12	12.00@20.00	2.4@68	269	24,4 to 68	119	0	73.1
Liebherr	250 EC-B 12 Litronic	12	12.00@25.7	2.25@70.00	325	24,4 to 70	266	0	87.2
Liebherr	278 EC-B 12 Fibre	12	12.00@26.9	2.85@70	269	24,4 to 70	119	0	90.1
Liebherr	340 EC-B 12	12	12.00@28	2.4@78	325	24,4 to 78	267	0	94.6
Liebherr	370 EC-B 12 Fibre	12	12.00@31	2.8@78	269	24,4 to 78	272	0	94.6
Liebherr	380 EC-B 12 Litronic	12	12.00@34.80	3.70@75.0	325	30 to 75	266	0	92.3
Liebherr	280 EC-H 12 Litronic	12							
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s	66.2
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s	69
Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s	68.9



SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s	70.6
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s	95.7
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s	43.3
Potain	MDT349 L12	12	12 @30	3.2 @75	n/s	75	220	n/s	69.2
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
WOLFFKRAN	WOLFF 166 B US	12	12@23	2.0@55	500	25/55	174	25	125.6
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4
Liebherr	380 EC-B 16 Litronic	16	16.00@26.3	3.40@75.0	276	30 to 75	243	0	92.3
Liebherr	340 EC-B 16	16	16.00@21	2.1@78	276	24,4 to 78	192	0	94.6
Liebherr	420 EC-H 16 Litronic	16	16.00@30	3.7@75	276	40 to 75	150	0	87.1
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	167	n/s	94
Potain	MDT349 L16	16	16 @ 22.5	3 @ 75	n/s	75	167	n/s	69.2
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 360 e.tronic	16	16@27.5	2.8@77.5	610	25/77.5	170	n/s	100
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5
WOLFFKRAN	WOLFF 235 B	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145	13	90.7
COMANSA	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	290	0	98.9
COMANSA	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	290	0	110.8
COMANSA	21LC600 20t	20	20 @ 33.5	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC650 20t	20	20 @ 37.8	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	290	0	110.7
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41,5 to 81,5	191	0	86.9
Potain	MDT 569 M20	20	20 @ 30	4.2t @ 80	n/s	80	195	n/s	85.9
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	245.5	n/s	87.8
Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s	73.2
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	91.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	68.6
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2
ENG	ETT450	24	24.0@23.2	3.30@80.0	398	30.0/80.0	173	4	90.7
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115	10	90.7
Jaso	J420	24	24.0@23.2	2.5@85	828	30/85	205	14	83.8
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	83.8
Jaso	J600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	80.8
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186		93.4
WOLFFKRAN	WOLFF 275 B US	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1
COMANSA	21LC600 25t	25	25 @ 26.3	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC650 25t	25	25 @ 29.4	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC660 25t	25	25 @ 30	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 25t	25	25 @ 38.9	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC450 25t	25	25 @ 19.1	2.8 @ 80	785	40 / 80	202	0	109.3
COMANSA	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	202	0	103.7
COMANSA	21LC1050 25t	25	25 @ 46.6	11.8 @ 80	393	30 / 80	300	0	98.2
ENG	ETT531	25	25.0@22.7	2.20@86.0	400	36.0/86.0	159	3	90.7
Potain	MDT 569 M25	25	25 @ 26	4.2t @ 80	n/s	80	195	n/s	85.9
Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s	77.4
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	192	n/s	87.8
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	192	n/s	73.2

## SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Potain	MD 689 M25	25	25 @ 29.3	6.7 @ 80	n/s	80	192	n/s	87.7
Zoomlion	T8030-25	25	25@20	3@80	350	30/80	150	6	91.2
WOLFFKRAM	WOLFF 355 B US	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6
COMANSA	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 32t	32	32 @ 50.5	16 @ 80	363	40 / 80	259	0	102.8
Potain	MDT 569 M32	32	32 @ 20.1	3.6 @ 80	n/s	80	151	n/s	85.9
Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s	77.4
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138		93.4
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	91.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	75.8
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7
Wilbert	WT 720 e.tronic	32	32@25	5.8@85	500	25/85	240	n/s	100
Zoomlion	T600-32	32	32@15	2.5@85	350	30/85	150	6	91.2
COMANSA	21LC660 37.5t	37.5	37.5 @ 20.5	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 37.5t	37.5	37.5 @ 26.4	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC1050 37.5t	37.5	37.5 @ 32.7	11.8 @ 80	393	30 / 80	300	0	98.2
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5
Liebherr	550 EC-H 40 Litronic	40	40.00@18.30	4.00@81.5	520	40 to 81.5	191	0	85.5
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81.4	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34,5 to 81,4	191	0	88.4
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	38,8 to 81	95	0	79
Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s	77.4
Potain	MD 689 M40	40	40 @ 18.5	6.0 @ 80	n/s	80	162	n/s	87.7
Terex	CTT 721B-40	40	40@21.9	4.65@80	239	39/84	146	0	79.4
WOLFFKRAM	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2
COMANSA	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
COMANSA	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
COMANSA	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
COMANSA	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
COMANSA	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.4	334	36 to 81.4	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.1	11.00@81.4	334	34,5 to 81.4	154	0	85.5
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	38,8 to 81	77	0	79
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	87.4
WOLFFKRAM	WOLFF 700 B US	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.4	226	48 to 81.4	105	0	91.8
Liebherr	3150 HC 60	60	60.00@53.00	32.00@80.0	226	39,2 to 80	105	0	73.8
WOLFFKRAM	WOLFF 1250 B US	60	60@28.2	12.1@80.0	990	40/80	190	11	95
COMANSA	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	363	40 / 80	130	0	108.3
COMANSA	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	363	40 / 80	130	0	102.8
Jaso	J 1400	64	64.0@24.3	10.5@80	456	25/80	94	9	69.3
Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	124	n/s	94.2
Potain	MD 2200	64	64@35	23.5@80	n/s	80	124	n/s	104.5
COMANSA	21LC1400 66t	66	66 @ 26.5	9.6 @ 85	355	28.6 / 85	116	0	86.5
Potain	MD 3200	80	80@37	38.7@70	n/s	85	160	n/s	104.5
COMANSA	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	59.2 to 96	136	0	67.6
Liebherr	1000 EC-B 100 Litronic	100	100.00@11	9.6@46,5	257	31.5 to 46.5	32	0	85.1
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	19.35@31.5	257	36.5 to 36.5	22	0	110.8

## SELF-ERECTING BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Max Hoist Speed (m/min)
ENG	GTA17	1.5	1.5@10.82	0.6@22.0	16.5	20 to 22	34
ENG	GTA22	2	2.0@11.7	0.75@25.0	23	23 to 25	36
ENG	GTA30	2	2.0@14.75	0.80@29.0	25.5	25 to 29	40
ENG	GTA45.B	4	4.0@11.40	1.0@32.0	27.4	28 to 32	48
ENG	GTA52	4	4.0@13.25	1.0@36.0	27	28 to 36	48
ENG	GTA54	4	4.0@12.20	1.0@38.0	31.9	33.2 to 38	48
ENG	GTA60	4	4.0@13.30	1.0@41.8	27	35 to 41.8	48
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40
Liebherr	L1-24	2.5	2.5@11.4	0.8@27	19.2	22 to 27	51
Liebherr	L1-32	4	4@10.6	1.05@30	21.3	25 to 30	57
Liebherr	34 K (2/4)	4	4.00@11.04	1.00@33.0	27	25.5 to 33	51.4
Liebherr	42 K.1 (2/4)	4	4.00@14.4	1.10@36.0	28	25.5 to 36	53.3
Liebherr	42 KR.1 (2/4)	4	4.00@14.4	1.10@36.0	28	25.5 to 36	53.3
Liebherr	53 K (2/4)	4.2	4.20@15.3	1.00@40.0	30.4	28 to 40	89
Liebherr	65 K.1	4.5	4.50@17.60	1.35@43.0	34.6	28 to 43	74.1
Liebherr	81 K.1	6	6.00@16.3	1.35@48.0	40.4	31 to 48	76.1
Liebherr	125 K	8	8.00@16.3	1.3@55	41.5	35 to 55	66.3
Liebherr	MK 88-4.1	8	8.00@12.0	2.20@45.0	30.2	45	75
Liebherr	MK 140	8	8.00@14.5	1.00@65.0	37.7	58.3 to 65	n/s
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Hup M 28-22	2.2	2.2@12.7	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63
Terex	CBR 21H	1.6	1.6@10	0.6	18.2	11.2-21	36
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46
Terex	CBR 40H	4	4@14.5	1	25.6	27.2-40	46
Vicario	22-AR	1.8	1.8@8.64	0.6@21.9	17.2	10.7-21.9	37
Vicario	24-AR	1.8	1.8@8.8	.5@24	17.2	11.8-24	37
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Vicario	30-A	4	4@9.6	1@30	24	14-30	56
Vicario	34-A	4	4@10.9	1@34	25	14-34	56
Vicario	370	4	4@12.4	1@38	25.5	28-38	56
Vicario	340	4	4@13.45	1@42	26	28-42	56
Vicario	45-A	4	4@14.45	1@45	27	30-45	56

## SELF-ERECTING BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Max Hoist Speed (m/min)
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5
ENG	GTA17	1.5	1.5@10.82	0.6@22.0	16.5	20 to 22	34
Liebherr	13 HM.1	1.5	1.5@10.4	0.50@22.0	16	20 to 22	25
Terex	CBR 21H	1.6	1.6@10	0.6	18.2	11.2-21	36
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Vicario	22-AR	1.8	1.8@8.64	0.6@21.9	17.2	10.7-21.9	37
Vicario	24-AR	1.8	1.8@8.8	.5@24	17.2	11.8-24	37
ENG	GTA22	2	2.0@11.7	0.75@25.0	23	23 to 25	36
ENG	GTA30	2	2.0@14.75	0.80@29.0	25.5	25 to 29	40
Liebherr	22 HM	2	2.0@13.5	0.70@27.0	19	25 to 27	40
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36
Potain	Hup M 28-22	2.2	2.2@12.7	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Liebherr	L1-24	2.5	2.5@11.4	0.8@27	19.2	22 to 27	51
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40
ENG	GTA45.B	4	4.0@11.40	1.0@32.0	27.4	28 to 32	48
ENG	GTA52	4	4.0@13.25	1.0@36.0	27	28 to 36	48
ENG	GTA54	4	4.0@12.20	1.0@38.0	31.9	33.2 to 38	48
ENG	GTA60	4	4.0@13.30	1.0@41.8	27	35 to 41.8	48
Liebherr	L1-32	4	4@10.6	1.05@30	21.3	25 to 30	57
Liebherr	34 K (2/4)	4	4.0@11.04	1.00@33.0	27	25.5 to 33	51.4
Liebherr	42 K.1 (2/4)	4	4.0@14.4	1.10@36.0	28	25.5 to 36	53.3
Liebherr	42 KR.1 (2/4)	4	4.0@14.4	1.10@36.0	28	25.5 to 36	53.3
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46
Terex	CBR 40H	4	4@14.5	1	25.6	27.2-40	46
Vicario	30-A	4	4@9.6	1@30	24	14-30	56
Vicario	34-A	4	4@10.9	1@34	25	14-34	56
Vicario	370	4	4@12.4	1@38	25.5	28-38	56
Vicario	340	4	4@13.45	1@42	26	28-42	56
Vicario	45-A	4	4@14.45	1@45	27	30-45	56
Liebherr	53 K (2/4)	4.2	4.2@15.3	1.00@40.0	30.4	28 to 40	89
Liebherr	65 K.1	4.5	4.5@17.60	1.35@43.0	34.6	28 to 43	74.1
Liebherr	81 K.1	6	6.0@16.3	1.35@48.0	40.4	31 to 48	76.1
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69
Liebherr	125 K	8	8.0@16.3	1.3@55	41.5	35 to 55	66.3
Liebherr	MK 88-4.1	8	8.0@12.0	2.20@45.0	30.2	45	75
Liebherr	MK 140	8	8.0@14.5	1.00@65.0	37.7	58.3 to 65	n/s
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63

## ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
Effer	65	5,835	7 ft 11 in	46 ft 1 in	34 ft 1 in	78 in	1,740	2.9
Effer	80	6,250	8 ft 4 in	46 ft 4 in	35 ft 4 in	82 in	2,015	3.1
Effer	100	7,735	7 ft 11 in	45 ft 7 in	34 ft 7 in	85 in	2,380	3.8
Effer	145	9,180	9 ft 8 in	66 ft 1 in	55 ft 1 in	89 in	3,679	4.6
Effer	165	10,955	9 ft 2 in	65 ft 4 in	54 ft 4 in	90 in	4,010	5.5
Effer	225	15,990	9 ft 8 in	60 ft 0 in	55 ft 7 in	92 in	6,250	8.1
Effer	265	17,855	9 ft 8 in	67 ft 7 in	55 ft 7 in	92 in	6,250	8.9
Effer	315	22,640	8 ft 10 in	81 ft 9 in	69 ft 9 in	93 in	7,195	11.3
Effer	375	24,165	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.1
Effer	395	25,570	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.8
Effer	455/505	31,305	9 ft 10 in	82 ft 9 in	70 ft 9 in	96 in	11,195	15.6
Effer	655/685	41,300	9 ft 6 in	87 ft 5 in	75 ft 5 in	97 in	12,420	20.6
Effer	1355	51,145	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,445	25.5
Effer	1405	52,025	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,545	29.4
Effer	855	52,685	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	26.3
Effer	955	54,780	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	27.3
Effer	2655	60,185	15 ft 0 in	104 ft 11 in	90 ft 0 in	108 in	37,367	37.6
Effer	1750	63,380	14 ft 2 in	76 ft 8 in	64 ft 8 in	104 in	26,565	37.2
Effer	1855	65,035	14 ft 2 in	84 ft 2 in	72 ft 2 in	104 in	26,715	38.2
Effer	2055	71,205	13 ft 2 in	84 ft 2 in	71 ft 5 in	106 in	28,395	38.9
Effer	2255	66,135	14 ft 5 in	98 ft 5 in	141 ft 10 in	111 in	39,903	39.7
Effer	2755	108,025	9 ft 11 in	45 ft 11 in	36 ft 10 in	83 in	56,980	54.1
Fassi	F22A.0.22	2,193	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881	1
Fassi	F28A.0.23	2,193	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1,025	1
Fassi	F38A.0.23	2,193	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1,267	1
Fassi	M10A 12	2,194	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396	1
Fassi	M30A 13	4,404	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573	2
Fassi	F50A.0.24	5,004	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1,653	2.5
Fassi	F600SE.44	6,600	1,390 lbs @ 100 ft	1,121 ft	100'	95"	17,195	3.3
Fassi	F65B.1.24	6,832	640 lbs @ 41 ft 11 in	46 ft 2 in	24ft 6in	6 ft 3 in	2,050	3
Fassi	F85B.0.24	8,377	903 lbs @ 43 ft 31 in	50 ft 4 in	30 ft 7 in	6 ft 5 in	2,579	4
Fassi	F425SE.04	9,000	3,550 @ 61'	72 ft 11 in	61'	95"	10,000	4.5
Fassi	F95B.0.24	9,744	220 lbs @ 59 ft 6 in	66 ft 8 in	30 ft 6 in	7 ft 2 in	3,593	5
Fassi	F135A.2.26	10,251	110 lbs @ 81 ft 4 in	89 ft	40 ft 4 in	7 ft 9 in	5,423	5
Fassi	F155A.0.26	11,023	220 lbs @ 81 ft 4 in	89 ft	45 ft 4 in	7 ft 9 in	6,172	5
Fassi	F175A.2.26	11,794	242 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495	6
Fassi	F115A 24	11,904	396 lbs @ 59 ft 2 in	66 ft 2 in	30 ft 6 in	7 ft 2 in	4,309	6
Fassi	F135A.0.25	12,632	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,783	6
Fassi	F195A.2.26	12,896	286 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495	6.5
Fassi	F215A.2.26	13,668	330 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,716	7
Fassi	F155A.0.25	13,911	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,795	7
Fassi	F175A.0.25	17,636	220 lbs @ 80 ft 6 in	88 ft	37 ft 8 in	7 ft 10 in	6,547	8.5
Fassi	F245A.2.28	17,636	473 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500	8.5
Fassi	F275A.2.28	17,636	606 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500	8.5
Fassi	F195A.0.25	19,102	330 lbs @ 80 ft 8 in	88 ft	43 ft 8 in	7 ft 10 in	6,889	9.5
Fassi	F245A.0.26	19,620	551 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500	9.5
Fassi	F295A.2.28	19,841	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F295RA.2.28	19,841	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F215A.0.25	20,657	385 lbs @ 80 ft 6 in	88 ft	43 ft 8 in	7 ft 10 in	6,889	10
Fassi	F335A.2.28	20,943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F335RA.2.28	20,943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F385A.2.28	26,455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500	13
Fassi	F385RA.2.28	26,455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500	13
Fassi	F275A.0.26	29,762	617 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500	9.5
Fassi	F455A.2.28	29,762	485 lbs @ 101 ft 10 in	106ft	72 ft 11 in	8 ft 6 in	13,558	15
Fassi	F455RA.2.28	29,762	485 lbs @ 101 ft 10 in	106ft	72 ft 11 in	8 ft 6 in	13,558	15
Fassi	F515RA.2.28	35,273	661 lbs @ 100 ft 5 in	106ft	75 ft 9 in	8 ft 6 in	13,558	16.5
Fassi	F660RA.2.28	35,273	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	15,000	17.5
Fassi	F800RA.2.28	48,501	727 lbs @ 109 ft 10 in	124 ft	75 ft 9 in	8 ft 6 in	17,600	24

## ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum	Maximum	Powered	Folded	Installed	Capacity US tons
			Radius (feet/inches)	Hook Height (feet/inches)	Boom Length (feet/inches)	Height (feet/inches)	Weight (pounds)	
Fassi	F950RA.2.28	48,501	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	19,000	24
Fassi	F1100RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	23,000	27.5
Fassi	F1300RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500	27.5
Fassi	F1950RAL.2.28	58,973	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	29
Fassi	F2150RAL.2.28	63,272	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	32
Fassi	F1500RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35,000	33
Fassi	F1950RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	78 ft 5 in	8 ft 6 in	40,000	44
Franna	AT 15-3	33,000	2300 lb at 52 ft	55 ft 9 in	45 ft 5 in	9 ft 10 in	35,300	17
Franna	AT 22	48,500	3700 lb at 51 ft 10 in	55 ft 9 in	45 ft 5 in	10 ft 2 in	44,100	24
Franna	MAC 25-4	55,100	3900 lb at 51 ft 6 in	59 ft	60 ft 5 in	10 ft 2 in	52,700	27
Franna	AT 40	88,100	6600 lb at 51 ft 5 in	62 ft 4 in	65 ft	11 ft 5 in	65,100	44
IMT	2.5/18	1,740	715 lb (325 kg) @ 22'8"	28' 1" (8.6 m)	23' (7 m)	5 ft	895 lb (405 kg)	0.87
IMT	3.2/23	2,195	960 lb (435 kg) @ 23'4"	29' 3" (8.9 m)	23 ft 7 in (7.2 m)	5 ft 3 in	920 lb (418 kg)	1.1
IMT	610 MCS/RC	6,526	948 lb (430 kg) @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3
IMT	710 RCS	6,526	992 lb @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3.4
IMT	810 MCS/RC	8,245	1268 lb (575 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
IMT	910 RCS	8,509	1323 lb (600 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	4.2
IMT	1030 MCS	9,281	1102 lb (500 kg) @ 45'6"	53' 4" (16.3 m)	45' 6" (13.9 m)	7 ft	2172 lb (985 kg)	4.3
IMT	10/72 SL	9,722	1190 lb (540 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2172 lb (985kg)	4.6
IMT	1230 MCS	10,163	1213 lb (550 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	4.6
IMT	10/72 DL	10,384	1124 lb (510 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2005 lb (1000 kg)	4.6
IMT	12/86 SL	10,626	1301 lb (590 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	5
IMT	12/86 DL	10,670	1279 lb (580 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2458 lb (1115 kg)	5.1
IMT	1430 MCS	11,023	926 lb (420 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.1
IMT	1610 RCS	11,684	1169 lb ( 530 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.5
IMT	1620 RCS	12,280	1146 lb ( 520 kg) @ 56'4"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2,999 lb (1360 kg)	5.9
IMT	1910 RCS	13,448	1543 lb ( 700 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3021 lb (1370 kg)	5.9
IMT	32/222	15,058	1764 lb ( 800 kg) @ 69'6"	77' 10" (23.7 m)	69' 11" (21.3 m)	7 ft 9 in	5710 lb (2590 kg)	9.5
IMT	1920 RCS	15,631	1543 lb ( 700 kg) @ 48'11"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3131 lb (1420 kg)	6.4
IMT	2310 RCS	16,204	1080 lb ( 490 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	3869 lb (1800 kg)	6.7
IMT	40/275	19,025	2225 lb ( 1010 kg) @ 69'10"	79' 1" (24.1 m)	69' 11" (21.3 m)	7 ft 10 in	6945 lb (3150 kg)	9.7
IMT	2810 RCS	20,018	1521 lb ( 690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4178 lb (1895 kg)	7.4
IMT	2320 RCS	20,260	1080 lb ( 490 kg) @ 70'5"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4145 lb (1880 kg)	6.9
IMT	2820 RCS	20,260	1521 lb ( 690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4365 lb (1980 kg)	7.4
IMT	50/345	22,840	3085 lb ( 1400 kg) @ 70'3"	78' 11" (24.1 m)	70' 3" (21.4 m)	7 ft 10 in	7959 lb (3610 kg)	11.4
IMT	7020	30,490	4519 lb ( 2050 kg) @ 66'11"	76' 1" (23.2 m)	67' 7" (20.6 m)	8 ft 1 in	9844 lb (4465 kg)	13.9
IMT	9520	40,433	6305 lb ( 2860 kg) @ 65'11"	72' 2" (22 m)	66' 7" (20.3 m)	8 ft 2 in	12,500 lb (5670 kg)	17.2
Manitex Articulating Crane (MAC)	8.5 P	4,410	540 @ 41 ft 0 in	50 ft 3 in	34 ft 5 in	6 ft 3 in	1945	2.205
Manitex Articulating Crane (MAC)	9.5 P	5,290	760 @ 41 ft 10 in	51 ft	40 ft 8 in	6 ft 6 in	2,340	2.6
Manitex Articulating Crane (MAC)	16.5 S	8,070	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,255	4.035
Manitex Articulating Crane (MAC)	28.5 SP	13,510	1480 @ 70 ft 8 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,732	6.75
Manitex Articulating Crane (MAC)	38.5 SP	17,990	2160 @ 70 ft 8 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,835	8.995
Manitex Articulating Crane (MAC)	47.5 SP	27,340	2570 @ 76 ft 1 in	112 ft 7 in	100 ft 7 in	8 ft 2 in	9,205	13.67
Manitex Articulating Crane (MAC)	48.5 SP	27,340	2570 @ 76 ft 7 in	113 ft	101 ft 1 in	8 ft 2 in	9,625	13.67
Manitex Articulating Crane (MAC)	65 SP	30,530	3970 @ 71 ft 6 in	119 ft	101 ft 10 in	8 ft 4 in	13,151	15.26
Manitex Articulating Crane (MAC)	58.5 SP	32,740	3120 @ 76 ft 7 in	118ft	106 ft 4 in	8 ft 2 in	10,430	16.37
Manitex Articulating Crane (MAC)	100 SP	42,220	6080 @ 73 ft 10 in	121 ft 9 in	109 ft 9 in	8 ft 2 in	16,790	21.11
Manitex Articulating Crane (MAC)	210 SP	48,150	8440 @ 86 ft 7 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085	24.075
Manitex Articulating Crane (MAC)	150 SP	54,010	8430 @ 71 ft 10 in	138 ft	113 ft 4 in	8 ft 8 in	24,585	27
Palfinger	PK 3400	2,180	490@32 ft 2 in	n/s	32 ft 2 in	n/s	985	
Palfinger	PK 4200	2,183	660@36 ft 5 in	n/s	36 ft 5 in	n/s	1082	
Palfinger	PC 1500	2,200	950@10 ft 2 in	n/s	10 ft 2 in	n/s	375	
Palfinger	PC 2700	4,400	1100@16 ft 6 in	n/s	16 ft 6 in	n/s	478	
Palfinger	PC 3800	4,400	1600@16 ft 6 in	n/s	16 ft 6 in	n/s	570	
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1,530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1,650	3.31
Palfinger	PK 5.501 SLD	7,300	750@36 ft 5 in	n/s	36 ft 5 in	n/s	1,600	
Palfinger	PK 7.501 SLD	7,300	1060@36 ft 9 in	n/s	36 ft 9 in	n/s	1,720	
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2,770	6.2

## ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum	Maximum	Powered	Folded	Installed	Capacity US tons
			Radius (feet/inches)	Hook Height (feet/inches)	Boom Length (feet/inches)	Height (feet/inches)	Weight (pounds)	
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2,320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2,510	5.7
Palfinger	PK 12.501 SLD	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2,580	5.7
Palfinger	PK 9.501 SLD	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2,380	5.71
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2,425	6.3
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3,890	5.98
Palfinger	PK 14002-EH	13,200	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3,940	5.98
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4,120	6.2
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4,170	6.2
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5,270	6.1
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5,270	6.1
Palfinger	PK 14.501 SLD	13,670	1700@39 ft 6 in	n/s	48 ft 7 in	n/s	3,390	6.835
Palfinger	PK 13.501 SLD	13,700	1300@48 ft 7 in	n/s	48 ft 7 in	n/s	3,330	6.85
Palfinger	PK 17.001 SLD	13,700	1820@48 ft 7 in	n/s	48 ft 7 in	n/s	3,675	6.85
Palfinger	PK 19.001 SLD	13,700	2100@48 ft 7 in	n/s	47 ft 11 in	n/s	4,670	6.85
Palfinger	PK 21.501 SLD	13,700	2400@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	
Palfinger	PK 24.001 SLD	13,700	2700@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 35.502 TEC	22,046	2000@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	
Palfinger	PK 37.002 TEC	22,046	2150@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 34002-SH	22,100	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6,460	10.02
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	11
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	14.2
Palfinger	PK 42002-SH	32,848	2600@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	
Palfinger	PK 46002	34,170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	17.085
Palfinger	PK 45.002 TEC	34,390	2800@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	
Palfinger	PK 48.002 TEC	34,390	3050@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	16.79
Palfinger	PK 53002-SH	39,462	3476@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	
Palfinger	PK 55.002 TEC	41,890	3650@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	
Palfinger	PK 58.002 TEC	41,890	3950@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	22
Palfinger	PK 65002-SH	48,500	4600@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	24.25
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13,029	23
Palfinger	PK 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13,025	27.56
Palfinger	PK 110002-SH	66,140	6900@72 ft 2 in	n/s	72 ft 2 in	n/s	19,466	33.07
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	30
Palfinger	PK 92002-SH	66,200	5400@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	33.1
Palfinger	PK 135.002 TEC	66,200	8400@72 ft 0 in	n/s	72 ft 0 in	n/s	22,420	
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70,600	35.3
Palfinger	PK 200002L-SH	88,200	8700@ 84 ft 0 in	n/s	83 ft 12 in	n/s	n/s	44.1

## ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum	Maximum	Powered	Folded	Installed	Capacity US tons
			Radius (feet/inches)	Hook Height (feet/inches)	Boom Length (feet/inches)	Height (feet/inches)	Weight (pounds)	
IMT	2.5/18	1,740	715 lb (325 kg) @ 22'8"	28' 1" (8.6 m)	23' (7 m)	5 ft	895 lb (405 kg)	0.87
Palfinger	PK 3400	2,180	490@32 ft 2 in	n/s	32 ft 2 in	n/s	985	
Palfinger	PK 4200	2,183	660@36 ft 5 in	n/s	36 ft 5 in	n/s	1082	
Fassi	F22A.0.22	2,193	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881	1
Fassi	F28A.0.23	2,193	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1,025	1
Fassi	F38A.0.23	2,193	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1,267	1
Fassi	M10A 12	2,194	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396	1
IMT	3.2/23	2,195	960 lb (435 kg) @ 23'4"	29' 3" (8.9 m)	23 ft 7 in (7.2 m)	5 ft 3 in	920 lb (418 kg)	1.1
Palfinger	PC 1500	2,200	950@10 ft 2 in	n/s	10 ft 2 in	n/s	375	

## ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum	Maximum	Powered	Folded	Installed	Capacity US tons
			Radius (feet/inches)	Hook Height (feet/inches)	Boom Length (feet/inches)	Height (feet/inches)	Weight (pounds)	
Palfinger	PC 2700	4,400	1100@16 ft 6 in	n/s	16 ft 6 in	n/s	478	
Palfinger	PC 3800	4,400	1600@16 ft 6 in	n/s	16 ft 6 in	n/s	570	
Fassi	M30A 13	4,404	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573	2
Manitex Articulating Crane (MAC)	8.5 P	4,410	540 @ 41 ft 0 in	50 ft 3 in	34 ft 5 in	6 ft 3 in	1945	2.205
Fassi	F50A.0.24	5,004	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1,653	2.5
Manitex Articulating Crane (MAC)	9.5 P	5,290	760 @ 41 ft 10 in	51 ft	40 ft 8 in	6 ft 6 in	2,340	2.6
Effer	65	5,835	7 ft 11 in	46 ft 1 in	34 ft 1 in	78 in	1,740	2.9
Effer	80	6,250	8 ft 4 in	46 ft 4 in	35 ft 4 in	82 in	2,015	3.1
IMT	610 MCS/RC	6,526	948 lb (430 kg) @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3
IMT	710 RCS	6,526	992 lb @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3.4
Fassi	F600SE.44	6,600	1,390 lbs @ 100 ft	1,121 ft	100'	95"	17,195	3.3
Fassi	F65B.1.24	6,832	640 lbs @ 41 ft 11 in	46 ft 2 in	24ft 6in	6 ft 3 in	2,050	3
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1,530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1,650	3.31
Palfinger	PK 5.501 SLD	7,300	750@36 ft 5 in	n/s	36 ft 5 in	n/s	1,600	
Palfinger	PK 7.501 SLD	7,300	1060@36 ft 9 in	n/s	36 ft 9 in	n/s	1,720	
Effer	100	7,735	7 ft 11 in	45 ft 7 in	34 ft 7 in	85 in	2,380	3.8
Manitex Articulating Crane (MAC)	16.5 S	8,070	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,255	4.035
IMT	810 MCS/RC	8,245	1268 lb (575 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
Fassi	F85B.0.24	8,377	903 lbs @ 43 ft 31 in	50 ft 4 in	30 ft 7 in	6 ft 5 in	2,579	4
IMT	910 RCS	8,509	1323 lb (600 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	4.2
Fassi	F425SE.04	9,000	3,550 @ 61'	72 ft 11 in	61'	95"	10,000	4.5
Effer	145	9,180	9 ft 8 in	66 ft 1 in	55 ft 1 in	89 in	3,679	4.6
IMT	1030 MCS	9,281	1102 lb (500 kg) @ 45'6"	53' 4" (16.3 m)	45' 6" (13.9 m)	7 ft	2172 lb (985 kg)	4.3
IMT	10/72 SL	9,722	1190 lb (540 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2172 lb (985kg)	4.6
Fassi	F95B.0.24	9,744	220 lbs @ 59 ft 6 in	66 ft 8 in	30 ft 6 in	7 ft 2 in	3,593	5
IMT	1230 MCS	10,163	1213 lb (550 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	4.6
Fassi	F135A.2.26	10,251	110 lbs @ 81 ft 4 in	89 ft	40 ft 4 in	7 ft 9 in	5,423	5
IMT	10/72 DL	10,384	1124 lb (510 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2005 lb (1000 kg)	4.6
IMT	12/86 SL	10,626	1301 lb (590 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	5
IMT	12/86 DL	10,670	1279 lb (580 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2458 lb (1115 kg)	5.1
Effer	165	10,955	9 ft 2 in	65 ft 4 in	54 ft 4 in	90 in	4,010	5.5
Fassi	F155A.0.26	11,023	220 lbs @ 81 ft 4 in	89 ft	45 ft 4 in	7 ft 9 in	6,172	5
IMT	1430 MCS	11,023	926 lb (420 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.1
IMT	1610 RCS	11,684	1169 lb ( 530 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.5
Fassi	F175A.2.26	11,794	242 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495	6
Fassi	F115A 24	11,904	396 lbs @ 59 ft 2 in	66 ft 2 in	30 ft 6 in	7 ft 2 in	4,309	6
IMT	1620 RCS	12,280	1146 lb ( 520 kg) @ 56'4"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2,999 lb (1360 kg)	5.9
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2,770	6.2
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2,320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2,510	5.7
Palfinger	PK 12.501 SLD	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2,580	5.7
Palfinger	PK 9.501 SLD	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2,380	5.71
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2,425	6.3
Fassi	F135A.0.25	12,632	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,783	6
Fassi	F195A.2.26	12,896	286 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495	6.5
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3,890	5.98
Palfinger	PK 14002-EH	13,200	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3,940	5.98
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4,120	6.2
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4,170	6.2
IMT	1910 RCS	13,448	1543 lb ( 700 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3021 lb (1370 kg)	5.9
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5,270	6.1
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5,270	6.1
Manitex Articulating Crane (MAC)	28.5 SP	13,510	1480 @ 70 ft 8 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,732	6.75
Fassi	F215A.2.26	13,668	330 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,716	7
Palfinger	PK 14.501 SLD	13,670	1700@39 ft 6 in	n/s	48 ft 7 in	n/s	3,390	6.835
Palfinger	PK 13.501 SLD	13,700	1300@48 ft 7 in	n/s	48 ft 7 in	n/s	3,330	6.85
Palfinger	PK 17.001 SLD	13,700	1820@48 ft 7 in	n/s	48 ft 7 in	n/s	3,675	6.85
Palfinger	PK 19.001 SLD	13,700	2100@48 ft 7 in	n/s	47 ft 11 in	n/s	4,670	6.85



ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum	Maximum	Powered	Folded	Installed	Capacity US tons
			Radius (feet/inches)	Hook Height (feet/inches)	Boom Length (feet/inches)	Height (feet/inches)	Weight (pounds)	
Palfinger	PK 21.501 SLD	13,700	2400@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	
Palfinger	PK 24.001 SLD	13,700	2700@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	
Fassi	F155A.0.25	13,911	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,795	7
IMT	32/222	15,058	1764 lb ( 800 kg) @ 69'6"	77' 10" (23.7 m)	69' 11" (21.3 m)	7 ft 9 in	5710 lb (2590 kg)	9.5
IMT	1920 RCS	15,631	1543 lb ( 700 kg) @ 48'11"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3131 lb (1420 kg)	6.4
Effer	225	15,990	9 ft 8 in	60 ft 0 in	55 ft 7 in	92 in	6,250	8.1
IMT	2310 RCS	16,204	1080 lb ( 490 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	3869 lb (1800 kg)	6.7
Fassi	F175A.0.25	17,636	220 lbs @ 80 ft 6 in	88 ft	37 ft 8 in	7 ft 10 in	6,547	8.5
Fassi	F245A.2.28	17,636	473 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500	8.5
Fassi	F275A.2.28	17,636	606 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500	8.5
Effer	265	17,855	9 ft 8 in	67 ft 7 in	55 ft 7 in	92 in	6,250	8.9
Manitex Articulating Crane (MAC)	38.5 SP	17,990	2160 @ 70 ft 8 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,835	8.995
IMT	40/275	19,025	2225 lb ( 1010 kg) @ 69'10"	79' 1" (24.1 m)	69' 11" (21.3 m)	7 ft 10 in	6945 lb (3150 kg)	9.7
Fassi	F195A.0.25	19,102	330 lbs @ 80 ft 8 in	88 ft	43 ft 8 in	7 ft 10 in	6,889	9.5
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Fassi	F245A.0.26	19,620	551 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500	9.5
Fassi	F295A.2.28	19,841	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F295RA.2.28	19,841	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500	10.5
IMT	2810 RCS	20,018	1521 lb ( 690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4178 lb (1895 kg)	7.4
IMT	2320 RCS	20,260	1080 lb ( 490 kg) @ 70'5"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4145 lb (1880 kg)	6.9
IMT	2820 RCS	20,260	1521 lb ( 690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4365 lb (1980 kg)	7.4
Fassi	F215A.0.25	20,657	385 lbs @ 80 ft 6 in	88 ft	43 ft 8 in	7 ft 10 in	6,889	10
Fassi	F335A.2.28	20,943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F335RA.2.28	20,943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500	10.5
Palfinger	PK 35.502 TEC	22,046	2000@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	
Palfinger	PK 37.002 TEC	22,046	2150@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 34002-SH	22,100	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6,460	10.02
Effer	315	22,640	8 ft 10 in	81 ft 9 in	69 ft 9 in	93 in	7,195	11.3
IMT	50/345	22,840	3085 lb ( 1400 kg) @ 70'3"	78' 11" (24.1 m)	70' 3" (21.4 m)	7 ft 10 in	7959 lb (3610 kg)	11.4
Effer	375	24,165	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.1
Effer	395	25,570	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.8
Fassi	F385A.2.28	26,455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500	13
Fassi	F385RA.2.28	26,455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500	13
Manitex Articulating Crane (MAC)	47.5 SP	27,340	2570 @ 76 ft 1 in	112 ft 7 in	100 ft 7 in	8 ft 2 in	9,205	13.67
Manitex Articulating Crane (MAC)	48.5 SP	27,340	2570 @ 76 ft 7 in	113 ft	101 ft 1 in	8 ft 2 in	9,625	13.67
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	11
Fassi	F275A.0.26	29,762	617 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500	9.5
Fassi	F455A.2.28	29,762	485 lbs @ 101 ft 10 in	106ft	72 ft 11 in	8 ft 6 in	13,558	15
Fassi	F455RA.2.28	29,762	485 lbs @ 101 ft 10 in	106ft	72 ft 11 in	8 ft 6 in	13,558	15
IMT	7020	30,490	4519 lb ( 2050 kg) @ 66'11"	76' 1" (23.2 m)	67' 7" (20.6 m)	8 ft 1 in	9844 lb (4465 kg)	13.9
Manitex Articulating Crane (MAC)	65 SP	30,530	3970 @ 71 ft 6 in	119 ft	101 ft 10 in	8 ft 4 in	13,151	15.26
Effer	455/505	31,305	9 ft 10 in	82 ft 9 in	70 ft 9 in	96 in	11,195	15.6
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	14.2
Manitex Articulating Crane (MAC)	58.5 SP	32,740	3120 @ 76 ft 7 in	118ft	106 ft 4 in	8 ft 2 in	10,430	16.37
Palfinger	PK 42002-SH	32,848	2600@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	
Franna	AT 15-3	33,000	2300 lb at 52 ft	55 ft 9 in	45 ft 5 in	9 ft 10 in	35,300	17
Palfinger	PK 46002	34,170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	17.085
Palfinger	PK 45.002 TEC	34,390	2800@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	
Palfinger	PK 48.002 TEC	34,390	3050@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	
Fassi	F515RA.2.28	35,273	661 lbs @ 100 ft 5 in	106ft	75 ft 9 in	8 ft 6 in	13,558	16.5
Fassi	F660RA.2.28	35,273	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	15,000	17.5
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	16.79
Palfinger	PK 53002-SH	39,462	3476@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	
IMT	9520	40,433	6305 lb ( 2860 kg) @ 65'11"	72' 2" (22 m)	66' 7" (20.3 m)	8 ft 2 in	12,500 lb (5670 kg)	17.2
Effer	655/685	41,300	9 ft 6 in	87 ft 5 in	75 ft 5 in	97 in	12,420	20.6
Palfinger	PK 55.002 TEC	41,890	3650@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	

## ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum	Maximum	Powered	Folded	Installed	Capacity US tons
			Radius (feet/inches)	Hook Height (feet/inches)	Boom Length (feet/inches)	Height (feet/inches)	Weight (pounds)	
Palfinger	PK 58.002 TEC	41,890	3950@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	
Manitex Articulating Crane (MAC)	100 SP	42,220	6080 @ 73 ft 10 in	121 ft 9 in	109 ft 9 in	8 ft 2 in	16,790	21.11
Manitex Articulating Crane (MAC)	210 SP	48,150	8440 @ 86 ft 7 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085	24.075
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	22
Franna	AT 22	48,500	3700 lb at 51 ft 10 in	55 ft 9 in	45 ft 5 in	10 ft 2 in	44,100	24
Palfinger	PK 65002-SH	48,500	4600@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	24.25
Fassi	F800RA.2.28	48,501	727 lbs @ 109 ft 10 in	124 ft	75 ft 9 in	8 ft 6 in	17,600	24
Fassi	F950RA.2.28	48,501	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	19,000	24
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13,029	23
Effer	1355	51,145	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,445	25.5
Effer	1405	52,025	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,545	29.4
Effer	855	52,685	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	26.3
Manitex Articulating Crane (MAC)	150 SP	54,010	8430 @ 71 ft 10 in	138 ft	113 ft 4 in	8 ft 8 in	24,585	27
Effer	955	54,780	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	27.3
Franna	MAC 25-4	55,100	3900 lb at 51 ft 6 in	59 ft	60 ft 5 in	10 ft 2 in	52,700	27
Fassi	F1100RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	23,000	27.5
Fassi	F1300RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500	27.5
Palfinger	PK 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13,025	27.56
Fassi	F1950RAL.2.28	58,973	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	29
Effer	2655	60,185	15 ft 0 in	104 ft 11 in	90 ft 0 in	108 in	37,367	37.6
Fassi	F2150RAL.2.28	63,272	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	32
Effer	1750	63,380	14 ft 2 in	76 ft 8 in	64 ft 8 in	104 in	26,565	37.2
Effer	1855	65,035	14 ft 2 in	84 ft 2 in	72 ft 2 in	104 in	26,715	38.2
Effer	2255	66,135	14 ft 5 in	98 ft 5 in	141 ft 10 in	111 in	39,903	39.7
Fassi	F1500RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35,000	33
Fassi	F1950RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	78 ft 5 in	8 ft 6 in	40,000	44
Palfinger	PK 110002-SH	66,140	6900@72 ft 2 in	n/s	72 ft 2 in	n/s	19,466	33.07
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	30
Palfinger	PK 92002-SH	66,200	5400@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	33.1
Palfinger	PK 135.002 TEC	66,200	8400@72 ft 0 in	n/s	72 ft 0 in	n/s	22,420	
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70,600	35.3
Effer	2055	71,205	13 ft 2 in	84 ft 2 in	71 ft 5 in	106 in	28,395	38.9
Franna	AT 40	88,100	6600 lb at 51 ft 5 in	62 ft 4 in	65 ft	11 ft 5 in	65,100	44
Palfinger	PK 200002L-SH	88,200	8700@ 84 ft 0 in	n/s	83 ft 12 in	n/s	n/s	44.1
Effer	2755	108,025	9 ft 11 in	45 ft 11 in	36 ft 10 in	83 in	56,980	54.1

## INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at	Max Hook Height (m) or (ft)	Boom Length	Max Travel	Normal	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
		Max Radius (mt@m) or (lbs@ft)		Minimum/Max (m/m) or (ft/in)	Speed (mph) or (km/h)	Travel Weight (t) or (lbs)					
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4,300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5,500	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	OMNI	500 lbs @ 14 ft	22 ft	14 ft	1.75	5,800	4 ft 10 in	Battery	75	1.13	1.25
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5,500	34.5 in	Battery	75	1.36	1.5
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10,500	5 ft	Battery	75	4.5	5
Bailey Cranes	BC 18	1,950 lbs @30 ft	46 ft	34 ft	5	20,000	6 ft 6 in	Battery/Hybrid	75	8.16	9
EZ Rig Crane	EzRig	1,950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1,300	2 ft 10 in	E	n/s	1	1.2
Jekko	MPK06	180 kg @2.4 m	3.5 m			1 t			n/s	0.6	0.66
Jekko	SPB209	440 lbs @ 21 in	25 in 4 ft	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG	n/s	0.99	1.09
Jekko	JF30	792 lbs @22 ft	27 ft			1.58 t			n/s	0.99	1.09
Jekko	SPX312	220 lbs @ 32 ft	36 ft	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG	n/s	1.2	1.32
Jekko	SPD360	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	2 ft 7 in	E/LPG/D	n/s	1.98	2.18
Jekko	MPK20	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	3 ft 1 in	E	n/s	2	2.2
Jekko	SPX424	240 lbs @ 39 ft	50 ft	8 to 28 ft		5.51 t			n/s	2.4	2.65
Jekko	JF40	1165 @22 ft	28 ft			1.55 t			n/s	2.5	2.76
Jekko	SPX429	220 lbs @36 ft	56 ft	10 to 34 ft		5.51 t			n/s	2.7	2.97
Jekko	SPX527	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	3 ft 7 in	D/E	n/s	2.97	3.27

## INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Jekko	SPX532	220 lbs @48 ft	56 ft	8 to 34 ft		6.1 t			n/s	3.2	3.5
Jekko	SPX1040	1100 lbs @ 43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4 ft 7 in	D/E	n/s	4.4	4.85
Jekko	SPX650	150 kg @20 m	23.6 m	4 to 15.4 m		6.3 t			n/s	5	5.5
Jekko	MPK50		31 ft	9 to 22 ft		4.89 t			n/s	5	5.5
Jekko	SPK60	550 lbs @ 56 in 1 ft	82 in 4 ft	16in 1ft to 58in 01ft		15.5 t	7 ft 6 in	D/E	n/s	6	6.61
Jekko	SPX1275	1320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	4 ft 7 in	D/E	n/s	7.5	8.3
Jekko	SPX1280	220 lbs @ 66 ft	87 ft	16 to 58 ft		9.2 t			n/s	8	8.8
Jekko	JF365	365 kg @24.9 m	29 m			13.56 t			n/s	11.5	12.68
Jekko	JF545	990 lbs 99 ft	107 ft			18.92 t			n/s	15.5	17.08
Jekko	JF545 V-Max								n/s	15.5	17.08
Jekko	JF990	585 lbs @ 123 ft	137 ft			29.21 t			n/s	21.5	23.7
JMG	MC20	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	4,400	3in 1 ft	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	4,400	3in 1ft	E	n/s	2	2.2
JMG	MC22	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	4,500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC22	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	4,500	3in 1ft	E	n/s	2.18	2.4
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC32	1030 lbs @ 13in 1 ft	22 ft	11ft /13in 1ft	3	6,750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft /13in 1ft	3	6,750	3in 2ft	E	n/s	3.18	3.5
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft /13in 11ft	5	10,500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft /13in 11ft	5	10,500	5in 1ft	E	n/s	4.5	4.95
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5ft	E	n/s	6	6.6
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7 ft	E/D	n/s	8.5	9.35
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7ft	E/D	n/s	8.5	9.35
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5ft	E/D	n/s	11	12.1
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9ft	E	n/s	16.04	17.65
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50,400	7in 3 ft	E	n/s	22.04	24.25
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50,400	7in 3ft	E	n/s	22.04	24.25
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59,800	7in 5 ft	E	n/s	30	33
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59,800	7in 5ft	E	n/s	30	33
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6 ft	E	n/s	45.09	49.6
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6ft	E	n/s	45.09	49.6
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10ft	E	n/s	50.09	55.1
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10ft	E	n/s	50.09	55.1
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10 ft	E	n/s	60	66
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10ft	E	n/s	60	66
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft3 in	D/LPG	0.85	36	40
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft10 in	D/LPG	0.85	68	75
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Maeda	MC090-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4,390	30 in	D/E/Battery	85	0.9	0.995
Maeda	MC270-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4,390	30 in	D/E/Battery	85	2.7	2.95
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,200	30 in	LPG/Gas	85	2.82	3.1

## INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Maeda	MC285-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4,390	30 in	D/E/Battery	85	2.82	3.1
Maeda	MC305-3	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in-41 ft 0 in	1.74	8,600	51 in	D/E	85	2.98	3.28
Maeda	MC405-3	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12,400	55 in	D/E	85	3.84	4.24
Maeda	CC1485-1	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31,750	8 ft 2 in	D	75	6	6.61
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Manitex Valla	19	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	.9 t	1
Manitex Valla	25 EL	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	2.25	2.5
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	5,300	37 in	Battery	125	2.5	2.75
Manitex Valla	35 EVO	660 lbs @ 16 ft	23 ft	90	3.2	5,510	39 in	Battery	125	3.5	3.85
Manitex Valla	50	1760 lbs @ 16 ft	25 ft	106	5.6	12,120	55 in	Battery/Diesel	125	5	5.5
Manitex Valla	75	1980 lbs @ 17 ft	26 ft	133	5.6	13,450	68 in	Battery/Diesel	125	7.5	8.25
Manitex Valla	V80R	2,200 lbs @ 18 ft	30.8 ft	n/s	5.6	16,940	55 in	Battery	125	8	8.8
Manitex Valla	90	3960 lbs @ 18 ft	26 ft	144	5.6	19,480	68 in	Battery/Diesel	125	9	9.9
Manitex Valla	120	3970 lbs @ 25 ft	33 ft	159	5.6	30,850	82 in	Battery/Diesel	125	12	13.2
Manitex Valla	180	6600 lbs @ 24 ft	35 ft	176	5	41,850	86 in	Battery/Diesel	125	18	19.8
Manitex Valla	250	4180 lbs @ 33 ft	45 ft	191	5	53,350	90 in	Battery Diesel	125	25	27.5
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70,550	92 in	Battery/Diesel/Hybrid	125	40	44
Ormig	5.5TME	1660lbs@19ft	29.52 ft	12.46/31.16ft	3	15,652	5 ft	E	n/s	5.5	6.06
Ormig	10TM	4519lbs@19ft	28 ft	14-31ft	8.56	22,928	7 ft	D	n/s	10	11.02
Ormig	10TME	4519lbs@19ft	28 ft	14-31ft	6.35	22,928	7 ft	E	n/s	10	11.02
Ormig	15IE	5070lbs@23ft	36ft	14-35ft	2.2	28,660	6 ft	E	n/s	15	16.53
Ormig	16TM	5291lbs@22ft	34ft	15-35ft	19.91	31,085	7 ft 50 in	D	n/s	16	17.64
Ormig	16TME	5291lbs@22ft	34 ft	15-35ft	7.57	31,746	7 ft 50 in	E	n/s	16	17.64
Ormig	20/25TM	9259lbs@25ft	40 ft	17-40ft	17.09	39,683	8 ft 20 in	D	n/s	20/25	27.56
Ormig	25TME	9259lbs@25ft	40ft	17-40ft	6.42	45,194	8 ft 20 in	E	n/s	25	27.56
Ormig	30IE	10582lbs@26ft	40 ft	16.5-40ft	3.9	39,683	6 ft 10 in	E	n/s	30	33.07
Ormig	33TM	11023lbs@27ft	47 ft	21-45ft	15.53	61,729	8 ft 20 in	D	n/s	33	36.8
Ormig	33TME	11023lbs@27ft	47 ft	21-45ft	4.39	63,493	8 ft 20 in	E	n/s	33	36.8
Ormig	40IE	13227lbs@28ft	42 ft	19-43ft	4	46,517	7 ft 2 in	E	n/s	40	44
Ormig	45TME	17416lbs@29ft	46ft	20-47ft	3.34	63,934	9 ft	E	n/s	45	49.59
Ormig	50/55TM	19621 lbs@29 ft	46 ft	20-47ft	16.59	63,934	8 ft 20 in	D	n/s	50/55	60.63
Ormig	55/60IE	19180 lbs@27 ft	42 ft	19-43ft	3.9	52,910	7 ft 7in	E	n/s	60	66.1
Ormig	75tm	23148 lbs@34 ft	51 ft	22-54ft	15.9	79,366	9ft 9in	D	n/s	75	82.67
Shuttlelift	SCD09	1,080 lbs @ 42 ft	48 ft	14.2/33.2 ft	19.2	16,900	6 ft 6 in	D & LPG/Gas	n/s	8.1	9
Shuttlelift	SCD15	1,140 lbs @ 61.5 ft	69.5 ft	17/ 50 ft	16	25,200	7 ft 10 in	D & LPG/Gas	n/s	13.6	15
Shuttlelift	SCD20	800 lbs @ 76 ft	86 ft	18.5/54.5 ft	21	36,600	8 ft 1 in	D & LPG/Gas	n/s	18.1	20
Shuttlelift	SCD25	1,440 lbs @ 84 ft	95 ft	23/70.5 ft	19.4	45,700	8 ft 1 in	D	n/s	22.7	25
SPYDERCRANE	PC094	440 lbs @ 17.37 ft	22 ft	5.675 ft - 22 ft	2.5	2,100	31 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW094	440 lbs @ 16.96 ft	22 ft	5.675 ft - 22 ft	1.5	2,500	23 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW095	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW205S	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW506	390 lbs @ 49.9	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW295	350 lbs @ 27.59 ft	37 ft w/jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2
SPYDERCRANE	URW376	280 lbs @ 47.3 ft	58 ft w/jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
SPYDERCRANE	URW547	220 lbs @ 58.5	64 ft	13.1 ft - 59.1 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	4.04	4.5
SPYDERCRANE	URW706	550 lbs @ 61 ft	80 ft w/jib	15.7 ft - 63 ft	2.5	17,600 - 18,000	64 in	220V/D/110V/Battery	n/s	6.04	6.7
UPequip/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1,500	29.5 in	Battery	125	0.7	0.7
UPequip/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4,730	29.5 in	D/E	125	2.4	2.6
UPequip/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6,170	29.5 in	D/E /Battery	125	3.1	3.5
UPequip/Hoeflon	C10	460 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.88	10,358	31.5 in	D/E	125	5.2	4.5
UPequip/Hoeflon	C30	885 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.25	19,800	48 in	Battery	125	9.9	4.5

## INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Jekko	MPK06	180 kg @2.4 m	3.5 m			1 t			n/s	0.6	0.66
UPequip/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1,500	29.5 in	Battery	125	0.7	0.7
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	0.88	0.97
Maeda	MC090-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	0.9	0.995
Manitex Valla	19	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	.9 t	1
SPYDERCRANE	PC094	440 lbs @ 17.37 ft	22 ft	5.675 ft - 22 ft	2.5	2,100	31 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW094	440 lbs @ 16.96 ft	22 ft	5.675 ft - 22 ft	1.5	2,500	23 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW095	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	0.9	1
Jekko	SPB209	440 lbs @ 21 in	25 in 4ft	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG	n/s	0.99	1.09
Jekko	JF30	792 lbs @22 ft	27 ft			1.58 t			n/s	0.99	1.09
EZ Rig Crane	EzRig	1,950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1300	2 ft 10 in	E	n/s	1	1.2
Bailey Cranes	OMNI	500 lbs @ 14 ft	22 ft	14 ft	1.75	5800	4 ft 10 in	Battery	75	1.13	1.25
Jekko	SPX312	220 lbs @ 32 ft	36 ft	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG	n/s	1.2	1.32
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	1.36	1.5
Jekko	SPD360	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	2 ft 7 in	E/LPG/D	n/s	1.98	2.18
Jekko	MPK20	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	3 ft 1 in	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	4,400	3in 1 ft	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	4,400	3in 1ft	E	n/s	2	2.2
JMG	MC22	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	4,500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC22	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	4,500	3in 1ft	E	n/s	2.18	2.4
Manitex Valla	25 EL	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	2.25	2.5
UPequip/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4,730	29.5 in	D/E	125	2.4	2.6
Jekko	SPX424	240 lbs @ 39 ft	50 ft	8 to 28 ft		5.51 t			n/s	2.4	2.65
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	5,500	3in 1ft	E	n/s	2.5	2.75
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	5,300	37 in	Battery	125	2.5	2.75
Jekko	JF40	1165 @22 ft	28 ft			1.55 t			n/s	2.5	2.76
SPYDERCRANE	URW205S	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW506	390 lbs @ 49.9	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
Maeda	MC270-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	2.7	2.95
Jekko	SPX429	220 lbs @36 ft	56 ft	10 to 34 ft		5.51 t			n/s	2.7	2.97
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4200	30 in	LPG/Gas	85	2.82	3.1
Maeda	MC285-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	2.82	3.1
SPYDERCRANE	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2
Jekko	SPX527	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	3 ft 7 in	D/E	n/s	2.97	3.27
Maeda	MC305-3	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in-41 ft 0 in	1.74	8600	51 in	D/E	85	2.98	3.28
SPYDERCRANE	URW376	280 lbs @ 47.3 ft	58 ft w/ jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
Jekko	SPX532	220 lbs @48 ft	56 ft	8 to 34 ft		6.1 t			n/s	3.2	3.5
JMG	MC32	1030 lbs @ 13in 1 ft	22 ft	11ft /13in 1ft	3	6,750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft /13in 1ft	3	6,750	3in 2ft	E	n/s	3.18	3.5
UPequip/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6,170	29.5 in	D/E /Battery	125	3.1	3.5
Manitex Valla	35 EVO	660 lbs @ 16 ft	23 ft	90	3.2	5,510	39 in	Battery	125	3.5	3.85
Maeda	MC405-3	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12400	55 in	D/E	85	3.84	4.24
SPYDERCRANE	URW547	220 lbs @ 58.5	64 ft	13.1 ft -59.1 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	4.04	4.5
UPequip/Hoeflon	C10	460 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.88	10,358	31.5 in	D/E	125	5.2	4.5
UPequip/Hoeflon	C30	885 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.25	19,800	48 in	Battery	125	9.9	4.5
Jekko	SPX1040	1100 lbs @ 43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4 ft 7 in	D/E	n/s	4.4	4.85
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft /13in 11ft	5	10,500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft /13in 11ft	5	10,500	5in 1ft	E	n/s	4.5	4.95
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10500	5 ft	Battery	75	4.5	5
Jekko	SPX650	150 kg @20 m	23.6m	4 to 15.4 m		6.3 t			n/s	5	5.5
Jekko	MPK50		31 ft	9 to 22 ft		4.89 t			n/s	5	5.5

## INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Manitex Valla	50	1760 lbs @ 16 ft	25 ft	106	5.6	12,120	55 in	Battery/Diesel	125	5	5.5
Ormig	5.5TME	1660lbs@19ft	29.52 ft	12.46/31.16ft	3	15,652	5 ft	E	n/s	5.5	6.06
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5ft	E	n/s	6	6.6
Jekko	SPK60	550 lbs @ 56 in 1 ft	82 in 4ft	16in 1ft to 58in 01ft		15.5 t	7 ft 6 in	D/E	n/s	6	6.61
Maeda	CC1485-1	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31,750	8 ft 2 in	D	75	6	6.61
SPYDERCRANE	URW706	550 lbs @ 61 ft	80 ft w/ jib	15.7 ft - 63 ft	2.5	17,600 - 18,000	64 in	220V/D/110V/Battery	n/s	6.04	6.7
Manitex Valla	75	1980 lbs @ 17 ft	26 ft	133	5.6	13,450	68 in	Battery/Diesel	125	7.5	8.25
Jekko	SPX1275	1320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	4 ft 7 in	D/E	n/s	7.5	8.3
Jekko	SPX1280	220 lbs @ 66 ft	87 ft	16 to 58 ft		9.2 t			n/s	8	8.8
Manitex Valla	V80R	2,200 lbs @ 18 ft	30.8 ft	n/s	5.6	16,940	55 in	Battery	125	8	8.8
Bailey Cranes	BC 18	1,950 lbs @30 ft	46 ft	34 ft	5	20,000	6 ft 6 in	Battery/Hybrid	75	8.16	9
Shuttlelift	SCD09	1,080 lbs @ 42 ft	48 ft	14.2/33.2 ft	19.2	16,900	6 ft 6 in	D & LPG/Gas	n/s	8.1	9
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7 ft	E/D	n/s	8.5	9.35
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7ft	E/D	n/s	8.5	9.35
Manitex Valla	90	3960 lbs @ 18 ft	26 ft	144	5.6	19,480	68 in	Battery/Diesel	125	9	9.9
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535	6 ft 4 in	D/LPG	85	10	11
Ormig	10TM	4519lbs@19ft	28 ft	14-31ft	8.56	22,928	7 ft	D	n/s	10	11.02
Ormig	10TME	4519lbs@19ft	28 ft	14-31ft	6.35	22,928	7 ft	E	n/s	10	11.02
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5ft	E/D	n/s	11	12.1
Jekko	JF365	365 kg @24.9 m	29 m			13.56 t			n/s	11.5	12.68
Manitex Valla	120	3970 lbs @ 25 ft	33 ft	159	5.6	30,850	82 in	Battery/Diesel	125	12	13.2
Shuttlelift	SCD15	1,140 lbs @ 61.5 ft	69.5 ft	17/ 50 ft	16	25,200	7 ft 10 in	D & LPG/Gas	n/s	13.6	15
Ormig	15IE	5070lbs@23ft	36ft	14-35ft	2.2	28,660	6 ft	E	n/s	15	16.53
Jekko	JF545	990 lbs 99 ft	107 ft			18.92 t			n/s	15.5	17.08
Jekko	JF545 V-Max								n/s	15.5	17.08
Ormig	16TM	5291lbs@22ft	34ft	15-35ft	19.91	31,085	7 ft 50 in	D	n/s	16	17.64
Ormig	16TME	5291lbs@22ft	34 ft	15-35ft	7.57	31,746	7 ft 50 in	E	n/s	16	17.64
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9ft	E	n/s	16.04	17.65
Manitex Valla	180	6600 lbs @ 24 ft	35 ft	176	5	41,850	86 in	Battery/Diesel	125	18	19.8
Shuttlelift	SCD20	800 lbs @ 76 ft	86 ft	18.5/54.5 ft	21	36,600	8 ft 1 in	D & LPG/Gas	n/s	18.1	20
Jekko	JF990	585 lbs @ 123 ft	137 ft			29.21 t			n/s	21.5	23.7
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25 in 3ft	5	50,400	7in 3 ft	E	n/s	22.04	24.25
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25 in 3ft	5	50,400	7in 3ft	E	n/s	22.04	24.25
Shuttlelift	SCD25	1,440 lbs @ 84 ft	95 ft	23/70.5 ft	19.4	45,700	8 ft 1 in	D	n/s	22.7	25
Manitex Valla	250	4180 lbs @ 33 ft	45 ft	191	5	53,350	90 in	Battery Diesel	125	25	27.5
Ormig	20/25TM	9259lbs@25ft	40 ft	17-40 ft	17.09	39,683	8 ft 20 in	D	n/s	20/25	27.56
Ormig	25TME	9259lbs@25ft	40ft	17-40 ft	6.42	45,194	8 ft 20 in	E	n/s	25	27.56
JMG	MC300	10100 lbs @ 27 in 8 ft	42 ft	3in 3ft /27 in 8 ft	5	59,800	7in 5 ft	E	n/s	30	33
JMG	MC300	10100 lbs @ 27 in 8 ft	42 ft	3in 3ft /27 in 8 ft	5	59,800	7in 5ft	E	n/s	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Ormig	30IE	10582lbs@26 ft	40 ft	16.5-40 ft	3.9	39,683	6 ft 10 in	E	n/s	30	33.07
Ormig	33TM	11023lbs@27 ft	47 ft	21-45 ft	15.53	61,729	8 ft 20 in	D	n/s	33	36.8
Ormig	33TME	11023lbs@27 ft	47 ft	21-45 ft	4.39	63,493	8 ft 20 in	E	n/s	33	36.8
Lift Systems	TWLO40	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	TWLO40	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft3 in	D/LPG	0.85	36	40
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70,550	92 in	Battery/Diesel/Hybrid	125	40	44
Ormig	40IE	13227lbs@28 ft	42 ft	19-43ft	4	46,517	7 ft 2 in	E	n/s	40	44
Ormig	45TME	17416lbs@29 ft	46 ft	20-47ft	3.34	63,934	9 ft	E	n/s	45	49.59
JMG	MC450	13,900 lbs @ 27 in 11 ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6 ft	E	n/s	45.09	49.6
JMG	MC450	13,900 lbs @ 27 in 11 ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6ft	E	n/s	45.09	49.6
JMG	MC500	14,300 lbs @ 30 in 5 ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10ft	E	n/s	50.09	55.1
JMG	MC500	14,300 lbs @ 30in 5 ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10ft	E	n/s	50.09	55.1
Ormig	50/55TM	19,621 lbs@ 29 ft	46 ft	20-47ft	16.59	63,934	8 ft 20 in	D	n/s	50/55	60.63
JMG	MC600	15,400 lbs @ 30 in 5 ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10 ft	E	n/s	60	66

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
JMG	MC600	15,400 lbs @ 30in 5 ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10ft	E	n/s	60	66
Ormig	55/60IE	19,180 lbs@27 ft	42 ft	19-43ft	3.9	52910	7 ft7in	E	n/s	60	66.1
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft10 in	D/LPG	0.85	68	75
Ormig	75tm	23,148 lbs@34 ft	51 ft	22-54ft	15.9	79,366	9ft 9in	D	n/s	75	82.67
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110

RUBBER TIRED GANTRY CRANES BY MANUFACTURER

Manufacturer	Model	Standard Inside Clear Height/ Hook Height (ft)	Standard Inside Clear Width/ Hook Height (ft)	Remote control capability		Steering mode	Driving speed (mph)	Capacity (US tons)
				Number of tires	Y/N			
Enerpac	Travel Gantry ETL600	20	30 x 15	4	Y	Carrousel	3	67
Mi-Jack Translift	MJ 1200R	customizable	customizable	4	Y	Two Wheel	n/s	50
Mi-Jack Translift	MJ 1200R EH	customizable	customizable	4	Y	Two Wheel	n/s	50
Mi-Jack Translift	MJ 1200R-DS	customizable	customizable	4	Y	All wheel	n/s	50
Mi-Jack Travelift	MJ 30 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4-5MPH	30
Mi-Jack Travelift	MJ 40 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4-5MPH	40
Mi-Jack Travelift	MJ50C	customizable	n/s	4	Y	Two Wheel, Lead wheel optional	4-5MPH	44.1
Mi-Jack Travelift	MJ 50 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4MPH	50
Mi-Jack Travelift	MJ 70 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4 MPH	70
Mi-Jack Travelift	MJ 85 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4 MPH	85
Mi-Jack Travelift	MJ 100 HD	customizable	customizable	4 or 8	Y	Two Wheel, Lead wheel optional	3MPH	100
Mi-Jack Travelift	MJ150 HD	customizable	customizable	8	Y	two corner, four corner optional.	3MPH	150
Mi-Jack Travelift	MJ200HD-300HD	customizable	customizable	various	Y	various	various	200-300
Shuttlelift	SB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		30
Shuttlelift	DB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		30
Shuttlelift	SL 35II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		35
Shuttlelift	SB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	DB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	SL 50II	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	SB 70	25 (customizable)	30 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		70
Shuttlelift	SL 75II	22 (customizable)	21 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		75
Shuttlelift	SL 85II	25 (customizable)	24 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		85
Shuttlelift	DB 90	30 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		90
Shuttlelift	DB 110	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		110
Shuttlelift	SB 120	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		120
Shuttlelift	SB 150	40 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		150
Shuttlelift	SL 150II	30 (customizable)	28 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		150
Shuttlelift	DB 165	35 (customizable)	40 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		165
Shuttlelift	DB 200	40 (customizable)	50 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		200
Shuttlelift	SL 200II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		200
Shuttlelift	SL 250II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		250
Shuttlelift	SL 300	34 (customizable)	32 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		300
Shuttlelift	SL 500	40 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		500
Shuttlelift	SL 620	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		620
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		700
Shuttlelift	SL 820	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		820
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		25
Shuttlelift	DB 70	25 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		70
Shuttlelift	SL 100II	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		100
Shuttlelift	SB 100	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		100

## RUBBER TIRED GANTRY CRANES BY MANUFACTURER

Manufacturer	Model	Standard Inside Clear Height/ Hook Height (ft)	Standard Inside Clear Width/ Hook Height (ft)	Number of tires	Remote control capability		Driving speed (mph)	Capacity (US tons)
					Y/N	Steering mode		
Shuttlelift	SL 400	37 (customizable)	35 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		400
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		1,000
Shuttlelift	SL 1250	55 (customizable)	55 (customizable)	16	Yes	All wheel		1,250

## RUBBER TIRED GANTRY CRANES BY CAPACITY

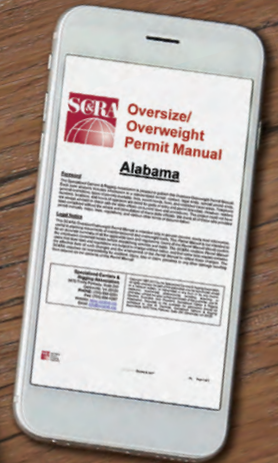
Manufacturer	Model	Standard Inside Clear Height/ Hook Height (ft)	Standard Inside Clear Width/ Hook Height (ft)	Number of tires	Remote control capability		Driving speed (mph)	Capacity (US tons)
					Y/N	Steering mode		
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		25
Mi-Jack Travelift	MJ 30 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4-5 mph	30
Shuttlelift	SB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		30
Shuttlelift	DB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		30
Shuttlelift	SL 35II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		35
Mi-Jack Travelift	MJ 40 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4-5 mph	40
Mi-Jack Travelift	MJ50C	customizable	n/s	4	Y	Two Wheel, Lead wheel optional	4-5 mph	44.1
Mi-Jack Translift	MJ 1200R	customizable	customizable	4	Y	Two Wheel	n/s	50
Mi-Jack Translift	MJ 1200R EH	customizable	customizable	4	Y	Two Wheel	n/s	50
Mi-Jack Translift	MJ 1200R-DS	customizable	customizable	4	Y	All wheel	n/s	50
Mi-Jack Travelift	MJ 50 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4 mph	50
Shuttlelift	SB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	DB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	SL 50II	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Enerpac	Travel Gantry ETL600	20	30 x 15	4	Y	Carrousel	3	67
Mi-Jack Travelift	MJ 70 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4 mph	70
Shuttlelift	SB 70	25 (customizable)	30 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		70
Shuttlelift	DB 70	25 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		70
Shuttlelift	SL 75II	22 (customizable)	21 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		75
Mi-Jack Travelift	MJ 85 HD	customizable	customizable	4	Y	Two Wheel, Lead wheel optional	4 mph	85
Shuttlelift	SL 85II	25 (customizable)	24 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		85
Shuttlelift	DB 90	30 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		90
Mi-Jack Travelift	MJ 100 HD	customizable	customizable	4 or 8	Y	Two Wheel, Lead wheel optional	3 mph	100
Shuttlelift	SL 100II	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		100
Shuttlelift	SB 100	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		100
Shuttlelift	DB 110	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		110
Shuttlelift	SB 120	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		120
Mi-Jack Travelift	MJ150 HD	customizable	customizable	8	Y	two corner, four corner optional.	3 mph	150
Shuttlelift	SB 150	40 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		150
Shuttlelift	SL 150II	30 (customizable)	28 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		150
Shuttlelift	DB 165	35 (customizable)	40 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		165
Shuttlelift	DB 200	40 (customizable)	50 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		200
Shuttlelift	SL 200II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		200
Shuttlelift	SL 250II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		250
Shuttlelift	SL 300	34 (customizable)	32 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		300
Shuttlelift	SL 400	37 (customizable)	35 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		400
Shuttlelift	SL 500	40 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		500
Shuttlelift	SL 620	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		620
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		700
Shuttlelift	SL 820	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		820
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		1,000
Shuttlelift	SL 1250	55 (customizable)	55 (customizable)	16	Yes	All wheel		1,250
Mi-Jack Travelift	MJ200HD-300HD	customizable	customizable	various	Y	various	various	200-300

**Disclaimer:** ACT is not responsible for errors or omissions.





# DRIVE SAFER.



SC&RA's Online Permit Manual is the most comprehensive and accurate digital resource in the industry to help you bid a job or apply for a permit. With all the information in one place, you save time and avoid fines.



U.S. States & Canadian Provinces



Pilot/Police Escorts



Allowable Weight & Dimension



Fees & Hours of Service



Local Permit Information



Scale Locations

[www.scranet.org/store](http://www.scranet.org/store)



Specialized Carriers & Rigging Association

OUR MEMBERS LIFT & MOVE THE WORLD

## America's Trailer Company/Cozad Trailers

4907 Waterloo Road  
Stockton, CA 95215 USA  
(209) 931-3093  
Tom Pistacchio, Owner  
www.cozadtrailers.com;  
americatrailercompany.com  
Produces specialized and heavy haul  
trailers, 35- to 85-ton capacities.

## Aspen Custom Trailers

3914 81 Avenue  
Leduc, Alberta, Canada T9E 0C3  
(780) 980-1925  
Phil Johnston, President  
Steve Szo, Corporate Sales Manager  
www.aspentrailer.com  
Produces 25-ton tandem trailers  
to 300-ton mining and multi axle  
steering transporters.

## Access World Logistics

7 Moonglade Lane Savannah, GA  
31411 USA  
(912) 352-4248  
Butch Howard, Sales & Marketing  
www.AWLcorp.com  
Offers rigging and transport logistics  
services including engineering,  
lifting and machinery assembly and  
disassembly.

## Cometto S.p.A.

12011 Borgo S. Dalmazzo  
Cuneo Via Cuneo, 20 Italy  
+39 0171 263300  
www.cometto.com  
Produces SPMTs with payloads up to  
15,000 tons and beyond.

## Buckingham Structural Moving Equipment

10 Birch Lane  
Bernville, PA 19506  
Kendal Siegrist, Sales Manager  
www.buckinghamequipment.com  
Buckingham produces transport and  
lifting equipment including power,  
coaster and crab steer dollies.

## Durabilt by Durbin

2545 South 25th Ave  
Broadview, IL 60155 USA  
(708) 223-0258  
Carol Meyer, VP Sales  
www.durabiltusa.com  
Manufacturer of load lashing and  
securement systems for cargo  
control and material handling  
products.

## E.D. Etnyre & Co.

1333 S. Daysville Road  
Oregon, IL 61061 USA  
(800) 995-2116  
Kevin Sassaman, Product Manager  
www.etnyre.com  
Manufactures custom lowboy trailers  
and uses the latest technologies such  
as 3D modeling, CNC burn tables,  
lasers and robotic welders to build  
custom trailers to meet customer  
needs.

## Eager Beaver Trailers

14893 US-27  
Lake Wales, FL 33859 USA  
(800) 257-8163  
Tina Flowers, National Sales Manager  
www.EBTrailers.com  
Manufactures lowbed and equipment  
hauling semitrailers from 6 to  
100-ton capacities. Eager Beaver  
Trailers is a registered brand name  
of General Engines Company.

## Elk River Machine Company

828 Fourth Street  
Elk River, MN 55330 USA  
(763) 441-1581  
Paul Gill, Sales Director  
www.ermc.com  
Elk River produces 2 to 9-axle  
Hydra-Steer trailers, jeeps and  
specialty trailers used to haul  
concrete beams and materials.

## Enerpac

N86W12500 Westbrook Crossing  
Menomonee Falls, WI 53051 USA  
(262) 293-1600  
Peter Crisci, Product Line Director  
Heavy Lifting Technology  
www.enerpac.com  
Enerpac produces hydraulic  
gantries, strand jacks, SPMTs,  
skidding systems and high pressure  
hydraulic tools and equipment.

## Engineered Rigging

409 East Lincolnway, Suite 3  
Valparaiso, IN 46383 USA  
(219) 712-4579  
Christopher E. Cox, President  
www.engineeredrigging.com  
As an innovative problem solver,  
Engineered Rigging provides  
engineering services, designs and  
builds custom heavy lifting systems  
and provides equipment rentals and  
sales including gantries, SPMTs,  
sling adjusters, cube jacks, power  
slide systems and more. ER is an  
authorized Enerpac dealer.

## EnTrans International, LLC

1145 Congress Parkway N  
Athens, TN 37303 USA  
(423) 499-1300  
Ryan Rockafellow, Vice President  
of Sales and Marketing  
www.EnTransInternational.com  
Within its oil & gas and tank  
trailer transport divisions, EnTrans  
International maintains deep reserves  
of knowledge, people, resources  
and worldwide reach.

## Fagioli, Inc.

21310 Highway 6  
Manvel, TX 77578, USA  
(281) 997-3434  
Edoardo Ascione, President  
www.fagioligroup.com  
A leading provider for super  
heavy lifting, transportation  
and logistics markets around the  
world.

## Faymonville Distribution AG

Duarrefstrooss 8, 9990  
Weiswampach, Luxemburg  
352 26 90 04 155  
Paul Hönen, Sales  
www.faymonville.com  
Faymonville provides customers  
optimal solutions and systems  
for any transport need. The full  
product range encloses telescopic  
and steerable trailers, double  
drop trailers, dual lane trailers  
or modular trailers.

## Fontaine Heavy-Haul

5398 US Highway 11  
Springville, AL 35146 USA  
(205) 467-1826  
Greg D Smith, VP Marketing &  
Business Development  
www.fontaineheavyhaul.com  
Fontaine Heavy-Haul is focused on  
serving construction and specialized  
hauling customers requiring  
dependable lowbed, extendable,  
and hydraulic tail trailers.

## Gem State Mfg./TrailMax

3820 Skyway Street  
Caldwell, ID 83605  
(208) 454-0717  
Mike Lemrick, President/Owner  
www.trailmax.com  
Gem State offers seven different  
series of trailers: utility, tiltbed,  
beavertail, power ramp, hydraulic  
ramp, traveling axle and flatbeds.

## Goldhofer Inc.

7401 Riviera Boulevard  
Miramar, FL 33023  
(954) 668-2380  
Stefan Kohler, Vice President  
of Sales, Transport Technology  
www.goldhofer.us  
Goldhofer is a leading global  
manufacturer of specialized  
transportation equipment in the  
field of general and heavy-duty  
road haulage and oversized  
cargo transportation.

## Greenfield Products

3111 West 167th Street  
Hazel Crest, IL 60429 USA  
(708) 331-3115  
Gustavo Anzola  
www.greenfieldpi.com  
Greenfield Products produces boom  
dollies, boom launchers and other  
specialized transportation and  
machinery handling equipment  
and vehicles.

## HMR Supplies

35545 Hwy 69  
Forest City, IA 50436 USA  
(641) 585-3630  
Chris Holland, President  
www.hmrsupplies.com  
HMR Supplies designs and  
manufactures high-capacity heavy  
material transport equipment.  
The company designs and executes

plans to handle and transport large  
items safely and cost effectively.

## International Specialized Trailer

526 4th Avenue SW  
New London, MN 56273 USA  
(320) 354-1590  
Brad Looman, Owner  
www.isttrailers.com  
A heavy haul and wind power  
transport specialist.

## Kalyn/Siebert Inc.

1505 West Main Street  
Gatesville, TX 76528 USA  
(254) 865-7235  
Jake Radish, President  
www.kalynsiebert.com  
A subsidiary of Heil Trailer  
International, produces heavy haul,  
wind energy, construction, towing  
and oilfield trailers.

## KAMAG Transporttechnik

Liststrasse 3 Ulm 89079 Germany  
49 (0) 731/ 4098 - 0  
Roland Fischer, Area Manager, Sales  
www.kamag.com  
Reliability in daily operations and  
a long service life make KAMAG  
an important element of modern  
logistical processes. In a wide range  
of areas such as smelting works and  
steel mills, shipyards and off-shore  
technology, transport vehicles from  
the company are in daily use.

## Kitchen's Crane & Equipment

7913 Dunnottar Ct.  
Chesterfield, VA 23838 USA  
(804) 814-4844  
Eddy Kitchen, President  
www.kitchensequipment.com  
Kitchen's is a leading source  
for cranes, hydraulic platform  
trailers, slide systems, strand  
jacks, hydraulic gantries, rigging  
lifts and jack up systems.

## KTSDI-Kessler

801 E Middletown Road  
North Lima, OH 44452 USA  
(330) 783-2000  
Ken Timmings, Manager  
www.ktsdi.com  
KTSDI is an ISO 9001:2015  
certified company as well as the  
North American representative  
and authorized spare parts and  
service provider for Kessler + Co,  
Mobil Elektronik, Alfred Heyd and  
Neumeister. KTSDI provides vehicle  
solutions for a variety of OEM  
applications.

## K-Line Trailers Ltd.

27360 - 58th Crescent  
Langley BC V4W 3W7 Canada  
(604) 856-7899  
David Knight, President  
www.klinetrailers.com  
K-Line builds specialized dump bodies

and lowbeds, and a line of heavy haul trailers that serve oversized and specialized markets.

## Lampson International

607 E. Columbia Drive  
Kennewick, WA 99336 USA  
(509) 586-0411  
William Lampson, President & CEO  
www.lampsoncrane.com  
*Lampson International is a single source for all heavy lift and transport needs from conventional crane rentals, to heavy lift and transport engineering, to the provision and engineering of extreme capacity lift and transport equipment.*

## Landoll Corporation

1900 North Street  
Marysville, KS 66508 USA  
(785) 562-4739  
Jim Ladner, Sales Manager  
www.landoll.com  
*Landoll Corporation provides traveling axle and detachable trailers to a wide array of industries for ground loading and transportation of specialized equipment.*

## Loadcraft Industries Ltd.

P O Box 1429  
Brady, TX 76825 USA  
(325) 597-2911  
Terry McIver, President  
www.loadcraft.com  
*Loadcraft Industries specializes in the complete design and manufacturing of drilling and working rigs, as well as specialized transport trailers, dollies, beams and multi-axle components.*

## Load King

7701 Independence Ave  
Kansas City, MO 64125 USA  
(816) 241-4888  
Tom Norcross, President, Trailers  
www.loadkingmfg.com  
*As a key part of the Custom Truck One Source family of brands, Load King offers standard and custom trailers, vocational equipment, and a full line of boom trucks and truck cranes.*

## Mammoet Americas

20525 F.M. 521  
Rosharon, TX 77583  
(281) 369-2200  
Martin Kuipers, President Americas  
www.mammoet.com  
*Mammoet improves construction efficiency by providing solutions for lifting, transporting, installing and decommissioning large and heavy structures.*

## Nelson Manufacturing

6448 State Route 224  
Ottawa, OH 45875 USA  
(419) 523-5321  
Tony Niese, President  
www.nelsontrailers.com

*Nelson Manufacturing is North America's premier manufacturer of custom semi-trailers, boom dollies, and boom launch trailers. Nelson has been in business since 1947.*

## NICOLAS Industrie S.A.S

A9 Avenue due Tertre  
Champs-sur-Yonne 89290 France  
33 (0) 386 53 52-00  
Roland Fischer, Area Manager, Sales  
www.nicolas.fr  
*NICOLAS develops and produces transporters such as modular trailers, semi-trailers, industrial lift and shipyard transporters.*

## Precision Enterprises Inc.

3975 E Railroad Ave.  
Cocoa, FL 32926 USA  
(321) 635-2000  
Jason Shye, CFO  
www.precgroup.com  
*Sells and services Scheuerle, Nicolas, and KAMAG transporters and trailers.*

## Ridewell Suspensions

P.O. Box 4586  
Springfield, MO 65808 USA  
(800) 641-4122  
Justin Cravens, VP of Sales  
www.ridewellcorp.com  
*Ridewell Suspensions engineers and manufactures custom suspension systems for the specialized transport industry.*

## Rigging Gear Sales

1555 IL Route 26 South  
Dixon, IL 61021 USA  
(815) 288-6403  
Benjamin Forster, General Manager  
www.rgsinc.net  
*Rigging Gear Sales produces hydraulic gantries, mobile pick and carry machines and is a distributor of TII trailers and transport systems.*

## Rogers Brothers Corp.

100 Orchard Street  
Albion, PA 16401-1218 USA  
(814) 756-4121  
Jay Kulyk, President  
www.rogerstrailers.com  
*Rogers Trailers produces custom and specialized trailers for hauling cranes, construction equipment and construction materials.*

## SCHEUERLE Fahrzeugfabrik GmbH

Otto-Rettenmaier-Str. 15  
Pfedelbach 74629 Germany  
49 7941 691-0  
Roland Fischer, Area Manager, Sales  
www.scheuerle.com  
*Scheuerle has set new standards with its work in developing and producing heavy duty vehicles for applications such as offshore, air and space travel industry, shipyards, plant construction or heavy goods.*

## Siebert Wind

807 Erin Street  
Monroe, LA 71201 USA  
(318) 235-4104  
www.heiltrailer.com/siebert-wind  
*Siebert Wind is a division of Kalyn Siebert Inc. and offers a line of trailers built specifically for the transportation of wind turbines and related equipment.*

## Talbert Manufacturing, Inc.

1628 W. State Road 114  
Rensselaer, IN 47978 USA  
(800) 348-5232  
Troy Geisler, VP Sales & Marketing  
www.talbertmfg.com  
*Talbert offers complete lines of heavy-haul trailers and specialized transportation equipment for commercial, industrial, military and government sectors.*

## Temisko 1983 Inc.

91 Ontario Street  
Notre-Dame du Nord QC J0Z 3B0  
Canada  
(819) 723-2416  
www.temisko.com  
*Temisko produces custom-designed and manufactured semi-trailers for the general market as well as specialized haulers.*

## Thru-Way Trailers

140 Market Drive  
Milton Ontario L9T 3H5 Canada  
(905) 875-4611  
Saifu Mawji, President  
www.thruwaytrailers.com  
*ThruWay produces multi-axle trailers, dollies, double drops and other trailers for the heavy haul industry as well as the Blademaster line.*

## Tradelossa

Cobalto #6 Colonia Industrial  
Durango, Durango, 34229, Mexico  
(713) 931-6552  
Armando Lee, Sales & Logistics Manager  
www.tradelossa.com  
*Tradelossa is a transport solutions specialist for large and heavy loads, rigging, logistics services, permitting, warehousing services and operations at the border between Mexico and the United States in addition to trucking operations coming from Central America, Mexico and the U.S. to other countries and vice versa.*

## Trail King Industries Inc.

300 East Norway Avenue Mitchell, SD 57301 USA  
(800) 843-3324  
Mike Heschke, Dir. of International Market Development  
www.trailing.com  
*Trail King manufactures trailers ranging in capacities from 12,000 to 1,000,000 pounds*

*for the construction, agriculture, transportation, waste and recycling and specialized hauling markets.*

## Trail-Eze Trailers

P.O. Box 1188 Mitchell, SD 57301 USA (605) 996-5571  
Shawn Murtha, Sales Manager  
www.trailleze.com  
*Trail-Eze custom designs and manufactures low boy trailers, multi axle low boy trailers, rear loading HT and slide axle trailers.*

## TransMaster Trailers

20 Wolfbridge Road, Carlisle, PA 17013 (717) 243-6849  
David Lutz, President  
www.mastersi.com  
*Offers specialized trailers from wind blade and tower trailers to dollies, jeeps, step deck trailers, low boy detachable gooseneck, extendable and special design trailers.*

## TransWorld Manufacturing

6101 Dean Martin Drive  
Las Vegas, NV 89118 USA  
(702) 798-8920  
www.transworldmanufacturing.com  
Crystal Dieleman, President  
*TransWorld produces boom dollies, specialized crane transport systems, counterweight trailers, jeeps and tag axles.*

## TSP (Transport Systems And Products, Inc.)

51 Tokeneke Rd  
Darien, CT 06820 USA  
(203) 656-1644  
Toni Sabia, President  
www.tpsalesandservice.com  
*TSP, Inc. offers heavy lift specialty transporters from Scheuerle, material and personnel lifts from Electroelsa and the Turtle Material Mover from A2C.*

## X-L Specialized Trailers Inc.

P.O. Box 400 Manchester, IA 52057 USA (563) 927-4900  
Tom Hiatt, Director of Sales  
www.xlspecializedtrailer.com  
*Manufacturers of specialized heavy haul trailers for the construction, commercial, agriculture, wind, oil and gas and custom trailer markets.*

**Disclaimer:** While every effort was made to assure the accuracy and comprehensiveness of this list, the ACT Sourcebook is not responsible for errors or omissions. E-mail D.Ann Shiffler at d.ann.shiffler@khl.com or Hannah Sundermeyer at hannah.sundermeyer@khl.com for an ACT Sourcebook Survey Form.



# INTRODUCING SC&RA'S PROPERTY AND CASUALTY INSURANCE PLATFORM

Providing:

- Extensive industry knowledge and strong partnerships with other SC&RA members
- Insurance & Risk Management options to best fit your business needs
- Educational resources from insurance experts

Explore the best option for you at  
[www.scranet.org/insurance](http://www.scranet.org/insurance)

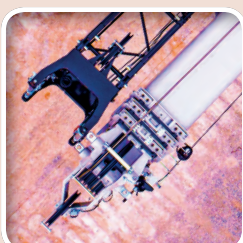
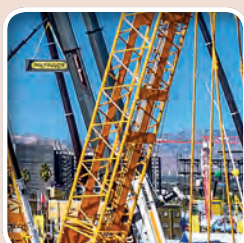
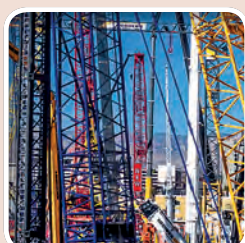
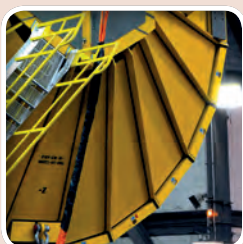


## ENDORSED MARKET PARTNERS



## PREFERRED PRODUCERS





Associations	118
Auctions/Used Crane Sales	118
Control Devices	119
Crane Manufacturers	120
Crane Mats, Pads & Cribbing	123
Engineering Services	124
Escort/Pilot Car & Bucket Truck Services	124
Fall Protection	125
Financial Services	126
Freight Forwarding/Logistics	127
Insurance/Risk Management	128
Marine Services	129
OEM Components	129
Operator Assist Devices	131
Permitting Services	132
Product Support/Repair	133
Rigger Trucks	133
Rigging Gear/Hardware & Wire Rope	134
Safety Equipment & Products	142
Software	143
Specialized Rigging/Lifting Manufacturers	144
Training Certification & Inspection Services	147

## ASSOCIATIONS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>American National Standards Institute Inc. (ANSI)</b>	25 West 43rd Street, New York, NY 10036	USA	(212) 642-4946	www.ansi.org	Joe Bhatia President/CEO
<b>American Rental Association</b>	1900 19th Street, Moline, IL 61265	USA	(800) 334-2177	www.ararental.org	Chris Wehrman CEO
<b>American Wind Energy Association</b>	1501 M St. NW, Suite 1000 Washington, DC 20005	USA	(202) 383-2500	www.awea.org	Tom Kiernan CEO
<b>Associated Equipment Distributors</b>	600 W. 22nd Street, Suite 220, Oak Brook, IL 60523	USA	(630) 574-0650	www.aednet.org	David Gordon VP of Sales
<b>Associated General Contractors</b>	2300 Wilson Blvd, Ste 400 Arlington, VA 22201	USA	(703) 548-3118	www.agc.org	Stephen Sandher CEO
<b>Associated Wire Rope Fabricators</b>	P O Box 748 Walled Lake, MI 48390	USA	(248) 994-7753	www.awrf.org	Jeff Gilbert Chief Executive
<b>Association of Crane &amp; Rigging Professionals (ACRP)</b>	28175 Haggerty Novi, MI 48377	USA	(800) 690-3921	www.acrp.net	Jeff Gilbert Executive Director
<b>Association of Equipment Manufacturers</b>	6737 West Washington Street, Milwaukee, WI 53214	USA	(414) 272-0943	www.aem.org	Dennis Slater President
<b>BC Association for Crane Safety</b>	PO Box 48883 Bentall Vancouver, BC V7X 1A8	Canada	(604) 336-4699	www.bcacs.ca	Fraser Cocks Executive Director
<b>Canadian Construction Association</b>	1900 - 275 Slater St. Ottawa, ON K1P 5H9	Canada	(613) 236-9455	www.cca-acc.com	Michael Atkinson President
<b>Crane Certification Association of America</b>	28175 Haggerty Novi, MI 48377	USA	(800) 447-3402	www.ccaaweb.net	Jeff Gilbert Executive Director
<b>Crane Owners Association</b>	447 Georgia Street Vallejo, CA 94590	USA	(707) 552-6040	www.craneowners.org	Michael Vlaming Executive Director
<b>Crane Rental Association of Canada</b>	P O Box 26 Regina, SK S4P 2Z5	Canada	(306) 585-2722	www.crac-canada.com	Claire Bélanger-Parker Executive Administrator
<b>Florida Crane Owners' Council, Inc.</b>	170 North Goldenrod Road Orlando, FL 32807	USA	(512) 633-7413	www.flcoc.com	John Wessel Managing Director
<b>Ironworker Management Progressive Action Cooperative Trust (IMPACT)</b>	1750 New York Ave. NW, 4th Floor, Washington, DC 20006	USA	(800) 545-4921	www.impact-net.org	Kevin Hilton CEO
<b>National Commission for the Certification of Crane Operators (NCCCO)</b>	2750 Prosperity Avenue, Suite 505, Fairfax, VA 22031	USA	(703) 560-2391	www.nccco.org	Graham Brent Executive Director
<b>Specialized Carriers &amp; Riggers Association (SC&amp;RA)</b>	5870 Trinity Pkwy., Suite 200, Centreville, VA 20120	USA	(703) 698-0291	www.scranet.org	Joel Dandrea Chief Executive Officer
<b>Steel Erectors Association of America</b>	Piedmont Leaf Lofts 401 E. 4th St., #204 Winston-Salem, NC 27101	USA	(336) 294-8880	www.seaa.net	Tom Underhill Executive Director

## AUCTIONS/USED CRANE SALES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Alex Lyon &amp; Son</b>	7697 Rt. 31 Bridgeport, NY 13030	USA	(315) 633-2944	www.lyonauction.com	Jack Lyon President
<b>American Auctioneers LLC</b>	1033 W. Main St. Centre, AL 35960	USA	(256) 927-5263	www.american-auctioneers.com	Keith Baldwin President
<b>Bar None Auction</b>	2440 Gold River Road, Suite 200, Rancho Cordova, CA 95670	USA	(866) 372-1700	www.barnoneauction.com	Brian Wahlster General Manager, Sacramento
<b>Berryhill Auctioneers</b>	3901 Dendron Drive Flower Mound, TX 75028	USA	(972) 874-1222	www.berryhillauctioneers.com	Ray Berryhill Owner
<b>Bunch Bros Auctioneers</b>	P O Box 175 Wingo, KY 42088	USA	(270) 376-2992	www.bunchbrothers.com	Steve Bunch
<b>Crane Network</b>	400 E. Illinois Street, Suite B Lemont, IL 60439	USA	(214) 612-7626	www.cranenetwork.com	
<b>Darell Dunkle Auctioneers</b>	P O Box 959, Harrison, MI 48625	USA	(800) 433-6670	www.dunkleauctioneers.com	Darell Dunkle Owner
<b>Deanco Auction</b>	1042 Holland Avenue, Philadelphia, MS 39350	USA	(601) 656-9768	www.deancoauction.com	Donnie W. Dean Owner/President/ Auctioneer
<b>Dovebid Auctions</b>	1900 O'Farrell, Ste 325 San Mateo, CA 94403	USA	(800) 665-1042	www.go-dove.com	Thomas Burton Executive Vice President
<b>DSA Don Smock Auction Company</b>	6531 S State Road 13 Pendleton, IN 46064	USA	(765) 778-9277	www.dsaauctions.com	Donald Smock CEO

<b>First Capitol Auction Inc.</b>	50 Solano Avenue, Vallejo, CA 94590	USA	(707) 552-0739	www.1stcapitolauction.com	Brian McKissack Vice President
<b>Henderson Auctions</b>	13340 Florida Blvd Livingston, LA 70754	USA	(225) 686-2252	www.hendersonauctions.com	Jeffrey Henderson President/CEO
<b>Hilpipe Auctions</b>	2862 Wagner Road Waterloo, IA 50703	USA	(319) 235-6007	www.hilpipe.com	Craig Hilpipe President
<b>Hunyady Auction Services</b>	1440 Cowpath Road Hatfield, PA 19440	USA	(215) 361-9099	www.hunyady.com	Mike Hunyady President
<b>I.R.A.Y. Auction</b>	11935 Hwy 95 NE Foley, MN 56329	USA	(320) 968-7230	www.iraymn.com	Ray Henry Owner
<b>J J Kane Auctioneers</b>	1000 Lenola Road Maple Shade, NJ 8052	USA	(855) 462-5263	www.jjkane.com	Bob Kane Operations
<b>J M Wood Auction Company</b>	3475 Ashley Road Montgomery, AL 36108	USA	(334) 264-3265	www.jmwood.com	Brenda Wood President
<b>Lloyd Meekins &amp; Sons</b>	4070 NC Hwy 211 East Lumberton, NC 28358	USA	(910) 738-1389	www.meekinsauction.com	
<b>LVG Auctions</b>	190 Sunpac Blvd. Brampton, ON L6T 5P4	Canada	(800) 340-7606	www.lvgauctions.com	Richard Kennedy General Manager
<b>Jeff Martin Auctioneers Inc</b>	2236 Hwy 49 Brooklyn, MS 39425	USA	(601) 450-6200	www.jeffmartinauctioneers.com	Jeff Martin Owner
<b>Martin Auction Services LLC</b>	9515 Texas Church Road Clinton, IL 61727	USA	(217) 935-3245	www.martinauction.com	Rob Nord Owner
<b>Musser Bros Auctioneers</b>	3035 Rickenbacker Drive Pasco, WA 99301	USA	(509) 416-6060	www.mbauction.com	Scott Musser Vice President
<b>Myron Bowling Auctioneers</b>	3901 Kraus Lane Hamilton, OH 45014	USA	(513) 738-3311	www.myronbowling.com	Greg Hengehold Managing Partner
<b>Petrowsky Auctioneers</b>	275 Route 32 North Franklin, CT 06254	USA	(860) 642-4200	www.petrowskyauctioneers.com	Sammy Petrowsky Founder
<b>Pro Team Auction Company</b>	1715 Garden Village Dr, Ste A, White Pine, TN 37890	USA	(865) 674-7002	www.proteamauction.com	Alice Webb Marketing Director
<b>Purple Wave Auction</b>	825 Levee Drive Manhattan, KS 66502	USA	(785) 537-7653	www.purplewave.com	Aaron McKee Founder
<b>Ritchie Bros. Auctioneers</b>	9500 Glenlyon Parkway Burnaby, BC V5J 0C6	Canada	(778) 331-5500	www.rbauctions.com	Ravi Saligram CEO
<b>Sullivan Auctioneers LLC</b>	1066 E US Hwy 136 Hamilton, IL 62341-0111	USA	(217) 847-2160	www.sullivanauctioneers.com	Dan Sullivan Owner
<b>Thompson Auctioneers</b>	3519 State Route 235 Fairborn, OH 45325	USA	(937) 426-8446	www.thompsonauctioneers.com	Steve Thompson Owner
<b>Vocon Auctions</b>	4747 NE 14th Street Des Moines, IA 50313	USA	(866) 218-6266	www.govocon.com	Kelly Housby and Kevin Housby Partners
<b>West Auctions</b>	P O Box 278 Woodland, CA 95776	USA	(530) 661-0490	www.westauction.com	Donna Bradshaw President
<b>Yoder &amp; Frey Auctioneers Inc</b>	1670 Commerce Holland, OH 43528	USA	(419) 865-3990	www.yoderandfrey.com	V. Peter Clark President

## CONTROL DEVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Adeunis NA, Inc.</b>	65 Pondfield Rd., Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director of Marketing/ Communications
<b>Cattron Group InterNational</b>	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
<b>Cervis, Inc.</b>	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
<b>Control Chief Corp</b>	200 Williams Street Bradford, PA 16701	USA	(814) 362-6811	www.controlchief.com	Allison Ambrose Marketing
<b>Custom Controls Inc.</b>	#106 30468 Great Northern Ave, Abbotsford, BC V2T 6H4	Canada	(604) 854-3000	www.customcontrolsinc.com	Jeff Creamer Sales Manager
<b>Dalec Electronic Inc.</b>	9335 W Belmont Avenue Franklin Park, IL 60131	USA	(847) 671-7676	www.dalec.com	Tom Marketing Manager
<b>Eaton Wireless</b>	74-1833 Coast Meridian Rd Port Coquitlam, BC V3C 6G5	Canada	(604) 944-9247	www.omnexcontrols.com	Nigel Evans Product Manager
<b>Flodraulics Inc.</b>	3539 N County Road 700 W, Greenfield, IN 46140	USA	(317) 890-3700	www.flodraulics.com	Tyler Ellis Marketing Manager
<b>HBC-radiomatic, Inc.</b>	1017 Petersburg Road Hebron, KY 41048	USA	(859) 689-6400	www.hbc-usa.com	Jeff Allan CEO

## CONTROL DEVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Hetronic USA</b>	4300 Highline Blvd Building A Oklahoma City, OK 73108	USA	(405) 946-3574	www.hetronic.com	Tom Devonshire National Sales Manager
<b>Intercomp</b>	3839 County Road 116 Medina, MN 55340	USA	(763) 476-2531	www.intercompcompany.com	Mike Tetzlaff Industrial Sales
<b>JR Merritt Controls Inc.</b>	55 Sperry Avenue Stratford, CT 06615	USA	(203) 381-0100	www.jrmerritt.com	Doug Mackay Sales
<b>Kar-Tech, Inc.</b>	111 Enterprise Road Delafield, WI 53018	USA	(262) 646-9444 x234	www.kar-tech.com	John Karbassi Vice President, Operations
<b>Laird Technologies</b>	3481 Rider Trail South Earth City, MO 63045	USA	(636) 898-6000 x1186215	www.lairdtechnologies.com	Jannette Avila Communications and Marketing Manager
<b>Loadwise International Ltd.</b>	50 Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
<b>Magnetek</b>	N49 W 13650I Campbell Drive, Menomonee Falls, WI 53051	USA	(262) 783-3500	www.magnatek.com	Lynn Bostrom Marketing
<b>McKee Communications</b>	6381 A Rose Lane Carpinteria, CA 93013	USA	(800) 321-4138	www.mckeeusa.com	Peter McKee President
<b>Microtronics Inc.</b>	2270 Highway 54 Iola, KS 66749	USA	(620) 365-8264	www.microtronicscontrols.com	Steve Cunningham Director of Sales/ Marketing
<b>Mobile Control Systems</b>	1229 Commonwealth Marietta, GA 30064	USA	(678) 581-9613	www.mobilecontrolsystems.com	Bob Kompar President
<b>NBB Controls Inc.</b>	1572 East Parham Road Richmond, VA 23228	USA	(804) 262-4846	www.nbb.de	Frank Capetta Vice President
<b>OEM Controls Inc.</b>	10 Controls Drive Shelton, CT 06484	USA	(203) 929-8431	www.oemcontrols.com	Ken Fried Sales and Marketing
<b>Orlaco Products B.V. North America</b>	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.oralco.com	Peter Dove Sr. Account Manager
<b>Robinson Engineering Company</b>	1914 Silver Street Garland, TX 75042	USA	(972) 272-2001	www.craneboss.com	Jerry Schuman Sales and Marketing Manager
<b>Scanreco</b>	4900 Parkway Drive, Suite 190, Mason, OH 45040	USA	(855) 658-0732	www.scanreco.com	Jason Looman President
<b>Trimble Lifting Solutions</b>	32 West Thebarton Road Thebarton South Australia 5031	Australia	+01161882383537	www.loadsystems.com	Dawn Cirkl General Manager
<b>Wampfler Inc.</b>	8091 Production Drive Florence, KY 41042	USA	(859) 342-8300 x219	www.wampfler.com	Rod Griffith Director of Marketing

## CRANE MANUFACTURERS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Altec, Inc.</b>	210 Inverness Center Drive Birmingham, AL 35242	USA	(205) 991-7733	www.altec.com	Lee Styslinger Chairman/CEO
<b>Amco Veba</b>	Gian Paolo Aschero Bolingbrook, IL 60440	USA	(630) 326-6900	www.fischercrane.com	Lee O'Hara
<b>American &amp; Ohio Locomotive Crane</b>	811 Hopley Avenue Bucyrus, OH 44820	USA	(419) 562-6010	www.ersindustries.com	Craig Goodenough Sales Manager
<b>Auto Crane Company</b>	4707 N Mingo Road Tulsa, OK 74117	USA	(918) 879-8522	www.autocrane.com	John Celoni President/CEO
<b>Bailey Cranes</b>	8111 W. Bradley Road Milwaukee, WI 53223	USA	(414) 446-8412	www.baileycranes.com	Jeff Bailey President
<b>Bigge Crane and Rigging Co.</b>	10700 Bigge Ave. San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Joseph Nelms Vice President
<b>Broderon Manufacturing Corp.</b>	14741 W. 106th Street Lenexa, KS 66215	USA	(913) 888-0606	www.bmccranes.com	George Schildhouse Inside Sales & Marketing Manager
<b>Cargotec Inc.</b>	12233 Williams Road 00180 Helsinki	Finland	+358 20 777 4000	www.cargotec.com	Mika Vehviläinen President
<b>CCSI/Cormach Cranes</b>	61 Augusta Ct. Charles Town, WV 25414	USA	(888) 229-3184	www.ccsi-cranes.com	Steve Carlson Sales & Marketing
<b>CIFA USA Inc.</b>	1515 County Road 1 Tiffin, OH 44883	USA	(419) 558-9891	www.cifausa.com	Walter Vimercati President



<b>Effer North America</b>	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 916-6461	www.efferusa.com	Timothy Smith President
<b>Elliott Equipment Company</b>	4427 South 76th Circle Omaha, NE 68127	USA	(402) 592-4500	www.elliottequip.com	Jim Glazer President
<b>Enerpac</b>	N86W12500 Westbrook Crossing Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Global Business Development Leader
<b>EZ Rig Crane</b>	1500 Palma Dr. 2nd Floor. Ventura, CA 93003	USA	(800) 643-4387	www.ezrigcrane.com	Ray Neria Sales Manager
<b>Fascan Intenational Inc.</b>	4517 North Point Blvd. Baltimore, MD 21219	USA	(800) 632-7226	www.fascan.com	Bernie Faloney President/CEO
<b>Favelle Favco</b>	26360 FM 106 Harlingen, TX 78550	USA	(956) 428-7488	www.favellefavco.com	Michael Khoo President
<b>Fischer Crane Co.</b>	585 E South Frontage Road Bolingbrook, IL 60440	USA	(630) 739-6900	www.fischercrane.com	Lee O'Hara President
<b>FM Gru</b>	6330 148th Street Surrey, BC V3S 3C4	Canada	(604) 599-4200	www.fmgru.it	
<b>Global Crane/Zoomlion</b>	14702 Jersey Shore Drive, Houston, TX 77040	USA	(832) 460-3939	www.globalcranes.com	
<b>Giuffre Bros. Cranes, Inc.</b>	6635 South 13th Street Milwaukee, WI 53221	USA	(414) 764-9200	www.giuffre.com	Todd Proctor General Manager
<b>Hoist Litruck Mfg.</b>	6499 W. 65th Street Bedford Park, IL 60638	USA	(800) 367-5600	www.hoistlift.com	Marty Flaska President
<b>Intensus Engineering, Inc. - XCMG</b>	3691 Route 9 Cold Spring, NY 10516	USA	(845) 265-6000	www.intensus.com	Juan Carlos Salcedo
<b>Iowa Mold Tooling</b>	500 Hwy 18 W Garner, IA 50438	USA	(641) 923-3711	www.imt.com	Tim Worman Bus. Dev. Manager
<b>J&amp;R Engineering Co., Inc.</b>	538 Oakland Avenue Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	John McMahon V.P. Sales & Service
<b>Jekko USA</b>	4517 North Point Blvd. Baltimore, MD 21219	USA	(410) 344-5011	www.jekkousa.com	Rich Caudill Product Manager
<b>Jost</b>	1170 Hayes Grand Haven, MI 49417	USA	(800) 253-5105	www.jostinternational.com	Scott Vandermolen Sales
<b>Jost Cranes GmbH &amp; Co. KG</b>	Herzogplatz 30 85604 Zorneding	Germany	+49 8106 9995580	www.jost-cranes.com	Alexander Jost Managing Director
<b>Kobelco Construction Machinery USA, Inc.</b>	22370 Merchants Way Katy, TX 77449	USA	(281) 888-8430	www.kcmu-cranes.com	Jack Fendrick Vice President
<b>Koenig Cranes North America</b>	2190 A- Carpenter Street Abbotsford, BC V2T 4X2	Canada	(877) 852-2192	www.koenigcranes.com	John Majernik Specialist
<b>Lampson International</b>	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	William Lampson President & CEO
<b>Liebherr Cranes Inc.</b>	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Gerd Booch Area Sales Manager
<b>Liebherr Canada</b>	1015 Sutton Drive Burlington, ON L7L 5Z8	Canada	(800) 387-3922	www.liebherr.com	Tim Petersen Product Manager
<b>Liebherr Cranes USA, Co. Mobile &amp; Crawler Cranes Division</b>	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 245-5251	www.liebherr.com	Daniel Pfitzer Managing Director
<b>Liebherr USA, Co. MCCtec Division</b>	7075 Bennington Street Houston, TX 77028	USA	(713) 636-4050	www.liebherr.com	Tobias Haemmerle Director
<b>Liebherr Tower Crane Division</b>	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 245-5251	www.liebherr.com	Christophe Brandenburg Sales Manager
<b>Lift Systems, Inc.</b>	1505 - 7th Street East Moline, IL 61244	USA	(309) 764-9842	www.lift-systems.com	Bruce Forster President
<b>Lift Systems, Inc. Canada</b>	35 Longworth Ln. Woodstock, ON N4V1G6	Canada	(519) 539-0213	www.lift-systems.com	Darryl Wharram President
<b>Liftech Consultants Inc.</b>	344 20th Street, Suite 360 Oakland, CA 94612	USA	(510) 832-5606	www.liftech.net	Teresa Ferguson Marketing
<b>Linden Comansa America</b>	11608 Downs Road Pineville, NC 28134	USA	(704) 588-7729	www.lcacranes.com	Bill Carbeau Vice President
<b>Link-Belt Construction Equipment</b>	2651 Palumbo Drive Lexington, KY 40509	USA	(859) 263-5200	www.linkbelt.com	Melvin Porter President
<b>Maeda USA</b>	8505 South Loop East Houston, TX 77017	USA	(713) 715-1500	www.maedausa.com	Tony Inman President
<b>Mammoet Americas</b>	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	Martijn Kuipers President, Americas
<b>Mammoet Canada East</b>	2 Bluewater Road Suite 246, B4B 1G7 Bedford, Nova Scotia	Canada	(902) 450-0550	www.mammoet.com	

## CRANE MANUFACTURERS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Mammoet Canada West</b>	12920 – 33 Street NE T6S 1H6 Edmonton, Alberta	Canada	(780) 449-0552	www.mammoet.com	
<b>Manitex International</b>	9725 Industrial Drive Bridgeview, IL 60455	USA	(512) 942-3000	www.manitex.com	Michael Toudjarov Sales & Marketing Coordinator
<b>Manitowoc Cranes (Grove, National Crane, Potain)</b>	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.manitowoccranes.com	Aaron Ravenscroft President
<b>Marine Travelift International Ltd.</b>	12 Stratfield Park Waterlooville, Hants PO7 7XN	UK	44 (0) 2392 230 811	www.marinetraavelift.com	Jason Johnson Sales Manager
<b>Mi-Jack Products, Inc.</b>	3111 W. 167th St. Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager
<b>New Dafang Heavy Industry S&amp;T Co. Ltd.</b>	401 E 34th Street N28C New York, NY 10016	USA	(212) 845-1100		
<b>North American Lifting Equipment (Effer)</b>	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 929-3303	www.efferusa.com	Timothy Smith President
<b>ORMIG SpA</b>	Piazzale Ormig, Regione Carlovini 12/A Ovada, AL 15076	Italy	39 0143 80051	www.ormig.com	Gian Paolo Aschero
<b>Palfinger North America</b>	PO Box 846 Niagara Falls, ON L2E 6V6	Canada	(905) 374-3363	www.palfingernorthamerica.com	Darrell Messman Manager
<b>PM Group S.P.A</b>	Via G. Verdi 22	Italy	39 059 936811	www.pm-group.eu	Stefano Ghesini Vice President
<b>QMC Hydraulic Cranes</b>	18071 Mt. Washington St Fountain Valley, CA 92708	USA	(800) 331-7959	www.qmccranes.com	Rex McAfee Manager
<b>Riggers Manufacturing Company</b>	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
<b>Rigging Gear Sales, Inc.</b>	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Bruce Forster President
<b>Sany America</b>	318 Cooper Circle South Peachtree City, GA 30269	USA	(678) 251-2810	www.sanyamerica.com	Xiang Wenbo President
<b>Sarens USA</b>	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America
<b>Shuttlelift</b>	49 E Yew Street Sturgeon Bay, WI 54235-1976	USA	(920) 743-8650	www.shuttlelift.com	Kurt Minten Director
<b>Spydercrane Sales</b>	5326 W. Mohave Street Phoenix, AZ 85043	USA	(623) 215-1000	www.spydercrane.com	
<b>Stellar Industries Inc.</b>	PO Box 169 Garner, IA 50438	USA	(641) 923-3741	www.stellar-industries.com	David Zrostilk President
<b>Tadano America Corp.</b>	4242 W. Greens Road Houston, TX 77375	USA	(281) 869-0030	www.tadanoamerica.com	Michele Olson Marketing Assistant Manager
<b>Tadano Mantis</b>	1705 Columbia Avenue, Suite 200 Franklin, TN 37065	USA	(615) 794-4556	www.mantiscranes.com	Kozo Yoshida COO
<b>Terex Cranes</b>	9528 West Interstate 40 Service Road Oklahoma City, OK 73128	USA	(877) MY-TEREX	www.terex.com/cranes/en	Chris Johnson Director, North American Sales
<b>Towerwork, Inc.</b>	7 Old Field Road New York, NY 11733	USA	(516) 303-3004	www.towerwork.net	
<b>Valla (A Manitex Company)</b>	9725 Industrial Drive Bridgeview, IL 60455	USA	(708) 237-2076	www.valla-cranes.co.uk	Matthew Priest North American Distribution Manager
<b>Wilbert TowerCranes GMgH</b>	Lohrgraben 2 55444 Stromberg Waldlaubersheim	Germany	+49 6707 66680	www.wilbert.de	Guenter Kronewitter Sales Director
<b>Wolffkran Inc.</b>	45 Main St., Suite 712 Brooklyn, NY 11201	USA	(718) 418-9650	www.wolffkran.com	Todd Yager President
<b>XCMG</b>	Industry Area No. 1 Xuzhou Economic Jangsu 221004	China	86 516 8773 871	www.xcmg.com	Rubens Azevedo Representative
<b>Zoomlion</b>	No. 361 South Ynpen Road Changsha, Hunan P.R. 410013	China	0086-731-88928069	www.zoomlion.com	
<b>Zoomlion Heavy Industry NA, Inc.</b>	14215 Two Mile Road Yorkville, WI 53126	USA	(262) 835-1828	www.zoomlion-na.com	Nicky Zhang Sales Manager, North America

## CRANE MATS, PADS & CRIBBING

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>AlturnaMATS</b>	701 E Spring St., Mailbox #9 Titusville, PA 16354	USA	(800) 438-9336	www.alturnamats.com	Jack Roser President
<b>American Mat &amp; Timber Co.</b>	6422 McGrew Houston, TX 77087	USA	(800) 671-0694	www.americanmatandtimber.com	Mike Robbins Owner
<b>Beasley Forest Products Inc.</b>	P O Box 788 Hazlehurst, GA 31539	USA	(912) 375-5174	www.beasleyforestproducts.com	Rabun Beasley Owner
<b>Better Header</b>	10 Dunton Avenue Deer Park, NY 11729	USA	(631) 242-1962	www.betterheader.com	Mark Foscolo Principal
<b>Bigfoot Construction Equipment Inc.</b>	1111 Broadway Court Woodstock, IL 60098	USA	(888) 743-7320	www.outtriggerpads.com	Jeff Steiner Owner
<b>Bridgewell Resources</b>	10200 SW Greenburg Road Tigard, OR 97223	USA	(503) 872-3404	www.cranemats.com	Vince Walters General Manager
<b>Carolina Mat Inc.</b>	P O Box 339 Plymouth, NC 27962	USA	(252) 793-4045	http://www.carolinamat.com	Ronald Harrison Owner
<b>Composite Advantage</b>	401 Kiser Street Dayton, OH 45404-1639	USA	(937) 723-9031	www.compositeadvantage.com	Scott Reeve President
<b>CraneWorks, Inc.</b>	7795 East Little York Road Houston, TX 77016	USA	(281) 219-7779	www.craneworks.com	Keith Ayers CEO
<b>DICA Outrigger Pads</b>	104 Industrial Road Guthrie Center, IA 50115	USA	(800) 610-3422	www.dicausa.com	Kerry Koberg Strategic Accounts Manager
<b>DIXIEMAT</b>	216 Herring Rd Sandy Hook, MS 39478	USA	(800) 927-2059	www.dixiemat.com	Stephanie Mayfield Marketing Director
<b>Fuqua Sawmill, Inc.</b>	1761 NW 34th Ave. Ocala, FL 34475	USA	(352) 629-4713	www.cranematsflorida.com	Larry Fuqua Owner
<b>Industrial Matting LLC</b>	7327 SW Barnes Road #802, Portland, OR	USA	(888) 543-6287	www.industrialmatting.com	Jeremy Thelin President
<b>Lifton's Inc.</b>	1037 Highway 64 New Richmond, WI 54017	USA	(866) 439-7208	www.liftonsinc.com	Bob Lifton CEO
<b>Lohrberg Lumber</b>	5662 L Road Waterloo, IA 62298	USA	(618) 542-8024		Thor Lohrberg President
<b>Macroplastics</b>	2250 Hungtinton Drive Fairfield, CA 94533	USA	(707) 437-1200	www.macroplastics.com	Warren MacDonald CEO & President
<b>New South Equipment Mats</b>	281 Old Jackson Rd, Ste 10 Madison, MS 39110	USA	(866) 922-6287	www.newsouthmat.com	Barb Davis Marketing Director
<b>Nylacast Ltd</b>	770 Maple Lebanon, PA 17046	USA	(717) 270-5600	www.nylacast.com	Tanver Ali Sales & Marketing Director
<b>Paul Davis Inc.</b>	144 Sawmill Road Amite, LA 70422	USA	(985) 748-7980	www.pauldavisinc.com	Zachary Davis Salesperson
<b>Prime Tech, Inc.</b>	1210 Warsaw Road, Suite 1200 Roswell, GA 30076	USA	(770) 594-8608	www.primetechpads.com	Antje Price President
<b>Quality Mat Company</b>	6550 Tram Road Beaumont, TX 77713	USA	(800) 227-8159	www.qmat.com	Joe Penland Jr. Vice President
<b>Rhino Cribbing Company</b>	1290 Edgewood Drive Pittsburgh, PA 15120	USA	(800) 974-4669	www.rhinocrib.com	Keith Brody Owner
<b>Rigger Core/Rutland Plywood</b>	One Ripley Road Rutland, VT 05701	USA	(802) 747-4000	www.rutply.com	Jack Barrett Owner
<b>Ritter Forest Products</b>	P O Box 1265 Nederland, TX 77627	USA	(800) 426-9570	www.ritterforest.com	Jessica Ritter-Holmes Sales
<b>Sauber Manufacturing</b>	10 North Sauber Road Virgil, IL 60151	USA	(630) 365-6600	www.saubermfg.com	Mike Blaser Sales Manager
<b>Signature Systems Group</b>	50 East 42nd Street, 14th Floor New York, NY 10017	USA	(212) 953-1116	www.megadeckmats.com	Debra Wong Director of Marketing
<b>South Eastern Timber Corporation</b>	P O Box 9289 Coral Springs, FL 33075	USA	(954) 752-3800	www.crane-mats.com	Diane Murray Vice President
<b>Stab Line</b>	4255 Hogan Montreal, QC H2H 2N2	Canada	(514) 521-8552	www.stabline.ca	Pierre-Michels Gendron Sales
<b>Sterling Lumber Company</b>	501 E. 151 Street Phoenix, IL 60426	USA	(708) 388-2223	www.sterlinglumber.com	Carson Sterling Owner
<b>The Mat Rental Company</b>	15237 County Road 20 Jemison, AL 35085	USA	(205) 646-0316	www.matrentalco.com	Janice Harris General Manager
<b>Turtle Plastics</b>	7400 Industrial Parkway Lorain, OH 44053	USA	(800) 756-6635	www.turtleplastics.com	Jennifer Naelitz, Executive Assistant to the President

## CRANE MATS, PADS & CRIBBING *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Viking Mat Company</b>	7615 Smetana Lane Suite 140 Eden Prairie, MN 55344	USA	(800) 733-3801		Nate Bergene Sales Manager
<b>WS Hampshire</b>	365 Keyes Ave Hampshire, IL 60140	USA	(847) 453-8280	www.wshampshire.com	Kevin Pope Regional Sales Manager

## ENGINEERING SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>2DM Associates</b>	9235 Katy Freeway Suite 350, Houston, TX 77024	USA	(713) 461-3500	www.2dm.us	David Duerr, P.E. President
<b>Becht Engineering Company</b>	22 Church Street Liberty Corner, NJ 7938	USA	(908) 394-1260	www.becht.com	Charles Becht President
<b>Chant Engineering Co.</b>	59 Industyral Drive New Britain, PA 18901	USA	(215) 230-4260	www.chantengineering.com	Phil Chant President
<b>Dearborn Companies</b>	7471 W 93 Street Bridgeview, IL 60455	USA	(708) 430-7600	www.dearborncos.com	Michael Walsh President
<b>Haag Engineering</b>	625 Industrial Blvd Sugarland, TX 774789	USA	(281) 313-9700	www.haaglobal.com	Jim Wiethorn Chairman
<b>Howard Shapiro &amp; Associates</b>	303 Merrick Road Suite 400 Lynbrook, NY 11563	USA	(516) 791-2600	www.hisassoc.com	Howard Shapiro, P.E.
<b>Landmark Engineering</b>	2489 Rice Street, Suite 204, Roseville, MN 55113	USA	(651) 482-9750	www.landmarkengineering services.com	Ronald M. Kohner President
<b>Pellow Engineering Services, Inc.</b>	12615 Briar Drive Leawood, KS 66209	USA	(913) 663-0133	www.donpellow.com	Donald Pellow President
<b>Rigging Associates</b>	2144 5th Avenue W Seattle, WA 98149	USA	(206) 817-4939		Michael Lyons Owner
<b>Ruby + Associates</b>	3044 Northwestern Highway, Farmington Hills, MI 48334	USA	(248) 865-8855	www.rubyusa.com	Tricia Huneke President/CEO
<b>Stroh Engineering</b>	102 Vanderbilt Avenue Babylon, NY 11704	USA	(631) 669-7531	www.strohengineering.com	Peter Stroh President
<b>Universal Engineering Services Inc.</b>	7013 6th Street North Oakdale, MN 55128	USA	(615) 714-0552	www.ues.net	Frank Monteiro President

## ESCORT/PILOT CAR & BUCKET TRUCK SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>All Area Escort Service Inc.</b>	P O Box 745 Eastman, GA 31023	USA	(478) 374-1981		John Upshaw Owner
<b>Barney's Pilot Car Equipment</b>	2233 NE 244th Avenue, # 4 Wood Village, OR 97060	USA	(503) 665-4444	www.barneypilotcar.com	
<b>Cheyenne's Pilot Cars Inc.</b>	P.O. Box 122 Brookeville, MD 20833	USA	(301) 774-9061	www.cheyennespilotcars.com	Jennifer Jeffries & Katherine Phipps Co-owners
<b>Comdata Network</b>	5301 Maryland Way Brentwood, TN 37027	USA	(615) 376-6822	www.comdata.com	Gladys Work Sales
<b>Diamond Plus Specialized</b>	1 William Street S Clifford, Ontario N0G 1M0	Canada	(877) 327-4567	www.diamondplusspecialized.com	Ryann Dodd Operations Manager
<b>Duncan Escort Service, LLC</b>	P. O. Box 786 Rosedale, VA 24280	USA	(276) 970-2960		R.R. Duncan Owner
<b>High, Wide &amp; Heavy Oversize Escorts LLC</b>	312 Arthur Kill Road Staten Island, NY 10308	USA	(347) 236-9995	www.highwideheavy.com	John Incontrera President
<b>Interstate Flag Car Inc.</b>	1358 Greenbag Road Morgantown, WV 26508	USA	(304) 296-8111		Herold Berthy, Jr., President
<b>Jim's Pilot Car Services</b>	3619 W Smith Ferry Road Muskogee, OK 74401	USA	(918) 682-9636	www.jimpilotcar.com	Jimmy Lee Owner
<b>Kenco Bucket Trucks, LLC</b>	P.O. Box 478 Channelview, TX 77530	USA	(281) 459-3100	www.highloads.com	Kenny Mungle Owner
<b>Landstar Carrier Group</b>	13410 Sutton Park Drive, South, Jacksonville, FL 32224-5270	USA	(800) 872-9400	www.landstar.com	Michael Cashner Vice President
<b>Linda's Truck Escorting Service, Inc.</b>	7321 Ringertown Road Export, PA 15632	USA	(724) 468-5019		Linda L. Kuhn President

<b>Morrell Oversize</b>	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	morrelloversize.com	Terry Morrell Owner
<b>National Pilot Car Safety Institute</b>	2233 NE 244th Ave., Suite E-4, Wood Village OR 97060	USA	(503) 328-8520	www.npcsi.net	Steven Barnes Director
<b>New York Truck Escort &amp; Permits, Inc.</b>	792 Frankford Road West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckescorts.com	Maureen Mandich President
<b>NKS Piloting</b>	11699 N. 340 Road	USA	(918) 218-5218		Nadia Sokolowski Business Owner
<b>Nova Permits &amp; Pilot Cars</b>	2800 Ave, St-Jean-Baptist, Ste 235, Quebec City, PQ G2E 6J5	Canada	(418) 527-7775	www.novapermits.com	Louis Juneau President
<b>ODS North America</b>	7575 Trans Canada Hwy., Suite 500, St. Laurent, PQ H4T 1V6	Canada	(877) 635-7164	www.odsna.com	Nick Ruscito-Caiissy Director
<b>Pilotcarz4u LLC</b>	P O Box 864 Williston, SC 29853	USA	(803) 266-5149	www.pilotcarz4u.com	Kay Greene-Smith Owner
<b>Pyramid Escort Service</b>	6321 Branderham Dr Memphis, TN 38134	USA	(901) 508-1806		Scott Sartin Vice President
<b>Redneck Enterprises</b>	P.O. Box 734 Ignacio, CO 81137-0734	USA	(970) 884-2369		Dale W. Baird Owner
<b>Route America</b>	P O Box 1409 Frankfort, KY 40602	USA	(866) 577-6883 x222	www.routeamerica.com	Jim Simpson President
<b>Sapphire Rose Pilot Car, Inc.</b>	P.O. Box 115 Converse, TX 78109	USA	(210) 661-6441	www.saphirerosepilotcar.com	Vickie Simmons President
<b>State Line Pilot Car</b>	4052 Stoddard Road Canandaigua, NY 14424	USA	(585) 394-9364	www.statelinepilotcar.com	Freddie Albrecht Owner
<b>Statewide-Nationwide Bucket Truck Escorts</b>	1411 W. 34th Street Houston, TX 77018-6211	USA	(713) 476-9101	www.buckettruckescorts.com	Billy D. Ralls President/CEO
<b>Sunshine Flag Car Service</b>	P.O. Box 262 Hershey, PA 17033	USA	(717) 534-1213		Thomas Alexander President
<b>Sweet 'P' Express - Escort Service</b>	4038 Route 20 Esperance, NY 12066	USA	(518) 527-6524		Pauline Hrycenko Owner
<b>TrailBlazer Pilot Car Services</b>	P O Box 17972 San Antonio, TX 78217	USA	(210) 822-7501	www.trailblazerpilotcar.com	Jake & Pat Kimmel Owners
<b>Triton Transport Ltd.</b>	20331 Duncan Way Langley, BC V3A 7N3	Canada	604-530-5124	www.tritontransport.com	Julie Burgess Communications Mgr.
<b>WCS Permits</b>	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Mollno President
<b>Wheeling Equipment Company</b>	4407 Opelousas Street Lake Charles, LA 70615	USA	(800) 555-1212	www.wheelingequipment.com	Terry Graham President

## FALL PROTECTION

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Bairstow Lifting Products Co., Inc.</b>	1785 Ellsworth Industrial Dr. Atlanta, GA 30318	USA	(800) 241-8990	www.bairstow.com	Robert Bairstow, Jr. President
<b>Buckingham Manufacturing Company Inc.</b>	P O Box 1690 / 11 Travis Avenue, Binghamton, NY 13904	USA	(607) 773-2400	www.buckinghammfg.com	James Pennefeather Vice President/ Sales & Marketing
<b>DBI/SALA</b>	3833 Sala Way Red Wing, MN 55066	USA	(800) 328-6146	www.capitalsafety.com	James Preacher Regional Sales Director
<b>Elk River Inc.</b>	PO Box 1770 Cullman, AL 35056	USA	(256) 739-5959	www.elkriver.com	Paul Doepel General Manager
<b>European Technology Center NA, LLC</b>	930 East Drayton Ferndale, MI 48220	USA	(248) 217-1945	www.etcna.net	Robert Walther Managing Director
<b>Fall-Tech</b>	1306 S. Alameda St. Compton, CA 90221	USA	(323) 752-0066	www.falltech.com	Kelly May Marketing Manager Managing Director
<b>FrenchCreek Fall Safety</b>	100 N. 13th Street Franklin, PA 16323	USA	(877) 228-9327	www.frenchcreek production.com	Stefan Marcella Marketing Coordinator
<b>Guardian Fall Protection</b>	26513 79th Ave South Kent, WA 98032	USA	(800) 466-6385	www.guardianfall.com	Jasson Farrier Vice President, Sales
<b>Latchways Fall Protection</b>	Hopton Park Devizes, Wiltshire SN10 2JP	UK	1.14414E+13	www.latchways.com	Duncan Mathieson Sales
<b>Miller Fall Protection - Honeywell Safety Products</b>	1345 15th Street P.O. Box 271, Franklin, PA 16323	USA	(800) 873-5242	www.millerfallprotection.com	Heidi Henry Inside Sales Representative

## FALL PROTECTION continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>MSA North America</b>	P O Box 427 Pittsburgh, PA 15230	USA	(724) 776-8721	www.msasafety.com	Robert Apel Product Line Manager Fall Protection
<b>RIT Safety Solutions</b>	1900 Enterprise Pkwy, Ste H, Twinsburg, OH 44087	USA	(800) 254-2990	www.ritsafetysolutions.com	Omar Jordan President
<b>Samsel Supply Company</b>	1285 Old River Road Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	Kathleen S. Petrick President
<b>Sperian Protection</b>	900 Douglas Pike Smithfield, RI 02917	USA	(800) 343-3411	www.sperianprotection.com	Shelly Mihalic Sr Product Manager
<b>Standfast</b>	2630 West Bradley Place Unit A, Chicago, IL 60618	USA	(877) 850-8726	www.standfastusa.com	Jay Carman President
<b>Tech Safety Lines</b>	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO
<b>Tractel</b>	51 Morgan Drive Norwood, MA 02062	USA	(800) 421-0246	www.tractel.com	John Basalyga VP & General Manager
<b>Tractel Inc, Div of Griphoist</b>	1615 Wardan Avenue Scarborough, ON M1R 2T3	Canada	(416) 298-8822 x247	www.tractelnorthamerica.com	Nicole Branidis Sales and Marketing
<b>Transportation Safety Apparel</b>	14B Cardinal Street Hilton Head, SC 29926	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
<b>Winsafe Corp.</b>	One Valleywood Drive, Unit 1, Markham, ON L3R 5L9	Canada	(905) 474-9340	www.winsafe.com	Rick McKinlay Sales & Marketing Manager
<b>Woods Logging &amp; Industrial Supply</b>	702 Industrial Way Longview, WA 98632	USA	(360) 577-8030	www.woodsindustrialsupply.com	Brett Doyle Sales Manager

## FINANCIAL SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Alliance Funding Group Inc</b>	3745 West Chapman Avenue, Suite 200, Orange, CA 92868	USA	(800) 978-8817	www.alliancefunds.com	Shawn Donahue Vice President of Sales
<b>Altec Capital Services, LLC</b>	33 Inverness Center Parkway Suite 200, Birmingham, AL 35242	USA	(888) 408-8148	www.alteccapital.com	Shana Foshee Sales & Marketing
<b>CIT Group Inc.</b>	One CIT Drive Livingston, NJ 07039	USA	(973) 740-5000	www.cit.com	Vincent Belcastro Managing Director/ Group Head
<b>DLL Group Canada</b>	3450 Superior Court, Unit 1 Oakville, Ontario, L6L 0C4	Canada	(905) 465-4960	www.dllgroup.com	G. Peter Horan President & CEO
<b>Deutsche Leasing USA, Inc.</b>	190 S. LaSalle St., Suite 2150, Chicago, IL 60603	USA	(312) 678-4265	www.deutsche-leasing.com	Rainer Voelker Head of Vendor Sales
<b>EverBank Commercial Finance, Inc.</b>	One Liberty Lane East Hampton, NH 03842	USA	(603) 601-0084	www.everbankcommercial finance.com	Raymond Sullivan National Sales Manager
<b>FMI Corporation</b>	5171 Glenwood Avenue Raleigh, NC 27612	USA	(919) 785-9236	www.fminet.com	Tom Smith Director of Marketing
<b>GE Capital</b>	201 Main Ave. Norwalk, CT	USA	(203) 229-5717	www.gecapital.com	Ned Reynolds Director
<b>Harry Fry &amp; Associates</b>	291 Main Street West Newbury, MA 01985	USA	(978) 308-1000	www.harryfry.com	Harry Fry President
<b>Heartland Equipment Finance</b>	445 West Oklahoma Avenue Milwaukee, WI 53207	USA	(414) 747-7256	www.heartlandloans.net	Scott Blair President
<b>Industrial IIIE, Inc</b>	17,314 SH 249, Suite 315 Houston, TX 77064	USA	(281) 894-8000	www.iii-inc.com	Patrick Flinn Managing Director
<b>Intek Leasing</b>	152 Eagle Rock Ave Roseland, NJ 07068	USA	(973) 403-7788	www.intekleasing.com	Paul Garfunkel Leasing Specialist
<b>Manitowoc Finance</b>	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.manitowoccranes.com	
<b>Orange Commercial Credit</b>	10121 SE Sunnyside Road, # 300, Clackamas, OR 97015	USA	(888) 266-0211	www.occfactor.com/ regions/tina	Tina Cawthorn Account Representative
<b>PCE</b>	200 E. New England Ave Winter Park, FL 32789	USA	(407) 621-2100	www.pcecompanies.com	Michael Rosendahl Investment Banker
<b>People's Capital and Leasing Corp.</b>	2135 City Gate Lane, Suite 300, Naperville, IL 60563	USA	(630) 780-1021	www.peoples.com	Ethan Powell

<b>Pinnacle Capital</b>	615 Commerce Street, Suite 101, Tacoma, WA 98402	USA	(253) 284-5605	www.pinnaclecap.com	Jill Ginn Cranes Representative
<b>SG Equipment Finance USA Corp.</b>	480 Washington Blvd., 24th Floor, Jersey, City, NJ 07310	USA	(201) 839-1125	www.sgef.us	Tom Vasilakos Director of Industrial Sales
<b>Siemens Financial Services, Inc.</b>	301 Lindenwood Drive, Suite 215, Malvern, PA 19355	USA	(866) 249-4496	www.siemens.com/finance	Scott Morrish Account Executive
<b>Simmons Bank</b>	2050 Hall Johnson Rd. Grapevine, TX 76051	USA	(817) 916-6220	www.simmonsbank.com	Craig Caldwell SVP/Managing Director
<b>SL Financial Services</b>	251 Riverside Avenue Westport, CT 6880	USA	(203) 227-5225	www.slfinancial.com	Nils Boenicke Senior Vice President of Marketing
<b>Sumitomo Mitsui Finance &amp; Leasing</b>	277 Park Avenue, Suite Suite 1500, New York, NY 10172	USA	(212) 224-5478	www.smfl.co.jp	Jeffrey Whitcomb Vice President
<b>Terex Financial Services</b>	200 Nyalá Farm Rd Westport, CT 6880	USA	(503) 245-3232	www.terex.com/en/ products-services/ equipment-financing/index.htm	Josh Curtis National Product Manager
<b>Trinity Vendor Finance</b>	475 Sansome St. 19th Floor, San Francisco, CA 94111	USA	(800) 841-4433	www.trinityvf.com	Alan Adelson Senior Engineer
<b>Wells Fargo Equipment Finance</b>	2700 South Price Road Chandler, AZ 85286	USA	(480) 724-3499	www.wellsfargo.com/ construction	Greg Giauque AVP, Marketing Program Manager

## FREIGHT FORWARDING/LOGISTICS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>1A Intermodal</b>	1460 NW 107th Ave Miami, FL 33172	USA	(305) 629-6266	www.1aintermodal.com	Rick Gonzalez CEO
<b>3Plus Logistics Co.</b>	20250 S. Alameda St Rancho Dominguez, CA, 90221	USA	(310) 667-5167	www.e3pl.com	John Kim Executive Vice President
<b>Access World Logistics Corporation</b>	7 Moonglade Lane Savannah, GA 31411	USA	(912) 352-4248	www.awlcorp.com	Butch Howard Sales & Marketing
<b>American Cargoservice, Inc.</b>	7886 Convoy Court San Diego, CA 92111	USA	(858) 565-4125	www.acssan.com	Ellen Laramie Vice President
<b>American Heavy Moving &amp; Rigging</b>	1391 E. Phillips Blvd Pamona, CA 91766	USA	(909) 469-2827		Cody Sutton CFO
<b>ATS Specialized Inc.</b>	725 Opportunity Drive St. Cloud, MN 56301	USA	(320) 255-7400	www.atsinc.com	Troy Heyne Director of Nat'l & Corporate Accounts
<b>Basil Equipment</b>	31312 Via Colinas, Ste 109 West Lake Village, CA 91362	USA	(818) 991-9694	www.basilcranes.com	Bob Basil President
<b>Bellville Rodair International</b>	7155 Old Katy Rd., #103 Houston, TX 77024	USA	(713) 921-5544	www.bellvillerodair.com	Aubrey Waugh Branch Manager
<b>Bennett International Transport</b>	1001 Industrial Parkway McDonough, GA 30253	USA	(770) 957-1866	www.bennettig.com	Charles Phillips President
<b>C.H. Robinson Project Logistics Ltd</b>	102, 6715 - 8 Street N.E. Calgary, AB T2E 7H7	Canada	(403) 295-1505	www.chrprojectlogistics.com	Paul Pols President
<b>C.I. Services, Inc.</b>	P O Box 91955 Atlanta, GA 30364	USA	(678) 686-0933	www.ciservicesinc.com	Jeffrey Lantz President
<b>Central MN Logistics Inc. dba Roadrunner Transportation Services, Inc.</b>	1139 Franklin Ave Fox Rapids, MN 56379	USA	(320) 656-8848 x17	www.rrts.com	Dave Demuth President
<b>Convoy Logistics Providers Ltd.</b>	482 South Service Road East, Suite 117, Oakville, ON L6J 2X6	Canada	(416) 621-1519	www.convoylogistics.ca	Dona Asciak Fletcher C.E.O
<b>GT Worldwide Logistics</b>	306 East Main Street Carnegie, PA 15106	USA	(866) 966-4999	www.gtlogisticsllc.com	Richard S. Francis, President
<b>Landstar</b>	13410 Sutton Park Drive South, Jacksonville, FL 32224	USA	(877) 287-9495	www.landstar.com	Jim Gattoni President/CEO
<b>Lattice Communications</b>	98 W. Cemetery Rd Fairfax, IA 52228	USA	(888) 926-7541	www.latticebiz.com	Brant Mozina Sr. Manager of Business Development

## FREIGHT FORWARDING/LOGISTICS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Logistics Group International</b>	1426 North Post Oak Road Houston, TX 77055	USA	(713) 957-4812	www.lgiinc.com	Stephen Day President/CEO
<b>McDonough Marine Service</b>	1750 Clearview Pkwy Metairie, LA 70001-2470	USA	(504) 780-8100	www.mcdonoughmarine.com	Eric Anderson Sales Manager
<b>Morrell Oversize, Inc.</b>	10752 171st Ave. NW Elk River, MN 55330-6323	USA	(763) 441-2011	www.morrelloversize.com	Renee Morrell President
<b>NAL Worldwide / Syncreon</b>	1200 Greenbriar Drive Addison, IL 60101	USA	(630) 261-3184	http://www.nal.syncreon.com	Mary Shawl Strategic Sourcing Manager
<b>PartnerShip LLC</b>	29077 Clemens Road Westlake, OH 44145	USA	(800) 599-2902	www.partnership.com/ O4SCRA	Polly Myers Program Manager
<b>Pioneer Heavy Haul Inc.</b>	262 Silberthorn St. Welland, ON, L3B 5N4	Canada	(905) 732-9895	www.pioneerheavyhaul.com	Colton Jones Operations
<b>Q-Link Transportation Services</b>	2425 Matheson Blvd. E, 8th Floor Mississauga, ON L4W 5K4	Canada	(877) 478-9995	www.qlinktrans.com	Todd Moore Operations Manager
<b>Racing Cargo USA, Inc.</b>	22251 Mines Road Laredo, TX 78045	USA	(877) 827-7813	www.racingcargo.com	Edwardo Haros, Director Partner
<b>Red Arrow Logistics</b>	22605 SE 56th Street, Suite 270, Issaquah, WA 98029	USA	(425) 747-7914	www.redarrowlogistics.com	Liz Lasater CEO
<b>The Fogel Co.</b>	4431 California St. San Francisco, CA 94118	USA	(415) 422-0081	www.fogelco.com	Rob Fogel President
<b>Transportation Logistics Systems, Inc.</b>	2510 East 85th Street Kansas City, MO 64132	USA	(816) 931-9479	www.translogsys.com	Melody Warren President and CEO
<b>UNI International</b>	100 Corey Avenue St. Petersburg, FL 33706	USA	(727) 360-2844	www.uniinternational.com	Joseph Schulte President

## INSURANCE/RISK MANAGEMENT

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>A. J. Renner &amp; Associates / Vista Insurance Partners of Illinois, Inc.</b>	6 W Hubbard St., 4th Floor Chicago, IL 60610	USA	(312) 276-2113	www.ajrenner.com	Patrick Nolan Vice President/Broker
<b>Allied Insurance Brokers</b>	4 Gateway Center, 444 Liberty Ave., Suite 400, Pittsburgh, PA 15212	USA	(800) 569-9427	www.alliedinsbrokers.com	Jeff McGeary Executive Vice President, Sales
<b>Association Benefit Resources</b>	6550 South Millrock Drive, Suite 300, Salt Lake City, UT 84121	USA	(801) 937-6700	www.scrachealthplan.com	David Runnells Program Director
<b>Assurance Agency, Ltd.</b>	1750 E. Golf Road Schaumburg, IL 60173	USA	(847) 797-5700	www.assuranceagency.com	Lindsey Malone Marketing
<b>Baldwin &amp; Lyons, Inc.</b>	1099 N. Meridian Street Indianapolis, IN 46204	USA	(800) 644-5501	www.baldwinandlyons.com	Tonya Simms Director
<b>Brennan &amp; Stuart Inc (BSI)</b>	222 Bucklin St LaSalle, IL 61301-3457	USA	(630) 209-3144	www.brennanstuart.com	Chris Kozlowski Sales Executive
<b>Construction Insurance Agency Inc.</b>	11290 Balls Ford Road Manassas, VA 20100	USA	(703) 257-7540	www.const-ins.com	George Pocock President
<b>ECBM</b>	300 Conshohocken State Rd., Suite 405, West Conshohocken, PA 19428	USA	888 313-3226	www.ecbm.com	Chris Ianovale Vice President
<b>EPG Insurance</b>	PO Box 171199 Memphis, TN 38187	USA	(407) 788-6657	www.epginsurance.com	Dale Hendrix Vice President
<b>Great American Group</b>	9 Parkway North, Ste. 300, Deerfield, IL 60015	USA	(847) 943-2094	www.greatamerican.com	Connie Stevenes Marketing Manager
<b>Hays Companies</b>	One South Wacker Drive, Suite 3350, Chicago, IL 60606-4639	USA	(312) 254-3722	www.hayscompanies.com	William Holler Senior Vice President
<b>Insurance Innovators Inc.</b>	130 S Easton Road Glenside, PA 19038	USA	(215) 885-7300	www.iiigroup.com	Rich Marburg COO
<b>McGriff, Seibels &amp; Williams</b>	One Premier Plaza, Suite 300, 5605 Glenridge Drive, Atlanta, GA 30342	USA	(800) 476-2541	www.mcgriff.com	Fred Dawson Senior Vice President



<b>Meadowbrook Insurance Group, Inc.</b>	26255 American Dr Southfields, MI 48034	USA	(248) 204-8145	www.meadowbrookinsgrp.com	Carol Ziecik Vice President
<b>National Interstate Insurance Co.</b>	3250 Interstate Drive Richfield, OH 44286	USA	(330) 659-8900	www.nationalinterstate.com	Tony Mercurio President & CEO
<b>NBIS NationsBuilders Insurance Services, Inc.</b>	2859 Paces Ferry Road, Suite 800, Atlanta, GA 30339	USA	(770) 257-1777	www.nbis.com	Bill Tepe President
<b>Neace Lukens</b>	645 E. Missouri Ave., Suite 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.neacelukens.com	Judy Sivy Senior Account Executive
<b>Norman Spencer Agency Inc</b>	800 East Main Street, Suite A, Lansdale, PA 19446	USA	(215) 809-2160	www.norman-spencer.com	Megan Rose Crane Operators Program
<b>Security Insurance Services</b>	P O Box 510925 New Berlin, WI 53151	USA	(262) 785-9490	www.securityins.net	Lori Averbeck Vice President
<b>Sentry Insurance</b>	1800 North Point Drive, Stevens Point, WI 54481	USA	(715) 346-6333	www.sentry.com	Bill Ferro Director of Sales/ Dealer Operations
<b>South Group Insurance Services</b>	812 Hardy Street Hattiesburg, MS 39402	USA	(601) 545-1643	www.southgroup.net	Gates Goza Agent
<b>Texans Insurance Group</b>	5050 Quorum Drive, Ste 500, Dallas, TX 75254	USA	(972) 991-6677	www.texansinsurance.com	Larry Kufel Marketing
<b>The Horton Group</b>	645 E Missouri Avenue, Ste 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.thehortongroup.com	Bill Horton Owner
<b>USI Insurance Services, LLC</b>	201 Alhambra Circle, Coral Gable, FL 33134	USA	(305) 669-6000	www.usi.biz	Jeffrey Haynes Agent
<b>Vela Insurance Services</b>	311 South Wacker Dr., Suite 3600, Chicago, IL 60606	USA	(312) 725-7691	www.vela-ins.com	David Jordan President
<b>Zurich</b>	7045 College Blvd. Overland Park, KS 66211	USA	(800) 821-7803	www.zurichna.com	Robyn Ziegler

## MARINE SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Lake Michigan Carferry, Inc.</b>	P.O. Box 708 Ludington, MI 49431	USA	(231) 843-1004	www.ssbadger.com	Pat McCarthy Vice President
<b>McDonough Marine Service</b>	1750 Clearview Pkwy., Suite 201 Metairie, LA 70001	USA	(504) 780-8100	www.mcdonoughmarine.com	Eric Anderson Sales Manager

## OEM COMPONENTS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Allied Power Products</b>	6590 SW Fallbrook Place Beaverton, OR 97008	USA	(503) 626-0654	www.alliedpower.com	Matt Haywood Marketing
<b>Avon Bearing Ltd.</b>	1500 Nagle Road Avon, OH 44011	USA	(440) 871-2500	www.kaydonbearings.com	Ron Shaw Remanufacturing Manager
<b>Braden Carco Gearmatic Paccar Winch Division</b>	PO Box 547 Broken Arrow, OK 74013	USA	(918) 251-8511	www.paccarwinch.com	Tom Boham Marketing
<b>Bremserl North America, Inc.</b>	1640 Shanahan Drive South Elgin, IL 60177	USA	(847) 289-3460	www.bremserl.com	Mike Konrad Sales/Marketing Manager
<b>Bridgestone/ Firestone Off Road Tire</b>	535 Marriott Drive Suite 800 Nashville, TN 37214	USA	(800) 905-2367	www.bfor.com	
<b>Carol Crane Rigging and Lifting Technologies</b>	P.O. Box 5605 Pasadena, TX 77508	USA	(713) 475-7181	www.ccrllt.com	Kelly Collins Marketing
<b>Century Tire Inc.</b>	5355 E 39th Avenue Denver, CO 80207	USA	(303) 455-3302	www.centurytireinc.com	Mark Biere President
<b>Continental Tire North America Inc.</b>	1800 Continental Blvd. Charlotte, NC 28273	USA	(704) 583-8825	www.contigentire.com	Cliff Armstrong, Head of ContiTrade the Americas
<b>Cummins Off Highway</b>	500 Jackson Street Columbus, IN 47202	USA	(812) 377-5000	www.cummins.com	Steve Sanders Off-highway Marketing/ Communications Manager

## OEM COMPONENTS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Flash Technology</b>	332 Nichol Mill Lane Franklin, TN 37067	USA	(615) 503-2000	www.flashtechology.com	Wade Collins Director of Business Development
<b>Flite Line USA</b>	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President
<b>Garrod Hydraulics</b>	1050 Locust Point Road York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbusch Sales Representative
<b>Hendrickson</b>	500 Park Blvd., Suite 1010 Itasca, IL 60143	USA	(630) 773-9111	www.hendrickson-intl.com	Rence Oliphant Senior Director of North American Sales
<b>Hercules SLR</b>	520 Windmill Road Dartmouth, NS B3B 1B3	Canada	(902) 482-3125	www.herculeslr.com	Chris Giannou Marketing
<b>Hydra-Slide</b>	5617 4th Line, Rockwood, Ontario, NOB 2K0	Canada	(519) 496-4008	www.hydra-slide.com	Janine Smith Vice President
<b>Hydraforce Hydraulics Inc.</b>	500 Barclay Blvd. Lincolnshire, IL 60069	USA	(847) 793-2300	www.hydraforce.com	David Price Marketing Mgr.
<b>JARP Industries, Inc.</b>	1111 3rd. St. S.E. Waverly, IA 50677	USA	(715) 359-4241	www.jarpind.com	Les Homeister Regional Sales Manager
<b>Kaydon Corp Bearings Div.</b>	2860 McCracken Street Muskeon, MI 49441	USA	(800) 514-3066 x378	www.kaydon.com	Brian Walters Sales and Marketing - Engineered Products
<b>Kinematics Mfg Inc.</b>	2221 W Melinda Lane Phoenix, AZ 85027	USA	(623) 780-8944 x121	www.kinematicsmfg.com	David Pope President
<b>KTSDI, LLC</b>	801 E Middletown Road North Lima, OH 44452	USA	(330) 783-2000	www.ktsdi.com	Ken Timmings Manager
<b>Loadwise International Ltd.</b>	50, Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
<b>MICO</b>	1911 Lee Blvd North Mankato, MN 56003	USA	(507) 625-6426	www.mico.com	Dona Rehome Manager
<b>MTU</b>	39525 MacKenzie Dr. Novi, MI 48377	USA	(248) 560-8186	www.mtu-online.com	Philip Clark Senior Sales Manager
<b>Palmer Johnson Power Systems</b>	1835 Haynes Drive Sun Prairie, WI 53590	USA	(800) 341-4334	www.pjpower.com	Brad Borchers Product Support Engineer
<b>Parker Hannifin Corp.</b>	5035 Parkland Blvd Cleveland, OH 44124-4141	USA	(216) 896-3000	www.parker.com	Jeff Weber Manager
<b>Prinoth Ltd.</b>	1001 J-A Bombardier Street Granby, QC J2J 1E9	Canada	(819) 421-3099	www.prinoth.com	Doug Little Director of Sales
<b>RBC Bearings</b>	102 Willenbrook Road Oxford, CT 06478	USA	(203) 267-7001	www.rbcbearings.com	Dan Hill, Director of Marketing
<b>Rotek Incorporated</b>	1400 South Chillicothe Road Aurora, OH 44202	USA	(330) 995-7271	www.rottek-inc.com	Laura Hanley Market Research
<b>Simard Suspensions, Inc.</b>	1064, boul. Mgr-De Laval Baie-Saint-Paul, Quebec G3Z 2W9	Canada	(418) 435-5347	www.simardsuspensions.com	Georges Cloutier, Assistant Sales Manager
<b>Superior Tire &amp; Rubber Corporation</b>	PO Box 308, 1818 Penna Ave West Warren, PA 16365	USA	(814) 723-2370 x116	www.superiortire.com	Betsy Foley Administrator
<b>TSP (Transport Systems And Products, Inc.)</b>	P.O. Box 4236 Stamford, CT 06907	USA	(203) 656-1644	www.tpsalesandservice.com	Michael LaScala, Vice President Sales and Marketing
<b>Universal Industrial Products</b>	900 E Hamilton Ave Ste 100 Campbell, CA 95008	USA	(408) 996-2958	www.ui-pi.com	Fred Craig U.S. Operations Manager
<b>Watson &amp; Chalin Manufacturing</b>	725 E University Dr McKinney, TX 75070	USA	(972) 547-6020	www.watsonsusensions.com	Keith Rhodes Director of Sales/ Marketing
<b>Winches, Inc.</b>	5070 Ashley Court Houston, TX 77041	USA	(877) 361-8543	www.winchesinc.com	Matt Mundis Marketing

## OPERATOR ASSIST DEVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Adeunis NA, Inc.</b>	65 Pondfield Rd, Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director, Marketing and Communications
<b>Allied Safety Systems</b>	5224 W State Rd Sanford, FL 32771	USA	(407) 321-0722	www.sigalarminc.com	Lance Burney President
<b>Basil Equipment</b>	31312 Via Colinas Ste 109, West Lake Village, CA 91362	USA	(818) 991-9694	www.basilcranes.com	Mike Abrums Director of Operations
<b>Cattron Group International</b>	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
<b>Cervis, Inc</b>	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
<b>Control Chief Corporation</b>	200 Williams Street Bradford, PA 16701	USA	(814) 362-6811	www.controlchief.com	Allison Ambrose Marketing and Graphics Coordinator
<b>Crane Warning Systems</b>	4443 Holden Street Lakeland, FL 33811	USA	(863) 619-5585	www.cranewarning	Amber Soukkala Executive Administrator
<b>Cranesmart Systems</b>	4908 97 St. NW Edmonton, AB T6E 5S1	Canada	(780) 437-2986	www.cranesmart.com	Dean Raboud Graphic Designer
<b>Custom Crane Solutions</b>	P O Box 581 Grove City, OH 43123-0581	USA	(614) 610-4324	www.ccranesolutions.com	Darrin Caldwell Custom Crane Solutions
<b>Eartec/PortAPhone</b>	P O Box 560 Narragansett, RI 02882	USA	(401) 789-8700	www.eartec.com	Leigh O'Connor Marketing
<b>HBC-radiomatic, Inc.</b>	1017 Petersburg Road Hebron, KY	USA	(800) 410-4562	www.hbc-usa.com	Jeff Allan CEO
<b>Hetronic USA</b>	4300 Highline Blvd Bldg. A, Oklahoma City, OK 73108	USA	(405) 946-3574	www.hetronic.com	Tom Devonshire National Sales Manager
<b>Holloway Houston Inc</b>	5833 Armour Drive Houston, TX 77020	USA	(713) 674-5631	www.hhlifting.com	Ezequiel Ortuno Outside Sales
<b>Hydro Electronic Devices (HED)</b>	2120 Constitution Avenue Hartford, WI 53027	USA	(262) 670-5155	www.hedonline.com	Chris Kolbe Vice President of Sales and Marketing
<b>Industrial Magnetics</b>	P O Box 80 Boyne City, MI 49712	USA	(231) 582-3100	www.magnetics.com	Peter Friedrich Strategic Accounts Manager
<b>Intech Video Systems</b>	23301 Vista Grande Dr. Laguna Hills, CA, 92653	USA	(800) 468-3254	www.intecvideo.com	Donald E. Nama II President
<b>Intercomp</b>	3839 County Road 116 Minneapolis, MN 55340	USA	(763) 476-2531	www.intercompcompany.com	Mike Tetzlaff Industrial Sales
<b>Liftex Corporation</b>	48 D Vincent Cr Warminster, PA 18974	USA	(800) 478-4651	www.liftex.com	Mark Kowalick COO
<b>Loadwise International Ltd.</b>	50, Woolmer Way Bordon, Hampshire GU35 9GF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
<b>Loadwise, Inc</b>	18362 Gothard St Huntington Beach, CA 92648-1227	USA	(714) 841-5662	www.loadwise.com	Jim Bennett Owner
<b>Magnetek Material Handling</b>	175 Wall Street Glendale Heights, IL 60139-1985	USA	(800) 288-8178	www.magnetekmh.com	Mike Fedorchak, Inside Sales
<b>Magtrol Inc.</b>	70 Gardenville Pkwy Buffalo, MN 14224	USA	(716) 668-5555	www.magtrol.com	Jennifer Wilkins Marketing
<b>Markload Systems</b>	1118 N Main St Pearland, TX 77581	USA	(281) 485-8600	www.markload.com	Mike Irwin President
<b>Measurement Systems International</b>	14240 Interurban Ave So. Seattle, WA 98168	USA	(206) 433-0199	www.mscales.com	Tim Carroll Marketing Manager
<b>MTS Sensors</b>	3001 Sheldon Drive Cary, NC 27513	USA	(919) 677-2315	www.mts.com	Julie Malinofski, Marketing and Communications
<b>North West Crane LTD, (NWC)</b>	7015 Sparrow Drive Leduc, AB T9E 7L1	Canada	(780) 980-2227	www.norhtwestcrane.com	Don Kurjata Vice President
<b>OptiCrane Inc.</b>	916 West Broadway Vancouver, BC V5Z 1K7	Canada	(604) 813-8392	www.opticrane.com	Paul Roussel Manager
<b>Professional Service &amp; Repair Inc. (PSR Inc)</b>	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500 x26	www.psrinc.biz	Jeff Johnson Sales and Marketing

■ OPERATOR ASSIST DEVICES ■ OPERATOR ASSIST DEVICES ■ OPERATOR ASSIST DEVICES

## OPERATOR ASSIST DEVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>RaycoWylie Systems</b>	2440 Dalton Avenue Quebec City, Qc G1P 3X1	Canada	(888) 252-1957	www.raycowylie.com	Manon Huard U.S. Sales Manager
<b>Scale and Control, Inc.</b>	33100 US-290 Suite B Hockley, TX 77447	USA	(713) 352-3071	www.scaleandcontrol.com	David H. Smith President
<b>Sigalarm</b>	4150 St. Johns Parkway Sanford, FL 32771	USA	(407) 321-0722	www.sigalarminc.com	Lance Burney President
<b>SIKO Products</b>	2155 Bishop Cir. E. Dexter, MI 48130	USA	(734) 426-3476 ext 212	www.sikoproducts.com	Maurizio Masullo President
<b>Straightpoint</b>	1221 Avenida Acaso Suite E Camarillo, CA 93012	USA	(805) 246-1462	www.straightpoint.com	Jeff Miller General Manager
<b>Tractel Inc, Div of Griphoist</b>	1615 Warden Ave Toronto, ON M1R 2T3	Canada	(800) 465-4738 x241	www.tractelnorthamerica.com	Steve Gallagher Marketing Manager
<b>TWG</b>	P O Box 1130 Jenks, OK 74037-1130	USA	(918) 298-8300	www.team-twg.com	Mike Paul Marketing Manager
<b>Trimble Inc.</b>	935 Stewart Drive Sunnyvale, CA 94085	USA	(281) 664-1330	www.trimble.com/ liftingsolutions	
<b>Water Weights</b>	5139 Brook Street, Ste E, Montclair, CA 91763	USA	(909) 626-8316	www.imesinc.com	Jim Jota Manager
<b>WIKA Mobile Control</b>	1540 Orchard Drive Chambersburg, PA 17201	USA	(717) 217-2200	www.wika-mcs.com	Gary Peck General Manager

## PERMITTING SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>AXYS Permits Inc.</b>	467 Waterbury Court Gahanna, OH 43230	USA	(614) 471-9400	www.axyspermits.com	Valerie Daniel Sales
<b>Comdata Network</b>	5301 Maryland Way Brentwood, TN 37027	USA	(615) 376-6822	www.comdata.com	Gladys Work Sales
<b>Hartill Heavy Haul, Inc.</b>	P.O. Box 762 Arbuckle, CA 95912	USA	(530) 476-3820	www.hartillheavyhaul.com	Todd Hartill Vice President
<b>High, Wide &amp; Heavy Oversize Escorts LLC</b>	312 Arthur Kill Rd Staten Island, NY 10308	USA	(347) 236-9995	www.highwideenheavy.com	John Incontrera President
<b>JJ Keller Inc.</b>	3003 Breezewood Lane Neeah, WI 54956	USA	(800) 231-5266	www.kellerpermits.com	Kaitlin Cheramy
<b>Mercury Permits</b>	2006 Highland Avenue Las Vegas, NV 89102	USA	(888) 239-7773	www.mercurypermits.net	Steve Thomas Partner
<b>Morrell Oversize</b>	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	www.morrelloversize.com	Terry Morrell
<b>National Truck Services Group</b>	P.O. Box 56666 Phoenix, AZ 85079	USA	(602) 944-5999	www.gontsg.com	Kathy Herter
<b>New York Truck Escort &amp; Permits, Inc.</b>	P.O. Box 1814 West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckescorts.com	Maureen Mandich President
<b>Nova Permits &amp; Pilot Cars</b>	2800 Ave. St-Jean-Baptist, Ste 235 Quebec City, PQ F2E 6J5	Canada	(418) 527-7775	www.novapermits.com	Louis Juneau President
<b>Permit America</b>	116 Collision Center Drive, Ste. B, Frankfort, KY 40601	USA	(866) 573-7648	www.permitamerica.com	Mary Simpson President
<b>Route America</b>	P O Box 1409 Frankfort, KY 40602	USA	(866) 577-6883 x222	www.routeamerica.com	Jim Simpson President
<b>Sky Guard</b>	2506 Lakeland Drive Suite 403 Flowood, MS 39232	USA	(516) 492-0603	www.skyguard.com	Anthony Del Guercio
<b>State Permits</b>	7049 Mears Gate NW North Canton, OH 44720	USA	(800) 331-4805	www.statepermits.com	
<b>Trans/Mid-American Inc.</b>	14655 California Street Omaha, NE 68154	USA	(402) 493-6156	www.tmanetwork.com	Rick Waymire President
<b>Transport Permits Ltd.</b>	3825 West 9th Street Waterloo, IA 50702	USA	(319) 235-9033	www.tptruckng.com	John and Flo Schall Owners
<b>WCS Permits</b>	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Mollno President
<b>West Chester Permit</b>	P O Box 62293 Cincinnati, OH 45262	USA	(800) 734-3544	www.wcpermit.com	Scott Boehm Vice President, Sales

## PRODUCT SUPPORT/REPAIR

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Bode Technical Services Inc.</b>	234 Columbine Suite 200 Denver, CO 80206	USA	(855) 263-3832	www.bodetechnical.com	
<b>Boomtrux</b>	9516 E. Dr. Martin Luther King Blvd, Suite 1 Tampa, FL 33610	USA	(813) 247-5683	www.boomtrux.com	Carlton Calfee CEO & Founder
<b>BPT Components &amp; Parts Inc</b>	P O Box 4100 Sudbury, ON P3A 5Y9	Canada	(705) 524-8400	www.bpt.on.ca	Tim Edwards Vice President
<b>Certified Boom Repair Service, Inc.</b>	1902 N. 38th Street Tampa, FL 33605	USA	(813) 247-1963	www.certifiedboomrepair.com	Tyler Smith VP Business Development
<b>Contractors SerVice Company</b>	PO Box 2991 Eugene, OR 97402	USA	(541) 556-0517	www.cscparts.com	Ted Brown
<b>Doc Bailey Construction Equipment Inc</b>	9131 San Leandro St #110 Oakland, CA 94603	USA	(510) 638-6243	www.888docbailey.com	Doc Bailey President/CEO
<b>Domson Engineering &amp; Inspection</b>	190 Wilkinson Road Brampton, ON L6T 4W3	Canada	(905) 789-1326	www.domson.ca	Dennis Domeichini
<b>F &amp; M Mafco</b>	P O Box 11013 Cincinnati, OH 45211-1113	USA	(513) 367-2151	www.fmmafco.com	Susan Stegman
<b>Flite Line USA</b>	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President
<b>Garrod Hydraulics Inc.</b>	1050 Locust Point Rd. York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbush Sales
<b>H&amp;E Equipment Services</b>	7500 Pecue Lane Baton Rouge, LA 70809	USA	(225) 298-5200	www.he-equipment.com	Ralf Vieten Vice President Crane/ Reman/Structural Repair
<b>Honnen Equipment</b>	5055 E. 72nd Avenue Commerce City, CO 80022	USA	(303) 287-7506	www.Honnen.com	
<b>KTSDI-Kessler</b>	801 E Middletown Road North Lima, OH 44452	USA	(330) 783-2000	www.ktsdi.com	Ken Timmings Manager
<b>Nord-Lock Inc.</b>	1000 Greg Street Carnegie, PA 15106	USA	(412) 279-1149	www.nord-lock.com	Jason Milburn Marketing
<b>Pro Mac Mfg. Ltd.</b>	2940 Jacob Road Duncan, BC V9L 6W4	Canada	(250) 746-5181	www.promac.bc.ca	Shelley Woodman
<b>Professional Service &amp; Repair Inc.</b>	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales
<b>PVE Cranes &amp; Services Ltd</b>	P O Box 12529 Jacksonville, FL 32209	USA	(904) 765-6686	www.pveusa.com	Tom Wuerdeman Vice President
<b>Pyramid Parts</b>	9501 Allen Drive Cleveland, OH 44125-4603	USA	(216) 642-9600	www.pyramidparts.com	Adam Whittaker Product Manager
<b>R Baker &amp; Son</b>	190 Boundary Road Marlboro, NJ 07746	USA	(732) 222-3553	www.rbaker.com	Art Sferlazzo Director of Business Development
<b>Rotor Electric Ltd</b>	1385 Main Street North Vancouver, BC V7J 1C4	Canada	(604) 985-7024	www.rotorelevators.com	
<b>Servicios De Carga Salerno (SCS) Miami</b>	#PTX T0222, P O Box 527948, Miami, FL 33152-7948	USA	(507) 231-6866	www.salernocranes.com	Omar Salerno Gonzalez President
<b>TVH</b>	16355 S. Lone Elm Rd. Olathe, KS 66062	USA	(913) 829-1000	www.tvh.com	Eric Briease Director
<b>W. L. CraneRepair Inc.</b>	5206 N. Main St. Baytown, TX 77521	USA	(281) 839-6950	www.wlcraneSales.com	Wayne Long Owner
<b>WHECO Worldwide Services</b>	2989 Kingsgate Way Richland, WA 99354-5311	USA	(800) 937-4772	www.wheco.com	Dave Wood President

## BIGGER TRUCKS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Custom Mobile Equipment</b>	439 E High Street Baldwin City, KS 66006	USA	(785) 594-7474	www.versa-lift.com	Gary Dick President/Owner
<b>Doral Equipment Rental</b>	427 E Stewart Street Milwaukee, WI 53207	USA	(414) 530-0059	www.doralequipmentrental.com	Rob Keelan Vice President
<b>Dyer Equipment Co.</b>	25975 Hwy. 14 Ault, CO 80610	USA	(970) 454-3784	www.heavyhaultrailers.net	Roy V Dyer Owner
<b>HMS Lift Inc.</b>	11 Highlander St. St. George, ON NOE 1N0	Canada	(519) 448-1055	www.brutelift.com	Eric Lavigne Manager
<b>Lakeshore Industrial</b>	4514 Browns Drive Two Rivers, WI 54241	USA	(920) 793-2680	www.lakeshorefind.com	Cherri Haskell Office Manager

## RIGGER TRUCKS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Lift Systems, Inc.	1505 7th Street East Moline, IL 61244	USA	(309) 764-9842	www.lift-systems.com	Bruce Forster President
Orion Forklift Trucks	45 Shepherd Road Oakville, ON L6K 2G6	Canada	(905) 844-4164	www.orionlifts.com	Spencer Hawkes
Rigger Lift Mfg Inc.	256 Broadcast Drive Spartanburg, SC 39303	USA	(864) 541-0582	www.riggerlift.com	Dirk Rinz Sales Manager
Rig Ready	3229 Oak St., Suite 114 Hudsonville, MI 49426	USA	(866) 829-0344	www.rigready.com	David Balcom Member/Owner
Taylor Machine Works	650 N Church Avenue Louisville, MS 39339	USA	(662) 773-3421	www.taylorbigred.com	Don Woodruff Director of Sales
Transamerican Equip NC Group	P O Box 399 Matthews, NC 28106-0399	USA	(704) 882-3979	www.trans-american.com	Harry S. Gretz President
White Blaze Equipment Inc.	150 Shirley Avenue Kitchener, ON N2B 2E1	Canada	(519) 585-1320	www.whiteblazeinc.com	Scott Lorentz Owner

## RIGGING GEAR/HARDWARE & WIRE ROPE

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
AAA Rope Splicing Co.	12650 Sibley, P.O. Box 2153, Riverview, MI 48192	USA	(734) 283-1765	www.aaawirerope.com	Robert Matthews President
Abbott & Associates	P.O. Box 1257, East Greenwich, RI 02818	USA	(401) 885-1933	www.vinceabbott.com	Vince Abbott Owner
Acme Rigging & Supply Co., Inc.	3350 North State St., Ukiah, CA 95482	USA	(707) 462-0567	www.acmerigging.com	Steve Enzler President
Actek Mfg	1110 Fullerton Road, City of Industry, CA 91748	USA	(626) 581-3424	www.actekmfg.com	Roger Ma General Manager
ADB Hoist Rings Mfg.	5740 Hunt Road, Valdosta, GA 31606	USA	(248) 388-8446	www.americandrillbushing.com	Benjie Bradshaw General Manager
AJT Equipment USA Inc.	P.O. Box 2272, Savannah, GA 31498	USA	(912) 964-9465	www.ajt-testing.com	Charles Lynch Manager
Alabama Sling Center	4101 Hoke Ave., Dolomite, AL 35061	USA	(205) 744-0230	www.alabamaslingcenter.com	Bruce Gallups Vice President and General Manager
All Material Handling Inc.	345 N Canal St., Suite C1, Chicago, IL 60606	USA	(877) 543-8264	www.allmaterialhandling.com	Peter Brettner President
Alliance Wire Rope Inc.	408 Gibraltar Drive, Mississauga, ON L5T 2P5	Canada	(905) 564-2995	www.alliancewirerope.com	Don Shortt Manager
All-Lifts, Inc.	27-39 Thatcher Street, Albant, NY 12207	USA	(800) 342-4188	www.all-lifts.com	Steve Dewey President and Owner
All-Way Wire Rope & Splicing	P.O. Box 84 #4, Industrial Park Drive, Bowling Green, MO 63334	USA	(800) 920-3330	www.allwayinc.com	Wayne Morris President
ALP Industries Inc	1229 W Lincoln Hwy, Coatesville, PA 19320	USA	(610) 384-1300	www.alpind.com	Shawn Ober President
ALPS Wire Rope Corp.	2530 Production Drive, St. Charles, IL 60174	USA	(630) 893-3888	www.alpswirerope.com	Brad Benner President
American Riggers Supply, Inc.	1010 Kansas Ave., Kansas City, KS 66105	USA	(913) 371-1357	www.americanriggers.com	Chris Hughes Owner
American Rigging	2380 Main St., San Diego, CA, 92113	USA	(619) 233-5625	www.americanriggingsd.com	Bruce Yoder President
American Rigging & Supply Co., Inc.	555 Choctaw Drive, Baton Rouge, LA 70805	USA	(225) 344-7144	www.ameririgging.com	Chris Denova Owner
American Webbing & Fittings	4959 Home Road, Winston-Salem, NC 27106	USA	(336) 767-9390	www.americanwebbing.com	Steve Schroeder President
American Wire Rope & Sling	3122 Engle Road, Fort Wayne, IN 46809	USA	(260) 478-4700	www.awrsling.com	Fritz Bickel Vice President Business Development
Arctic Wire Rope & Supply, Inc.	6407 Arctic Spur Road, Anchorage, AK 99518	USA	(907) 562-0707	www.arcticwirerope.com	Kathi Stanfill Manager
Ashley Sling, Inc.	100 Great Southwest Pkwy, Atlanta, GA 30336	USA	(404) 691-2604	www.ashleysling.com	Jim Luckie Sales Manager
Assembly Specialty Products Inc	14700 Brookpark Road, Cleveland, OH 44135	USA	(800) 211-1379	www.assemblspecialty.com	Jeff Stewart Outside Sales
Associated Wire Rope & Rigging Corp.	8125 Saran Drive, Playa del Rey, CA 90293	USA	(310) 448-5444	www.associatedwirerope.com	Bob Levy Vice President of Operations

<b>Atlas Machinery</b>	1090 W. 2180 North St., Salt Lake City, UT 84116	USA	(801) 322-1300	www.atlasmachinery.com	Larry DuPaix Sales
<b>B.C. Wire Rope &amp; Rigging</b>	2720 East Regal Park Drive, Anaheim, CA 92806	USA	(800) 669-5919	www.bcwire.com	Bill Clark Vice President
<b>Bairstow Lifting Products Co.</b>	1785 Ellsworth Industrial Drive, Atlanta, GA 30318	USA	(404) 351-2600	www.bairstow.com	Robert Bairstow, Jr. President
<b>Baydar &amp; Associates Inc.</b>	60 Walter Havill Drive, Suite 802, Halifax NS B3N 0A9	Canada	(902) 445-2535	www.baydar.ca	Jennifer Vaughan Office Manager
<b>Bilco Wire Rope</b>	1285 Central Ave., Hillside, NJ 07205	USA	(908) 351-7800	www.bilcogroup.com	Barry Lemberg Founder
<b>Bishop Lifting Products, Inc.</b>	125 McCarty Drive, Houston, TX 77029	USA	(713) 674-2266	www.lifting.com	Chris Land Sales Representative
<b>Black Bear Corp.</b>	7688 Carnegie Ave., Fontana, CA 92336	USA	(909) 390-0380	www.blackbearusa.com	Hans Ge Marketing Manager
<b>Boise Rigging Supply</b>	6750 W. Victory Road, Boise, ID 83715	USA	(208) 342-8919	www.boiserigging.com	Scott Black President
<b>Bridon American Corp.</b>	280 New Commerce Blvd, Wilkes-Barre, PA 18706	USA	(570) 822-3349	www.bridonamerican.com	Joseph Budde Sales Director
<b>Brown &amp; Perkins, Inc.</b>	P.O. Box 412, Cranbury, NJ 08152	USA	(609) 655-1150	www.bridonamerican.com	Bill Comly Sales
<b>Cable Cisco</b>	7718 Northport Drive, West Sacramento, CA 95691	USA	(916) 371-6781	www.thecarpentergroup.com	Bernie Martin President
<b>Cable Moore, Inc.</b>	P.O. Box 4067, Oakland, CA 94614	USA	(510) 436-8000	www.cablemoore.com	Greg Moore Owner
<b>Cableco</b>	9816 Arlee Avenue, Santa Fe Springs, CA 90670	USA	(562) 942-8076	www.cabelcorrigging.com	Greg Bailey Sales
<b>Cableworks, Inc.</b>	58 Highland Drive, P.O. Box 651, Putnam, CT 06260	USA	(860) 928-0475	www.cableworksusa.com	John Rauh President
<b>The Caldwell Group</b>	4080 Logistic Parkway Rockford, IL 61109	USA	(815) 229-5667	www.caldwellinc.com	Darrin Noe Director of Sales
<b>Cargo Control USA</b>	P.O. Box 2806, Sanford, NC 27331	USA	(919) 775-5059	www.cargocontrolusa.com	Denise Godfrey Vice President of Sales
<b>CAROL Crane Rigging &amp; Lifting Technology</b>	P.O. Box 5605, Pasadena, TX 77508	USA	(713) 475-7181	www.ccrll.com	Kerry Collings Marketing
<b>Carpenter Group</b>	222 Napoleon St., San Francisco, CA 94124	USA	(415) 285-1954	www.carpentergroup.com	Bernie Martin
<b>Cascade Rigging Inc.</b>	9887 SE Mather Road, Clackamas, OR 97015	USA	(503) 722-7500	www.cascaderigginginc.com	Bob Cushman President
<b>CECA LLC</b>	158 Bails Road, Ripley, MS 38663	USA	(662) 316-3722	www.cecaforge.com	Luke Staten CECA Representative
<b>Certex Inc</b>	1110 Lockwood St, Houston, TX 77020	USA	(713) 674-3000	www.certex.com	Chris Black CEO
<b>Certified Slings, Inc.</b>	P.O. Box 180127, Casselberry, FL 32718	USA	(407) 331-6677	www.certifiedslings.com	Dennis Worswick President
<b>Certified Wire Rope &amp; Testing Inc.</b>	1106 4th St., Nisku, Alberta, T9E 8J2	Canada	(780) 955-9395	www.certifiedwirerope.com	Bonnie Carter Vice President of Customer Service
<b>Chicago Hardware &amp; Fixture Co.</b>	9100 Parklane Ave., Franklin Park, IL 60131	USA	(847) 455-6609	www.chicagohardware.com	Jay Richmond National Sales Manager
<b>Cleveland City Forge</b>	46950 State Route 18 West, Wellington, OH 44090	USA	(440) 647-5400	www.clevelandcityforge.com	Shelly Fairchild Division Marketing Manager
<b>Coffing Hoists</b>	2020 Country Club Road, Wadesboro, NC 28170	USA	(704) 694-2156	www.coffinghoists.com	Tom Trost Director of Sales- Western U.S.
<b>Columbus McKinnon</b>	205 Crosspoint Parkway Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trust
<b>Commercial Group Lifting Products</b>	12801 Universal Drive, Taylor, MI 48180	USA	(734) 947-4000	www.cgift.com	Gar Knight President
<b>Continental Chain</b>	7011 Girard Road, Edmonton, Alberta T6B 2C4	Canada	(780) 437-2701	www.continentalchain.com	Ian McClurg President
<b>Contractors &amp; Industrial Supply Co.</b>	P.O. Box 40391, Nashville, TN 37204	USA	(615) 256-8658	www.cisrigging.com	Eric Schiller COO

## RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Coordinated Wire Rope &amp; Rigging, Inc.</b>	1707 East Anaheim St., Wilmington, CA 90744	USA	(310) 834-8535	www.coordinatedcompanies.com	Bo Kentner Operations Manager
<b>Coordinated Wire Rope of Hawaii, Inc. dba CWR Hawaii</b>	120 Mokauea St., Suite F, Honolulu, HI 96819	USA	(808) 843-2020	www.cwrhawaii.com	David Tavares Manager
<b>Cortland Company</b>	10633 West Airport Blvd, Suite 300 Stafford, TX 77477	USA	(832) 833-8000	www.cortlandcompany.com	Easton Schlender Technical Sales
<b>Crosby Canada</b>	145 Heart Lake Road, Brampton, ON L6W 3K3	Canada	(905) 451-9261	www.crosby.ca	Colin Basinger National Sales Manager
<b>Dakota Riggers &amp; Tool Supply, Inc.</b>	704 East Benson Road, Sioux Falls, SD 57104	USA	(605) 335-0041	www.dakotariggers.com	Ben Kuhns Sales
<b>DCL Mooring &amp; Rigging</b>	4400 North Galvez Street, New Orleans, LA 70117	USA	(504) 944-3366	www.dcl-usa.com	Cody Schnuriger Vice President, Sales and Marketing
<b>Delta Rigging &amp; Tools</b>	21525 North Hwy. 288B Angleton, TX 77515	USA	(281) 595-4940	www.deltarigging.com	Anthony Piwonka Vice President, Sales
<b>Denver Wire Rope &amp; Supply, Inc.</b>	4100 Dahlia St., Denver, CO 80216	USA	(303) 377-5166	www.denverwirerope.com	Edmund Gubanich CEO
<b>Desert Energy Equipment</b>	P.O. Box 13290, Odessa, TX 79768	USA	(432) 381-3321	www.desertenergy.com	Brett Batham President
<b>Detroit Hoist &amp; Crane Co.</b>	6650 Sterling Drive N., Sterling Heights, MI 48312	USA	(800) 521-9126	www.detroithoist.com	Charles Melder Sales Executive
<b>Discount Wire &amp; Sling, Inc.</b>	4836 N.E. 11th Ave., Ft. Lauderdale, FL 33334	USA	(954) 772-7173	www.discountwireandsling.com	William Davis Owner
<b>Diversified Lifting Systems, Inc.</b>	4702 Distribution Drive, Tampa, FL 33605	USA	(800) 752-1214	www.diversifiedlifting.com	Billy Crowe President
<b>Dominion Steel Specialties, Inc.</b>	5301 Polk St., Building 18, Houston, TX 77023	USA	(713) 678-8141	www.dominionsteel.com	Andy Comeaux General Manager
<b>Doleco USA, Inc.</b>	290 Pratt St. Meriden, CT 06450	USA	(203) 440-1940	www.doleco-usa.com	Ralph Albato President
<b>Durabilt by Durbin</b>	2545 S. 25th Ave. Broadview, IL 60155	USA	(636) 463-1272	www.durabiltusa.com	Martin Kicki Operations
<b>E. M. Blue's Sons, Inc.</b>	P.O. Box 9521, Houston, TX, 77261	USA	(713) 926-6007	www.emblues.com	Carl Smith President
<b>Ed's Wire Rope &amp; Rigging, Inc.</b>	11039 I St., Omaha, NE 68137	USA	(402) 614-8811	www.edswirerope.com	Ed Jackson Owner
<b>Elite Sales Inc.</b>	9445 S.W. 40th St., Miami, FL 33165	USA	(305) 262-3105	www.elitesalesinc.com	Randy Gonzalez President
<b>Elko Wire Rope &amp; Mining Supply</b>	4280 E. Idaho St., Elko, NV 89801	USA	(775) 777-3824	www.elkowirerope.com	Neely Hammond Manager
<b>Groupe Industriel DL Inc.</b>	675 Boulevard Lionel-Boulet, Varenes QC J3X 1P7	Canada	(450) 652-5553	www.groupeidl.ca	Natalie St-Amant Vice President of Business Development
<b>Eriez Magnetics</b>	2200 Asbury Road, Erie, PA 16506	USA	(814) 835-6000	www.eriez.com	Dan Zimmerman Director of Business Development
<b>ESCO Corporation</b>	P.O. Box 10123, Portland, OR 97210	USA	(503) 778-6768	www.escocorp.com	Kirk Yoresen Global Product Manager
<b>F &amp; M Mafco/QC21 Lifting Products</b>	9149 Dry Fork Road, Harrison, OH 45030	USA	(513) 367-2151	www.qc21slings.com	Mark Freel Product Specialist
<b>F.D. Lake Company</b>	P.O. Box 8831 3313 Lousma Drive SE, Grand Rapids, MI 49518	USA	(616) 241-5639	www.fdlake.com	Michael Posey General Manager
<b>Feeney Inc.</b>	2603 Union Street, Oakland, CA 94607	USA	(800) 888-2418	www.feeneynec.com	Katrina Ralston President
<b>First Sling Technology</b>	1125 West Hwy 152, Suite 113, Mustang, OK 73064	USA	(877) 453-4778	www.firstsling.com	Linda Summers President & Owner
<b>Franklin Offshore Americas Inc</b>	1325 South Creek Dr., Suite 300, Houston, TX 77084	USA	(281) 578-3828	www.franklin.com.sg	Marilyn Munoz Assistant Sales Manager
<b>French Creek Production</b>	626 13th St., Franklin, PA 16323	USA	(814) 437-1808	www.frenchcreekproduction.com	Jason Wible President
<b>Fresno Wire Rope &amp; Rigging</b>	2360 S. East Ave. Fresno, CA 93721	USA	(559) 268-8885	www.fresnowirerope.com	Edward Mytych Manager



<b>Gosan USA</b>	1926 Spearing St. Jacksonville, FL 32201	USA	(904) 350-9191	www.gosanusa.com	Rocio Santin President
<b>Gunnebo Johnson Corp.</b>	1240 N. Harvard Tulsa, OK 74115	USA	(918) 832-8933	www.gunnebojohnson.com	Kris Cleveland Senior Vice President
<b>Hanes Supply Inc.</b>	55 James E. Casey Drive, Buffalo, NY 14205	USA	(716) 826-2636	www.hanesupply.com	John Kane Director of Marketing
<b>Hercules SLR, Inc.</b>	520 Windmill Road, Dartmouth, NS B3B 1B3	Canada	(902) 482-3125	www.herculesslr.com	Chris Giannou President
<b>Hercules Wire Rope &amp; Sling</b>	P.O. Box 1769, Houma, LA 70363	USA	(985) 876-5511	www.herculeswirerope.com	James LeBlanc Manager
<b>Hessville Cable &amp; Sling</b>	1601 Cline Ave., Gary, IN 46406	USA	(800) 779-8466	www.hessvillecable.com	Ken Randall Owner
<b>Holland RFID, Inc</b>	1340 Burlington, North Kansas City, MO 64116	USA	(816) 268-5749	www.holland1916.com	Sanders Roth Director
<b>Holloway Wire Rope</b>	14620 E. Pine St., Tulsa, OK 74116	USA	(918) 582-1807	www.hollowaywirerope.com	Curt Tuggie Owner
<b>Horizon Cable Service, Inc.</b>	45 North Cooley Drive, Oklahoma City, OK 73127	USA	(405) 789-7125	www.horizoncableinc.com	Bruce Miller Owner
<b>HWP Rigging</b>	1017 Olive Street, Suite 1000 C St. Louis, MO 63101	USA	(314) 436-9019	www.hwprigging.com	Josh Cummings
<b>Ideal Wire Rope</b>	13101 S. Alameda St., Compton, CA 90222	USA	(310) 604-1853	www.idealwirerope.com	Bill Adams Technical Sales
<b>Indusco Wire Rope &amp; Supplies</b>	1200 W. Hamburg St., Baltimore, MD 21230	USA	(800) 727-0665	www.induscowire.com	Gayle Protzko VP - General Manager
<b>Industrial Rigging &amp; Supply</b>	1-25 McLaren Ave., Cambridge, ON N1R 8K9	Canada	(519) 624-9697	www.industrialrigging.ca	Greg Kockrow Plant Manager
<b>Industrial Splicing &amp; Sling Co. LLC</b>	1842 North 109 East Ave., Tulsa, OK 74116	USA	(918) 835-4452	www.industrialsplicing.com	Mike Parham Sales Manager
<b>Industries Lam-E Inc.</b>	1050 Boul. Charest Quest, Quebec, QB G1N 0A3	Canada	(418) 652-9759	www.lam-e.com	Martin Auclair
<b>Intercon Enterprises</b>	1125 Fir Ave., Blaine, WA 98230	USA	(800) 665-6655	www.intercononline.com	A. J. Schenk Vice President of Sales
<b>J.C. Renfroe &amp; Sons</b>	1926 Spearing St., Jacksonville, FL 32201	USA	(904) 356-4181	www.jcrenfroe.com	Joe Pless Marketing Manager
<b>J. Henry Holland</b>	5931 Thurston Ave., Virginia Beach, VA 23455	USA	(757) 460-3300	www.jhenryholland.com	Larry Lusk VP - General Manager
<b>Jergens, Inc.</b>	15700 S. Waterloo Road, Cleveland, OH 44110	USA	(877) 486-1454	www.jergensinc.com	Bob Kucinic National Sales Manager
<b>John A. Batchelor Company, Inc.</b>	5922 Triumph St., Commerce, CA 90040	USA	(323) 262-4125	www.batchelorinc.com	John A. Batchelor, Jr. Owner
<b>John Sakash Co., Inc.</b>	800 Walnut St., Elmhurst, IL 60126	USA	(630) 833-3940	www.johnsakash.com	Bill Sakash President
<b>Jordan Wire Rope</b>	2400 W. 56th, Odessa, TX 79764	USA	(432) 366-6040		Andy Smith
<b>Jtagz</b>	P.O. Box 1084, Yeppoon, QLD 4703	Australia	+61 (1) 49302806	www.jtagz.com	Lauren Keen
<b>Kennedy Wire Rope &amp; Sling</b>	4202 Dividend Drive, San Antonio, TX 78219	USA	(210) 527-0555	www.kwrs.com	Frank Garcia Branch Manager
<b>Kentuckiana Wire Rope &amp; Sling Co.</b>	3335 Industrial Parkway, Jeffersonville, IN 47130	USA	(812) 282-3667	www.kwrinc.com	John Fireovid Operations Manager
<b>Knight Equipment Co., Inc.</b>	P.O. Box 93, 717 N. 15th St., Bowling Green, MO 63334	USA	(573) 324-3212	www.knighteq.com	Ray Knight Owner
<b>Kulkoni Inc.</b>	502 Garden Oaks Blvd. Houston, TX 77018	USA	(713) 691-1234	www.kulkoni.com	Michael Rothermund Vice President of Sales
<b>KWS, Inc.</b>	P.O. Box 470487, Tulsa, OK 74147	USA	(539) 367-2274	www.kwschain.com	Elizabeth Roberts VP Operations
<b>Laclede Chain Manufacturing Co.</b>	1549 Fenpark Drive, Fenton, MO 63026	USA	(636) 680-2320	www.lacledechain.com	Greg Luerkens
<b>Lamco Slings &amp; Rigging Inc.</b>	4960 41st Street Court, Moline, IL 61265	USA	(309) 764-7400	www.lamcoinc.com	William Lambrecht Owner
<b>Landmann Wire Rope Products Inc.</b>	6500 Goodyear Road, Benicia, CA 94510	USA	(707) 748-1700	www.landmannwire.com	Rick Colvin President
<b>Lift-All Company, Inc.</b>	1909 McFarland Dr. Landisville, PA 17538	USA	(800) 909-1964	www.lift-all.com	
<b>Liftex Corporation</b>	780 Falcon Circle, Suite 105 Warminster, PA 18974	USA	(215) 957-9180	www.liftex.com	Stephen Keller National Sales Manager

## RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Lifting &amp; Rigging Specialty Sales, Inc.</b>	2100 West Drive, Greensburg, PA 15601	USA	(724) 552-0083	www.thechainman.com	Harry Coulter Owner
<b>LGH</b>	9925 S. Industrial Drive, Bridgeview, IL 60455	USA	(708) 598-4727	www.rentlgh.com	Patrick Clark National Rental Support
<b>Lift-It Manufacturing Company, Inc.</b>	1603 W. 2nd St., Pomona, CA 91766	USA	(909) 469-2252	www.lift-it.com	Mike Gelskey CEO
<b>LiftPRO International, Inc.</b>	5959 Seville Road, Duluth, MN 55811	USA	(218) 729-9211	www.liftpro.com	Fred Ambli Owner
<b>Linton Rigging Gear Supplies, LLC</b>	6819 Hwy 311, Sellersburg, IN 47172	USA	(812) 246-3515	www.lrgsupplies.com	Ray Linton Owner
<b>Lone Star Rigging</b>	4175 W. Cardinal Drive, Beaumont, TX 77705	USA	(409) 842-2263	www.lonestarrigging.com	Chris Richardson Owner
<b>LUBE-A-BOOM</b>	8151 River Bay Drive East, Indianapolis, IN 46240	USA	(317) 501-1104	www.lubeaboom.com	Jo Roberts VP of Operations
<b>Magna Lifting Products, Inc.</b>	P.O. Box 2290, Blaine, WA 98231	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
<b>Manchester Sling Company</b>	5600 Surrey Square, Houston, TX 77017	USA	(800) 392-5510	www.manchestersling.com	Matt Barlow Sales Manager
<b>Marcal Rope &amp; Rigging</b>	P.O. Box 477, 1862 E. Broadway, Alton, IL 62002	USA	(618) 462-0172	www.marcalrigging	Tom Miller President
<b>Marine &amp; Industrial Supply Co.</b>	150 Virginia St., Mobile, AL 36652	USA	(251) 438-4617	www.marineandindustrial.com	Leroy Benton, III President
<b>Marine Rigging, Inc.</b>	552 Beauregard St., Mobile, AL 36603	USA	(251) 432-1212	www.marinerigging.com	Kinley Bell President
<b>Mazzella Lifting Technologies</b>	21000 Aerospace Pkwy, Cleveland, OH 44142	USA	(440) 239-7000	www.mazzellalifting.com	Bill Franz
<b>Memphis Chain &amp; Cable Services LLC</b>	581 Pear Ave., Memphis, TN 38107	USA	(901) 524-1100		Steve McAlpin Owner
<b>Metro Wire Rope Corporation</b>	553 Lehigh Ave., Union, NJ 07083	USA	(908) 964-3690	www.metrowirerope.com	Jack Gibbons President
<b>Miami Cordage/Florida Wire &amp; Rigging Works</b>	2475 Northwest 38th St., Miami, FL 33142	USA	(305) 636-3000	www.miamicordage.com	Fran Hoffman Marketing Director
<b>Mid America Industries</b>	7701 St. Clair Ave., East St. Louis, IL 62203	USA	(618) 398-5221		Greg Brown Manager
<b>Midco Sling &amp; Cable Co.</b>	9101 West John Carpenter Fwy, Dallas, TX 75247	USA	(214) 688-0444	www.midcosling.com	Doug Dry Owner
<b>Midwest Rigging Supply</b>	2900 Airpark Drive Owensboro, KY 42301	USA	(270) 663-1331	www.mwrigging.com	
<b>Mile High Rigging, Inc.</b>	6400 C. Stapleton Drive S., Denver, CO 80216	USA	(303) 322-3277	www.milehighrigging.com	Steve Cook Owner
<b>Mill Valley Splicing, Inc.</b>	P.O. Box 615, Belchertown, MA 01007	USA	(413) 323-6307	www.millvalleysplicing.com	James Boyko President
<b>Miller Products</b>	100A Sturbridge Road, Charlton, MA 01507	USA	(508) 248-3941	www.millerproducts.net	Paul Jankovic
<b>Millfield Enterprises Mfg. Ltd/ Wirelock</b>	16 Shelley Road Newburn Ind. Estate, Newcastle-Upon-Tyne, NE15 9RT	UK	+44 191 2648541	www.millfield-group.co.uk	John Dodd Technical Support
<b>Modulift UK Ltd</b>	11 New Fields Business Park, UK Stinsford Road, Poole, Dorset BH17 0NF		+44 1202 621511	www.modulift.com	Sarah Spivey Managing Director
<b>Moore Sales Inc.</b>	2539 Data Drive, Louisville, KY 40299	USA	(502) 491-6868	www.mooresalesinc.net	Steve Moore Owner
<b>Muncy Industries</b>	P.O. Box 205, Muncy, PA 17756	USA	(570) 649-5188	www.muncyindustries.com	Ophelia Fetter
<b>Murdock Webbing Company, Inc.</b>	27 Foundry St., Central Falls, RI 02863	USA	(800) 375-2052	www.murdockweb.com	Ray Clarke Vice President of Sales
<b>Napco &amp; Associates, Inc.</b>	P.O. Box 826, Winona, MN 55987	USA	(507) 452-5424		Steve Napieralski Owner
<b>National Industrial Supply Co.</b>	1201 Rochester Road, Troy, MI 48083	USA	(248) 588-1828	www.nischain.com	Mary Brett Rigging Equipment Inspection Expert
<b>Nelson Wire Rope Corp.</b>	3051 Penn Avenue, Hatfield, PA 19440	USA	(215) 721-9333	www.nelsonwirerope.com	Richard Nelson President

<b>New England Crane, Inc.</b>	2 Cedar St., Lewiston, ME 04240	USA	(888) 450-0477	www.newenglandcrane.com	Scott Harding Vice President
<b>New Haven Moving Equipment Co.</b>	13571 Vaughn St., San Fernando, CA 91340	USA	(213) 749-8181	www.newhaven-usa.com	Larry Levine Managing Principal
<b>Newco Manufacturing</b>	13531 Wyandotte St., Kansas City, MO 64145	USA	(816) 942-2860	www.newcomfg.com	Erica Ryles General Manager
<b>Newell Davis Co. Inc.</b>	2962 N. Kerr Ave., Wilmington, NC 28405	USA	(910) 762-3500	www.newelldavis.com	Teresa McGee President & CEO
<b>Norex Manufacturing Co. Ltd.</b>	P.O. Box 2951, Sumas, WA 98295	USA	(604) 888-2100		Norbert Schottko President
<b>Northern Metalic Sales (FSJ) Ltd</b>	10407 Alaska Road, Fort St. John, BC V1J 1B1	Canada	(250) 785-6655	www.northernmetalicfsj.com	Bruce Mitchell General Manager
<b>Oceanside Equipment Ltd</b>	30 Akerly Blvd., Dartmouth, NS B3B 1N1	Canada	(902) 468-4844		Greg Maloney President
<b>Olsen Chain &amp; Cable, Inc.</b>	P.O. Box 970, Cokato, MN 55321	USA	(320) 286-2187	www.olsenchain.com	Dave Camp Vice President
<b>Omaha Slings, Inc.</b>	4406 South 89th St., Omaha, NE 68127	USA	(402) 331-0911	www.omahaslings.com	Daniel Papst President
<b>Pacific Cargo Control, Inc.</b>	18200 S.W. Teton Ave., Tualatin, OR 97062	USA	(800) 821-8431	www.pacificcargo.com	Ken Webb Corporate Sales
<b>Pacific Industrial Supply</b>	1231 S Director St., Seattle, WA 98108	USA	(206) 682-2100	www.pacificindustrial.com	Lee Frazier Owner
<b>Pacific West Wire Rope</b>	6417 Bandini Blvd., City of Commerce, CA 90040	USA	(323) 724-7724	www.pacwestwirerope.com	Dale Kreinkamp CEO
<b>Pacific-Gulf Wire Rope, Inc.</b>	1504 Engineers Road, Belle Chasse, LA 70037	USA	(504) 341-0066	www.pacificgulfwirerope.com	Keith Plaisance President & Owner
<b>Paducah Rigging, Inc.</b>	4150 Cairo Road, Paducah, KY 42001	USA	(270) 443-3863	www.paducahrigging.com	Alex Edwards President
<b>Page Wire Rope &amp; Slings, Inc.</b>	101 Gallier St., Lafayette, LA 70506	USA	(337) 234-0353	www.pagewirerope.com	Don Page President
<b>Peerless Industrial Group</b>	P.O. Box 5349, 1416 E Sanborn St., Winona, MN 55987	USA	(800) 533-8056	www.peerlesschain.com	Christy Kutchma
<b>Pewag Inc.</b>	600 W Crossroads Pkwy., Bolingbrook, IL 60440	USA	(800) 526-3924	www.pewagchain.com	Mike Uhrenbacker President
<b>Pfeifer Wire Rope</b>	600 Industry Drive, Hampton, VA 23661	USA	(757) 825-2544	www.pfeifer.us.com	Michael Pels Key Account Manager
<b>Phoenix Wire Rope &amp; Rigging</b>	700 Cedar Bay Road, Jacksonville, FL 32218	USA	(904) 367-1842	www.phoenixrope.net	Mark Thomas President
<b>Precision Installations &amp; Services, Inc.</b>	30660 8 Mile Road, Farmington, MI 48336	USA	(248) 478-6353	www.precisionriggers.com	Thomas Earle Owner
<b>Premier Wire Rope</b>	5048 Timber Creek Drive, Houston, TX 77017	USA	(713) 979-5300	www.premierwirerope.com	Steve Brewer Vice President of Sales & Marketing
<b>Python America/ASC</b>	1406 W 175th St., East Hazel Crest, IL 60429	USA	(708) 647-4900	www.ascindustries.com	Tony Fastuca Vice President
<b>Rasmussen Equipment Co.</b>	8727 5th Avenue S., Seattle, WA 98108	USA	(206) 762-3700	www.rasmussenco.com	Dave Duffy Rigging Manager/ Outside Sales
<b>Redaelli Wire Ropes</b>	Via A Volta 16, Cologno M.se, Milano 20093	Italy	(864) 414-9348	www.redaelli.com	Paolo Venturini Area Sales Manager
<b>Reel-O-Matic, Inc</b>	6408 S. Eastern Ave., Oklahoma City, OK 73149	USA	(405) 672-0000	www.reelomatic.com	Don Moreau
<b>Ribbon Webbing Corp.</b>	4711 W. Division St., Chicago, IL 60651	USA	(773) 287-1221	www.ribbonwebbing.com	Daniel Perkins Sales
<b>Richerson and Associates</b>	P.O. Box 8540, Mandeville, LA 70433	USA	(985) 867-1415	www.richersonrep.com	Oscar Richerson Owner
<b>Rigging &amp; Tools, Inc.</b>	2031 Lee Ave., Bismark, ND 58504	USA	(701) 224-1122	www.riggingandtools.com	Brad Olsen Owner
<b>Rockford Rigging, Inc.</b>	5401 Main Sail Drive, Roscoe, IL 61073	USA	(815) 877-0007	www.rockfordrigging.com	John Malcottom President
<b>Rocky Mountain Wire Rope &amp; Rigging</b>	2421 S. 2570 West, Salt Lake City, UT 84119	USA	(801) 972-4972	www.rmwr.co	Rob Sutphin General Manager
<b>Roughrider Rigging, Ltd.</b>	118 Faithful Crescent, Saskatoon, SK S7K 8H8	Canada	(306) 651-1834	www.saturnind.com	Gerry Wiederhold
<b>Rouster Wire Rope &amp; Rigging</b>	102 Ridge St., Mabscott, WV 25871	USA	(304) 252-6031	www.rousterwrr.com	Chuck Farmer

## RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>RUD</b>	P.O. Box 367, Hiawatha, IA 52233	USA	(319) 294-0001	www.rud.com	Katie Eliason
<b>Safe 'N Secure USA, LP</b>	2673 Freewood Drive, Dallas, TX 75220	USA	(214) 358-4565	www.safensecureusa.com	Ken Webb Sales & Marketing
<b>Safety Clamps, Inc.</b>	233 Santa Barbara Ave., Jacksonville, FL 32254	USA	(800) 456-2809	www.safetyclamps.com	Scott Griffin Owner
<b>Safety Sling Company</b>	909 Fulton Street, Pittsburgh, PA 15233	USA	(412) 231-6684	www.safetysling.com	Tom Talkowski Vice President
<b>Sam Winer Motors Inc</b>	3417 E. Waterloo Road, Akron, OH 44312	USA	(330) 628-4881	www.samwinermotors.com	Sid Zetzer Finance Executive
<b>Samsel Supply Co.</b>	1285 Old River Road, Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	Kathy Petrick President
<b>Samson Rope Technologies</b>	2090 Thornton Street, Ferndale, WA 98248	USA	(360) 384-4669	www.samsonrope.com	Michelle Jarvis Marketing Strategy Manager-Industrial
<b>Saturn Industries Ltd.</b>	37 Sylvan Way, Winnipeg, Manitoba R2R 1V9	Canada	(204) 633-1529	www.saturnind.com	John Lang
<b>Sea-Fit Inc</b>	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-fit.com	Tyrus Smith Marketing Manager
<b>Sea-Land Distributors, LLC</b>	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-landdistributors.com	Michael Hall Owner & President
<b>SG Consulting</b>	3709 Clearwater Lane, Brookhaven, PA 19015	USA	(610) 876-3445	www.sg-consultants.com	Steven Guydos President
<b>Sharrow Lifting Products</b>	301 Country Road E2 West, New Brighton, MN 55112	USA	(651) 489-1341	www.ccsarrow.com	Bob Downs President
<b>Sheave Source</b>	P.O. Box 100368, 4264 Underwood Industrial Drive, Birmingham, AL 35210	USA	(205) 956-7005	www.sheavesource.com	Pat Cowart Owner
<b>Sheaves, Inc.</b>	195 Leonard Drive, Groton, CT 06340	USA	(866) 344-6774	www.esheaves.com	Stew Walton Owner
<b>Silver State Wire Rope &amp; Rigging</b>	8740 S. Jones Blvd., Las Vegas, NV 89139	USA	(702) 597-2010	www.sswr.net	Pete Rogers President
<b>Sling Tech</b>	124 Brock St., Barrie, ON L4N 2M2	Canada	(705) 719-4899	www.slingtech.com	Mandy Rij Sales & Marketing Manager
<b>Sling-Choker Manufacturing Ltd.</b>	605 Rennie Street, Hamilton, ON L8H 3P8	Canada	(905) 545-5025	www.slingchoker.com	John Walsh Export Manager
<b>Slingmax Rigging Solutions</b>	205 Bridgewater Road Aston, PA 19014	USA	(610) 485-8500	www.slingmax.com	Dan Ross Marketing Manager
<b>Solutio LLC</b>	14819 S.W. Frwy, Suite 301-325, Sugar Land, TX 77478	USA	(281) 773-5001		Jay Zgarba
<b>Source Atlantic Hydraulics, Rigging and Rubber</b>	P.O. Box 967, 331 Chelsey Drive, New Brunswick E2L 4E4	Canada	(506) 648-2620	www.sourceatlantic.ca	Peter Wilson
<b>Southeast Rigging, Inc.</b>	1645 Jessie St., Jacksonville, FL 32206	USA	(904) 355-3423	www.southeastrig.com	Dan Giannattasio President
<b>Southern Weaving Co.</b>	P.O. Box 487, Greenville, SC 29602	USA	(864) 240-9325	www.southernweaving.com	Susan Crow-Granger
<b>Southern Wire Corp.</b>	8045 Metro Road, Olive Branch, MS 38654	USA	(662) 893-4644	www.southernwire.com	Andrew Hall Vice President and General Manager
<b>Southwest Ocean Services</b>	5721 Harvey Wilson Drive, Houston, TX 77020	USA	(713) 671-9101	www.swos.net	Conrad Reynolds Sales Manager
<b>SpanSet, Inc.</b>	3125 Industrial Drive, Sanford, NC 27332	USA	(501) 658-9665	www.spanset-usa.com	Todd Sharp
<b>Suncor Stainless</b>	70 Armstrong Road, Plymouth, MA 02360	USA	(508) 732-9191	www.suncorstainless.com	Loye Young
<b>Superlift Wire Ropes USA, LLC</b>	836 Registry Terrace, Kennesaw, GA 30152	USA	(678) 575-5182		Terry Miller
<b>Tandemloc, Inc.</b>	824 Hwy 101, Havelock, NC 28532	USA	(800) 258-7324	www.tandemloc.com	John DiMartino President
<b>Tennessee Sling Center</b>	3501 Clio Ave., Chattanooga, TN 37407	USA	(423) 634-9005	www.tennesseeslingcenter.com	Terry Roderick General Manager
<b>TTEUFELBERGER Holding AG</b>	Vogelweiderstrasse 50, 4600 Wels	Austria	+43 7242 615-0	www.teufelberger.com	DI Stefan Puchner Product Manager

<b>The Crosby Group</b>	2801 Dawson Road Tulsa, OK 74110	USA	(800) 772-1500	www.thecrosbygroup.com	Ron Vanderslice Marketing Director
<b>The Indusco Group</b>	1200 West Hamburg St., Baltimore, MA 21230	USA	(800) 727-0665	www.induscogroup.com	Keith Dennis General Manager
<b>The Rigging Box, Inc.</b>	8480 Terminal Road, Lorton, VA 22079	USA	(703) 339-7575	www.theriggingbox.com	Selina Conrad President & Manager
<b>The Ulven Companies/Skookum</b>	P.O. Box 280, Hubbard, OR 97032	USA	(503) 651-3175	www.ulvencompanies.com	Brent Nasset
<b>Timco, Inc.</b>	2 Greentown Road, Buchanan, NY 10511	USA	(905) 691-7102	www.timco-eng.com	Dave Dunn Sales Manager
<b>Tractel Inc., Div of Griphoist</b>	1615 Warden Ave., Toronto, ON M1R 2T3	Canada	(800) 465-4738	www.tractelnorthamerica.com	Steve Gallagher Marketing Manager
<b>Trinity Sling Authority, Inc.</b>	2201 E. Loop 820 North, Fort Worth, TX 76118	USA	(817) 589-2404	www.trinitysling.com	Bruce Harten Owner
<b>Tri-State Wire Rope &amp; Supply</b>	2425 West Bridger Road, Salt Lake City, UT 84104	USA	(801) 954-0300	www.tristatewirerope.com	Mike Lister President
<b>Tulsa Chain Inc.</b>	12820 S. Memorial Drive, Unit 126, Bixby, OK 74008	USA	(918) 392-2829	www.tulsachain.com	Mike Robertson President
<b>Ultra-Safe, Inc.</b>	2339 N. 34th Drive, Phoenix, AZ 85009	USA	(602) 484-7713	www.ultrasafeusa.com	Marty Sharp President
<b>Unalloy / IWRC</b>	737 Oval Court, Burlington, ON L7L 6A9	Canada	(905) 790-3112	www.unalloy-iwrc.com	Paul Groeneveld General Manager
<b>Union Sling Company</b>	P.O. Box 565301, Dallas, TX 75356	USA	(800) 999-6207	www.unionsling.com	Stella Emerson HR Executive
<b>Uniroppe</b>	3070 Universal Drive, Mississauga, ON L4X 2C8	Canada	(905) 624-5131	www.uniroppe.com	Knut Buschmann President
<b>Unitex Group USA</b>	P.O. Box 455, 104 Hurrican Creek Road, Piedmont, SC 29673	USA	(864) 846-8690	www.unitexusa.com	Dan Posa
<b>USHA Martin Americas, Inc.</b>	701 Plastics Ave., Houston, TX 77020	USA	(713) 676-1800	www.ushamartin.com	Sunil Sadani Vice President of Commercial
<b>Van Beest USA LLC</b>	P.O. Box 96529, 1357 Sheffielde Blvd., Houston, TX 77015	USA	(713) 674-5753	www.vanbeest.nl	Chris Keffer
<b>Verope USA</b>	11018 Pleasantville Drive, Houston, TX 77029	USA	(832) 831-0132	www.verope.com	Chase Richter Sales Manager
<b>Visco Inc.</b>	P.O. Box 67127, Lincoln, NE 68506	USA	(402) 489-6492	www.viscoinc.com	Larry Isaacson Owner
<b>Voto Manufacturers Sales Company</b>	P.O. Box 1299, 500 N. Third St., Steubenville, OH 43952	USA	(740) 282-3621	www.votosales.com	Janie Mayle President
<b>Washington Wire Rope</b>	8411 Irvington Blvd., Houston, TX 77022	USA	(800) 332-2376	www.wwirerope.com	Robert Tenorio Sales
<b>WESCO Industries, Ltd.</b>	Unit 1, 9663 - 199 A St., Langley, BC V1M 2X7	Canada	(604) 881-3000	www.wescovan.com	Kaz Arai President
<b>West Coast Wire Rope &amp; Rigging Inc.</b>	2900 N.W. 29th Ave., Portland, OR 97210	USA	(800) 275-0482	www.wcwr.com	Steve Hughes
<b>West Equipment Co., Inc.</b>	1545 E. Broadway, Toledo, OH 43605	USA	(419) 698-1601	www.thewestequipment.com	Bernard Erdmann President
<b>Western Sling &amp; Supply Co.</b>	P.O. Box 208, Sedalia, CO 80135	USA	(303) 688-0978	www.westernsling.com	Stan Truitt President
<b>Wireco Worldgroup</b>	2400 W 75th Prairie Village Kansas City, KS 66208	USA	(816) 270-4700	www.wirecoworldgroup.com	Blake Chandler SVP Global Mining & Sales
<b>Wire Rope Industries</b>	5501 Trans-Canada Hwy., Pointe-Claire, QC H9R 1B7	Canada	(514) 426-6647	www.wirerope.com	Vladimir Miladinovic Manager of Business Intelligence
<b>Wire Rope Technology Aachen GmbH</b>	Grunenthaler. 40a, 52072 Aachen	Germany	+49 241 173147	www.ropetechnology.com	Roland Verreet Owner
<b>Wirerope Works, Inc.</b>	100 Maynard St., Williamsport, PA 17701	USA	(570) 327-4206	www.wvrope.com	Bill Austin Marketing Director
<b>Wisconsin Lifting Specialists, Inc.</b>	P.O. Box 1621, 2033 W. St. Paul Ave., Milwaukee, WI 53201	USA	(414) 342-7475	www.masterrigging.com	Dave Cappell Owner
<b>Worldwide Enterprises, Inc.</b>	70 Commercial Way, East Providence, RI 02914	USA	(888) 297-3900	www.wwirerope.com	Jack Petrone Owner

## RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Yale Cordage</b>	77 Industrial Park Road Saco, ME 04072	USA	(207) 282-3396	www.yalecordage.com	Bill Putnam President
<b>Yarbrough Cable Service, LLC</b>	P.O. Box 70184, 950 Stage Ave., Memphis, TN 38107	USA	(800) 395-5438	www.yarcable.com	Frederick Daniel Merrill
<b>Yoke Inc.</b>	12850 E. Florence Ave., Sante Fe Springs, CA 90670	USA	(562) 903-1409	www.yoke.net	Lily Gu

## SAFETY EQUIPMENT AND PRODUCTS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Allied Safety Systems</b>	5224 W State Rd Sanford, FL 32771	USA	(407) 321-0722	www.signalarminc.com	Lance Burney Owner
<b>CM Labs</b>	645 Wellington Street Montreal, Quebec, H3C 1T2	Canada	(514) 287-1166	www.cm-labs.com	Clement Merceron Product Marketing Manager
<b>Custom Crane Solutions</b>	P O Box 581 Grove City, OH 43123-0581	USA	(614) 610-4324	www.ccranesolutions.com	Darrin Caldwell Consultant
<b>Dr. Shrink, Inc.</b>	315 Washington St Manistee, MI 49660	USA	(231) 723-2685	www.dr-shrink.com	Michael Stenberg President
<b>Eartec Co.</b>	145 Dean Knauss Drive Narragansett, RI 02882	USA	(401) 782-4966	www.eartec.com	Leigh O'Connor Marketing Manager
<b>Etiflex Corp</b>	2500 E Hallandale Beach Boulevard Hallandale Beach, FL 33309	USA	(305) 824-9078	www.etiflex.com	Alicia Margulis Vice President
<b>GoLight Inc.</b>	37146 Old Highway 17 Culbertson, NE 69024-8226	USA	(308) 278-3131	www.golight.com	Jeff Shaddock Industrial Service Manager
<b>Infochip Systems Inc.</b>	#203, 1122- 3rd Ave South, Lethbridge, AB T1J 0J6	Canada	(877) 747-2448	www.infochip.com	Tom Bamford Owner
<b>Insulatus Inc.</b>	708 Marks Road, Ste B Valley City, OH 44280	USA	(216) 925-5387	www.insulatus.com	Jonathan Mitchell Sales Manager
<b>Keytroller</b>	3907 W. Martin Luther King Blvd, Tampa, FL 33614	USA	(813) 877-4500	www.keytroller.com	Terry Wickman
<b>Lynn Safety</b>	367 Civic Dr, Ste 8 Pleasant Hill, CA 94523	USA	(925) 609-7646	www.lynnsafety.com	Nancy Hadley Marketing Director
<b>Moore Sales Inc.</b>	2539 Data Drive Louisville, KY 40299	USA	(502) 491-6868	www.mooreSalesinc.net	Steve Moore Owner
<b>MTS Sensors</b>	3001 Sheldon Drive Cary, NC 27513	USA	(919) 677-2315	www.mtssensors.com	Brian Cox Marketing Manager
<b>National Truck Services Group</b>	1622 N Black Canyon Hwy Phoenix, AZ 85009	USA	(602) 944-5999	www.gontsg.com	Nicole Wendt Senior Account Manager
<b>Orlaco Products B.V. North America</b>	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.orldaco.com	Peter Dove Account Manager
<b>Pacific Systems Solutions</b>	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	David Catanzaro CEO
<b>Safety Resources Unlimited, Inc.</b>	4800 S.W. 20th Street Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Jennifer Sale President
<b>Sigalarm</b>	4150 St. John's Parkway Suite 1002 Sanford, FL 32711	USA	(407) 321-0722	www.sigalarminc.com	Lance Burney President
<b>SMIE</b>	151-217 Voie H Impasse des Bruyères, 06370 Mouans-Sartoux	France	+33 182770070	www.smie.com	Jean-Charles Delplace CEO
<b>Tech Safety Lines</b>	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO
<b>Tecsis GmbH</b>	Carl-Legien-Strasse 40 Offenbach am Main, 63073	Germany	49-69-5806-9480	www.tecsis.de	Matthias Winkel Sales
<b>The Center for Construction Research and Training</b>	8484 Georgia Ave. Suite 1000 Silver Spring, MD 20910	USA	(301) 495-8523	www.cpwr.com	Mary Watters Director of Communications
<b>The Equipment Lock Co.</b>	P O Box 4308 Winchester, VA 22604	USA	(540) 722-1011	www.equipmentlock.com	Janene Ferris Marketing Manager
<b>Transportation Safety Apparel</b>	14B Cardinal Street Hilton Head, SC 29926	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
<b>Unimar</b>	3195 Vickery North Syracuse, NY 13212	USA	(315) 579-3777	www.unimar.com	Thad Fink President

**SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT**

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>A1A Software</b>	1577 S. 8th St. Fernandina Beach, FL 32034	USA	(904) 430-0355	www.A1ASoftware.com	Tawnia Weiss President
<b>Alert Management Systems</b>	617 N 17th St. Suite 250, Colorado Springs, CO 80904	USA	(719) 634-7755	www.alert-ims.com	Kara Longmire President/CEO
<b>AnyDATA Corp</b>	5 Oldfield Irvin, CA 92618	USA	(949) 900-6040	www.anydata.com	Anne Simons
<b>Avontus Software Corp.</b>	2150 Shattuck Ave, Suite 750 Berkeley, CA 94704	USA	(800) 848-1860	www.avontus.com	Ali Hajighafouri Global Sales Director
<b>Cervis, Inc.</b>	170 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Norman Burch Business Development Manager
<b>CIE-Tech Inc.</b>	5990 Auteuil Avenue Brossard, QC J4Z 1N2	Canada	(450) 923-1458	www.loadxpert.com	Cedric Guerrier Sales & Marketing
<b>Computer Ease</b>	6460 Harrison Ave, Ste 200 Cincinnati, OH 45247	USA	(800) 544-2530	www.construction-software.com	Amy Fox Vice President
<b>Critigen</b>	6161 S Syracuse Way Greenwood Village, CO 80111	USA	(303) 7060990	www.critigen.com	Ken Hill Sales
<b>Distributor Computer Systems</b>	623 Fellowship Road Mt Laurel, NJ 08054	USA	(856) 813-1750	www.dcs-success.com	Brian Campbell Director of Marketing
<b>Fleet Cost &amp; Care</b>	865 S Fort Street Detroit, MI 48217	USA	(800) 281-9445	www.fleetcostcare.com	Jack Curran Director of North American Sales
<b>Fleet Management Solutions Inc.</b>	3426 Empresa Dr, Ste 100, San Luis Obispo, CA 93401	USA	(805) 787-0508	www.fmsgps.com	Mike Jarvinen VP Marketing
<b>Genisys Software Inc.</b>	8601 73rd Ave N - Suite 21, Brooklyn Park, MN 55428	USA	(763) 391-6133	www.genisys.com	Ray Bonestroo President
<b>Haag Engineering Co.</b>	625 Industrial Blvd. Sugar Land, TX 77478-2819	USA	(281) 313-9700	www.haagengineering.com	Dustin Childress Assistant Vice President
<b>Hook Cam / Pacific Solutions</b>	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	Emily B. Hayne Marketing Manager
<b>InfoChip Systems Inc.</b>	111 Northwood Circle Wetaskiwin, AB T9A 3L4	Canada	(877) 747-2448	www.infochip.com	Chris Gelowitz President
<b>LiftPlanner Software</b>	105 Geneva Blvd Burnsville, MN 55306	USA	(952) 435-6126	www.liftplanner.com	Jim Meehan Owner
<b>McLeod Software</b>	2550 Acton Road Birmingham, AL 35243	USA	(877) 362-5363	www.McLeodSoftware.com	Rick Halbrooks Vice President of Sales
<b>N4 Systems Inc.</b>	111 Queen Street East, Suite 240, Toronto, ON M5C 1S6	Canada	(647) 477-6975	www.n4systems.com	Somen Mondal Vice President of Sales & Marketing
<b>Netarus LLC</b>	4855 Brookside Ct. Unit B Norfolk, VA 23502	USA	(757) 819-4600	www.hoistcam.com	Chris Machut Chief Technology Officer
<b>Orion Software</b>	6000 Cote-des-Neiges, Suite 240, Montreal, Quebec H3S 1Z8	Canada	(514) 484-9661	www.orion-soft.com	Andre Gilbert President
<b>PeopleNet</b>	4400 Baker Road Minnetonka, MN 55343	USA	(888) 346-3486	www.peoplenetonline.com	Brian McLaughlin President
<b>Point of Rental Software</b>	1901 N State Hwy 360, Ste 340, Grand Prairie, TX 75050	USA	1-(800)-944-7368	www.point-of-rental.com	Greg Bennett Vice President of Sales
<b>ProMiles Software</b>	P O Box 398 Bridge City, TX 77611	USA	(409) 697-2587	www.promiles.com	Tony Stroncheck President, Sales & Marketing
<b>Qualcomm Inc</b>	5775 Morehouse Dr. San Diego, CA 92121	USA	(858) 587-1121	www.qualcomm.com	Emily Kilpatrick Director of Public Relations

SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT ■ SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT

## SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Rental Result Group</b>	Unit B4, Lowfields Close Elland West, Yorkshire HX5 9DX	UK	+1 (480) 777 7130	www.rentalresult.com	Julie Masters Marketing Manager
<b>RMI Corporation</b>	40 Darling Drive Avon, CT 06001	USA	(800) 252-5011	www.rmiusa.com	Stephanie Fritz Sales and Marketing Executive
<b>Senarc Systems, LLC - Visual Dispatch</b>	979 Doral Dr., Suite 1419 Bartlett, IL 60103	USA	(877) 736-2722	www.senarc.com	Chris Kinser President
<b>SENSIM Inc.</b>	5990 Ave Auteuil	Canada	(450) 923-1458	www.loadxpert.com	Vilas Sankar Business Development
<b>Sky Guard</b>	2506 Lakeland Dr, Ste 403 Flowood, MS 39232	USA	(516) 492-0603	http://www.skyguard.com	Anthony Del Guercio National Sales
<b>SmartEquip Inc.</b>	83 East Ave Ste 101 Norwalk, CT 06851	USA	(203) 604-1311	www.smartequip.com	Phil Silver Vice President, Sales & Marketing
<b>Solutions By Computer</b>	191 Chestnut Street Springfield, MA 01103	USA	(413) 737-0499	www.solutionsbycomputer.com	Jack Shea Founder
<b>EvokedSet Limited</b>	Davidson House, Forbury Square, Reading, Berkshire RG1 3EU	UK	+44 (0) 844 870 8025	www.evokedset.com	Nicky Denovan (Davis) Director
<b>Tekla</b>	1075 Big Shanty Rd NW, Suite 175, Kennesaw, GA 30144	USA	(770) 426-5105	www.tekla.com	Mary Chiaffredo Marketing Manager
<b>Telogis</b>	20 Enterprise, Ste 100 Aliso Viejo, CA 92656	USA	(949) 389 5500	www.telogis.com	Tina Shilling Marketing Director
<b>Texada Software</b>	7B-291 Woodlawn Rd W Guelph, ON N1H 7L6	Canada	(519) 836-7073	www.texadasoftware.com	Brian Spilak CEO
<b>The JobClock</b>	27001 Agoura Rd, Suite 280, Calabasas, CA 91301	USA	(888) 788-8463	www.exaktime.com	John O'hara President
<b>The Karma Group</b>	118 S. Adams St. Green Bay, WI 54313	USA	(920) 432-6685	www.attainkarma.com	Ellen Beardsley-Wildeman Media Director
<b>Timmons Group</b>	117 S. 14th Street, Suite 303, Richmond, VA 23219	USA	(804) 521-1065	www.timmonsgis.com	Lowell Ballard Principal, Director of Geospatial Solutions
<b>WennSoft</b>	5355 S. Moorland Street New Berlin, WI 53151-1187	USA	(262) 821-4100	www.wennsoft.com	Kim Behrens, Senior Marketing Manager
<b>Visual Dispatch</b>	979 Doral Drive Bartlett, IL 60103	USA	(877) 736-2722	www.senarc.com	Chris Kinser President
<b>Wet Collect</b>	1001 Boulders Parkway, Suite 300, Richmond, VA 2322	USA	(804) 200-6438	www.wetcollect.com	Chris Dodson President
<b>WrightPlan Incorporated</b>	30 Dupont St. East, Ste 204, Waterloo, ON N2J 2G9	Canada	(519) 489-2320	www.wrightplan.com	Michael Cox CEO
<b>Wynne Systems Inc.</b>	2603 Main Street, Suite 710, Irvine, CA 92614	USA	(949) 224-6300	www.wynnesystems.com	John Bureau Director of Sales & Marketing

## SPECIALIZED RIGGING/LIFTING MANUFACTURERS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>American Heavy Moving &amp; Rigging</b>	11532 East End Avenue Chino, CA 91710	USA	(909) 590-5662	www.americanheavymoving.com	Kirk Martin Vice President
<b>Bardex Corporation</b>	6300 Lindmar Drive Goleta, CA 93117	USA	(805) 964-7747	www.bardex.com	Max Whitley Sales
<b>Bigge Crane &amp; Rigging</b>	10700 Bigge Avenue San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Weston Settlemier President
<b>Buckingham Structural Moving Equipment</b>	10 Birch Lane Bernville, PA 19506	USA	(610) 488-8969	www.buckinghamequipment.com	Kendal Siegrist Sales Manager
<b>Columbus McKinnon Corp.</b>	205 Crosspoint Pkwy Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trost Director of Sales-Rigging
<b>Cometto S.p.A.</b>	Via Cuneo, 20 Borgo San Dalmazzo (CN) 12011, Italy	Italy	+39 0171 263300	www.cometto.com	Alberto Di Stefano Sales Manager



<b>Edwards Moving &amp; Rigging, Inc.</b>	200 Everett Hall Road Shelbyville, KY 40065	USA	(502) 633-1961	www.edwardsmoving.com	John Vaughan Senior Vice President
<b>Enerpac</b>	N86 W12500 Westbrook Crossing, Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Global Business Development Leader
<b>Engineered Rigging</b>	300 Industrial Blvd Russellville, AR 72802	USA	(219) 712-4579	www.engineeredrigging.com	Christopher Cox President
<b>Engineered Heavy Services</b>	4116-34th Avenue NE, # B, Everett, WA 98205	USA	(425) 259-0213	www.genps.net	Greg Nordholm Owner
<b>EzRig Crane</b>	1500 Palma Dr. 2nd Floor, Ventura, CA 93003	USA	(805) 643-4387	www.ezrigcrane.com	Andy Collins
<b>Fagioli Inc.</b>	21310 Highway 6 Manvel, TX 77578	USA	(281) 997-3434	www.fagioli.com	Edoardo Ascione President
<b>Faymonville Distribution</b>	Duarrefstrooss 8, L-9990 Weiswampach	Luxembourg	352 26 90 04 155	www.faymonville.com	Paul Hönen Sales Manager
<b>GKS Lifting &amp; Moving Solutions</b>	300 East Auburn Avenue Springfield, OH 45505	USA	(937) 324-8867	www.gksweb.com	Andrew Wal Operations Manager
<b>Goldhofer Inc.</b>	7401 Riviera Boulevard Miramar, FL, 33023	USA	(954) 668-2380	www.goldhofer.us	Stefan Kohler Vice President of Sales, Transport Technology
<b>Greenfield Products LLC</b>	3111 West 167th Street Hazel Crest, IL 60429	USA	(708) 331-3115	www.greenfieldpi.com	Gustavo Anzola (Gus) Sales Manager
<b>Guay, Inc.</b>	1160 Bouvier St Quebec City, QC	Canada	(418) 628-8460	www.gruesguay.com	Jean-Marc Baronet President
<b>Hilman Rollers</b>	12 Timber Lane Marlboro, NJ 07746	USA	(732) 462-6277	www.hilmanrollers.com	Jeff Hill Director of Marketing
<b>Holland Moving &amp; Rigging Supplies</b>	35545 Hwy 69 Forest City, IA 50436	USA	(641) 585-3630	www.hmrssupplies.com	Chris Holland President
<b>Hydra-Slide Ltd.</b>	84 Royal Road Guelp, ON N1H 1G3	Canada	(519) 900-1450	www.hydra-slide.com	Janine Smith Vice President
<b>Hydraulic Skidding Systems Industrial Inc.</b>	12 Highlander Street St. George, Brant, ON NOE 1N0	Canada	(519) 448-3919	www.hydraulicsskidding systems.com	Richard Bisch President/Owner
<b>Industrial Magnetics, Inc.</b>	1385 M-75 South Boyne City, MI 49712	USA	(231) 582-3100	www.magnetics.com	Dennis O'Leary President
<b>Industrie Cometto S.P.A.</b>	12011 Borgo S. Dalmazzo Cuneo, Via Cuneo, 20	Italy	+39 0171 263300	www.cometto.com	Giovanni Monti Sales Director
<b>J&amp;R Engineering Co. Inc.</b>	538 Oakland Avenue Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	John McMahon VP Sales & Service
<b>Kitchen's Crane &amp; Equipment</b>	7913 Dunnotar Ct. Chesterfield, VA 23838	USA	(804) 814-4844	www.kitchensequipment.com	Eddy Kitchen Director
<b>Lampson International</b>	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	Bill Lampson President & CEO
<b>Liftking Manufacturing Corporation</b>	7135 Islington Ave Woodbridge, ON L4L1V9	Canada	(905) 265-3965	www.liftking.com	Jeff Cockerton General Manager
<b>Lift Systems, Inc.</b>	P O Box 906 Moline, IL 61266	USA	(309) 764-9842	www.lift-systems.com	Brian Wagner VP Sales and Marketing
<b>Logistic Dynamics, Inc.</b>	155 Pineview Drive Amherst, NY 14228	USA	(541) 306-6732	www.ldspecialized.com	JB Baker General Manager
<b>MAGNA Lifting Products, Inc.</b>	P O Box 2290 Blaine, WA 28931	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
<b>Mammoet USA</b>	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	Martijn Kuipers President, Americas
<b>Mid-Atlantic Lift</b>	309 Roxbury Industrial Court Charles City, VA 23030	USA	(804) 387-9373	www.midatlanticlift.com	Travis Hall Manager
<b>Mi-Jack Products</b>	3111 W 167th Street Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager Director
<b>Modulift UK Ltd</b>	11 New Fields Business Park Stinsford Rd, Poole BH17 0NF	U.K.	(0) 1202 621511	www.modulift.com	Malcolm Peacock Business Development Manager
<b>Power Pusher</b>	546-2895 Derry Road East Mississauga, ON L4T 1A6	Canada	(905) 764-6942	www.pushorpull.com	Slim Baksh VP Sales and Marketing
<b>Riggers Manufacturing Company</b>	PO Box 506 Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
<b>Rigging Gear Sales, Inc.</b>	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Benjamin Forster General Manager
<b>Sarens USA</b>	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America

The **EASIEST** tool  
to manage employee  
safety training  
**All in one place!**



- OSHA 10/30 Online • First Aid/CPR • HAZWOPER
- PEC • Crane certification (incl NCCCO) and more...



Register/pay in  
one place



National  
coverage



24Hr  
booking



Dedicated  
Acct Mgr



No booking  
fees

**easybook**  
**training**  
training for safety

1000s OF TRAINING COURSES -  
ONE EASY SEARCH TOOL

See how easy it is. Book your next class at:

**[www.easybooktraining.com](http://www.easybooktraining.com)**

e-mail: [info@easybooktraining.com](mailto:info@easybooktraining.com) Tel: 480-401-0737



## SPECIALIZED RIGGING/LIFTING MANUFACTURERS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Shuttlelift</b>	49 E. Yew Street Sturgeon Bay, WI 54235	USA	(920) 743-1522	www.shuttlelift.com	Kurt Minten Sales Director
<b>TransWorld Manufacturing</b>	6109 Dean Martin Drive Las Vegas, NV 89118	USA	(702) 798-8920	www.twm-usa.com	Crystal Dieleman, President
<b>Water Weights Inc.</b>	470 Satellite Blvd NE Suwanee, GA 30024	USA	(678) 730-4180	www.waterweightsinc.com	Jim Jota Marketing Manager

## TRAINING CERTIFICATION & INSPECTION SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>ACRA Enterprises</b>	5950 Red Arrow Hwy Stevensville, MI 49127	USA	(269) 429-6240	www.acratech.com	Jerry Klinke Owner
<b>All Crane Training USA Inc.</b>	9131 San Leandro Street #110, Oakland, CA 94603	USA	(510) 638-6243	http://actuinc.com	Stephanie Carmignani Owner
<b>All Test &amp; Inspection</b>	9998 Goodhue St N E Blaine, MN 55449	USA	(763) 780-2312	www.alltest.com	Scott Winters Vice President
<b>AmCrane</b>	2544 Stoneview Road Orlando, FL 32806	USA	(407) 709-3268	www.amcranes.com	Burt Thorpe Training Manager
<b>America Crane Training Services Inc.</b>	PO Box 740177 Orange City, FL 32774	USA	(386) 843-9726	www.americacranetraining.com	Bonna Hastings President
<b>American Crane Training &amp; Consulting</b>	PO Box 760 Claremont, CA 91711	USA	(805) 314-4121	www.americancranetraining.com	Greg Peters Owner
<b>American International Crane Bureau – AICB</b>	12514 Woody Road Pearland, TX 77581	USA	(281) 871-1863	www.cranebureau.com	Justin Meade Operations & Development Manager
<b>American Test Center</b>	2773 Prairie Drive River Falls, WI 54022-0408	USA	(800) 451-9087	www.atctest.com	Dennis Ireland President
<b>Apprenticeship &amp; Skill Improvement Program</b>	19800 W South Arsenal Rd Wilmington, IL 60481	USA	(815) 722-3201	www.asiportal150.org	James M. Sweeney Chairman
<b>Arxcis Inc.</b>	PO Box 689 Kingston, WA 98346	USA	(360) 297-3693	www.arxcis.com	Myron Lee Co Founder
<b>Associated Training Services</b>	7190 Elder Lane Sun Prairie, WI 53590	USA	(608) 354-0765	www.operator-school.com	John Klabacka President
<b>Atlantic Crane Inspections Service</b>	P O Box 747 Bensalem, PA 19020	USA	(215) 639-2579	www.atlanticcrane.com	Bill Hottenstein President
<b>Barth Crane Inspections LLC</b>	P O Box 1493 Goose Creek, SC 29445	USA	(843) 871-8877	www.craneoperator.com	Tom Barth Owner
<b>BC Association for Crane Safety</b>	P O Box 48883 Bentall 595 Burrard Street Vancouver, BC V7X 1A8	Canada	(604) 336-4699	www.bcacs.ca	Fraser Cocks Executive Director
<b>California Crane School</b>	111 Bank Street #254 Grass Valley, CA 95945	USA	(888) 967-7277	www.californiacraneschool.com	Kayla Hennesey Director of Operations
<b>Cairo Marine Service, Inc</b>	P.O. Box 620 Jackson, MO 63755	USA	(573) 243-6772	www.cairomarineservice.com	Bruce Marrs President
<b>CH C&amp;R Consultants</b>	277 Brazos Way Caldwell, TX 77836	USA	(979) 272-0478	www.chcrane.com	Derek Henson Owner
<b>CM Crane &amp; Training Services</b>	688 Lakewood Drive	USA	(619) 502-1383	www.cmcrane.net	Burke Craghead President
<b>Columbus McKinnon Training</b>	140 John James Audubon Amherst, NY 14228	USA	(716) 689-5400	www.cmworks.com/training	
<b>Construction Safety Experts</b>	7032 Copperleaf Place Cary, NC 27579	USA	(919) 632-3068	www.safety-xperts.com	Terry Young CEO
<b>Crane Certification Services</b>	8076 Richard Road Broadview Heights, OH	USA	(216) 789-6562	www.cranecert.com	George Wancata Owner
<b>Crane Exam, LLC</b>	221 S. 35th Street Phoenix, AZ 85009	USA	(602) 541-0364	www.craneexam.com	Ronnie Gray Senior Technical Trainer
<b>Crane Industry Services, LLC</b>	2692 Highway 27 N Carrollton, GA 30117	USA	(770) 783-9292	www.centeredonsafety.com	Fred Robinson Business Relationship Manager
<b>Crane Inspection &amp; Certification Bureau (CICB)</b>	11112 Boggy Creek Rd Orlando, FL 32824	USA	(800) 327-1386	www.cicb.com	Billy Cook Director of Sales
<b>Crane Inspection Services</b>	P O Box 461, Fairhope, AL 36533	USA	(251) 928-6262	www.craneinspection.com	Flynn Pritchett President
<b>Crane Institute Certification</b>	4011 W. 1st Street Sanford, FL 32771	USA	(844) 546-3362	www.cicert.com	Christine Cromarty Administration
<b>Crane Institute of America</b>	3880 St. John's Parkway Sanford, FL 32771	USA	(407) 322-6800	www.craneinstitute.com	Kelly Cowart Products Manager

## TRAINING CERTIFICATION & INSPECTION SERVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>Crane Operators Certification and Inspections Inc.</b>	2114 Industrial Park Road Lincolnton, NC 28092	USA	(704) 735-2707	www.cociinc.com	Stephanie Reynolds Office Manager
<b>Cranes 101</b>	57 Mendon Street Bellingham, MA 02019	USA	(508) 966-4100	www.cranes101.com	Sean Kelly General Mgr
<b>Crane Safety Associates of America</b>	730 Oak Grove Road McDonough, GA 30253	USA	(800) 356-2212	www.cranesafetyassociates.com	Shane Adams President
<b>Crane Tech, LLC</b>	1215 Millennium Parkway Brandon, FL 33511	USA	(800) 521-7669	www.cranetech.com	Tony Dotto Operations Manager
<b>Crane U, Inc.</b>	782 Heatherwood Dr. Birmingham, AL 35244	USA	(855) 9CRANEU	www.craneu.com	Scotty Gaut President/Owner
<b>Crane Wise Certifications, LLC</b>	312 NE Loop 289 Lubbock, TX 79403	USA	(806) 744-2999	www.cranewisellc.com	Chad Trumble Owner
<b>Cranecoach</b>	13 Hewitt Road Lambertville, NJ 08530	USA	(609) 613-3486	www.cranecoach.com	Carl Simoney Owner
<b>Crawford Custom Consulting</b>	11139 Cutter Road Meadville, PA 16335	USA	(814) 333-9600	www.crawfordcustom.com	Bill Hough Owner
<b>Crews Crane Training International</b>	2021 Arden Place	USA	(336) 337-1043	www.cranetraininginternational.com	Joe Crews CEO/President
<b>Domson Engineering &amp; Inspection</b>	190 Wilkinson Rd., Unit 2 Brampton, ON L6T 4W3	Canada	(905) 789-1326	www.domson.ca	Dennis Domeichini, President
<b>ehs International, Inc.</b>	9371 Irvine Blvd, Suite 250, Irvine, CA 92610	USA	(949) 540-6800	www.ehsinc.org	Eric Garcia VP Marketing
<b>Equipment Safety Services</b>	18521 E. Queen Creek Rd., #105-614, Queen Creek, AZ 85142	USA	(480) 860-4329	www.maxboom.com	Brian Doonan Owner
<b>Equipment Training Solutions, LLC</b>	P. O. Box 597 Stratford, NJ 8084	USA	(856) 669-8516	www.equipmenttraining solutions.com	
<b>Falck Safety Services</b>	209 Clendenning Road Houma, LA 70363	USA	(866) 404-9564	www.falck.com	Jacob Le Compte Sales Executive
<b>Global Crane &amp; Rigging Certification</b>	3500 Queenan Industrial Park Road Westlake, LA 70669	USA	(337) 882-6006	www.globalcrane.com	Keith Queenan President
<b>Global Environment Network</b>	P O Box 8068 Fountain Valley, CA 92728	USA	(714) 479-1199	www.My-DVBE.com	Allison Lugo Training Supervisor
<b>Hite Services Limited</b>	790 Lapointe St Sudbury, ON P3A 5N8	Canada	(705) 524-5333	www.hiteservices.com	Luc Bidal Vice President
<b>IMPACT</b>	1750 New York Avenue NW Washington, DC 20006	USA	(800) 545-4921	www.impact-net.org	Kenny Waugh Director, Industry Liaisons
<b>Industrial Training International, Inc.</b>	9428 Old Pacific Highway Woodland, WA 98674	USA	(800)727-6355	www.iti.com	Mike Parnell CEO
<b>Industrial Training Solutions</b>	742 Magnolia Street, Suite B, Madison, MS 39110	USA	(800) 975-8853	www.industrial-training- solutions.com	Jim Morris Owner
<b>Industry Training Authority</b>	8th Floor – 8100 Granville Avenue, Richmond, B.C. V6Y 3T6	Canada	(866) 660-6011	www.itabc.ca	Gary Herman Interim CEO
<b>Institute for Safety and Health Management</b>	4841 E County One-Fourth St. Yuma, AZ 85365	USA	(877) 201-4053	www.ishm.org	Larry Curtis CEO
<b>International Training &amp; Safety LLC</b>	17892 Scotia Circle Huntington Beach, CA 92647	USA	(714) 585-1280	www.trainmesafe.com	William A. Blum CEO/President
<b>IPT Publishing &amp; Training</b>	P O Box 9590 Edmonton, AB T6E 5X2	Canada	(780) 962-4819	www.iptbooks.com	Bruce Ashton and Ronald Garby
<b>KC Training Technology</b>	2543 Dixie Hwy Lakeside Park, KY 41017	USA	(859) 331-5564	www.kctrainingtechnology.com	Randy King Owner
<b>Kissimee Crane School</b>	1735 N Lane Ave Jacksonville, FL 32254	USA	(407) 931-0015	www.kisscranes.com	Glenda Merkel Sales Manager
<b>Lift-It Manufacturing Co, Inc.</b>	1603 West Second Street Pomona, CA 91766	USA	(909) 469-2251	www.lift-it.com	Mike Gelskey Jr. VP & General Manager
<b>Morrow Training Center</b>	3218 Pringle Rd SE Salem, OR 97302	USA	(503)585-5721	www.morrow.com	Christian Chalupny President
<b>National Commission for the Certification of Crane Operators (NCCCO)</b>	2750 Prosperity Avenue, Suite 505, Fairfax, VA 22031	USA	(703) 560-2391	www.nccco.org	Graham Brent Chief Executive Officer

**DON'T MISS THESE  
CRANE AND SPECIALIZED  
TRANSPORT EVENTS IN**

# 2021

## INTERNATIONAL **ITC TOWER CRANES** CONFERENCE & RECEPTION

**PARIS, 2021**  
DATE TO BE CONFIRMED

• **NETWORKING RECEPTION** • **SITE VISITS** • **CONFERENCE**

### THE KEY TOWER CRANE EVENT OF 2021

#### Key conference topics include:

- Tower cranes and the 'Grand Projects' of Paris
- Understanding the effects of wind
- New safe operation initiatives
- Crane control systems

GOLD SPONSOR

**LIEBHERR**

GOLD SPONSOR

**WOLFFKRAN**

Visit: [www.khl-itc.com](http://www.khl-itc.com)

## WORLD CRANE AND TRANSPORT SUMMIT ASIA 2021

**THURSDAY  
30 SEPTEMBER,  
2021**  
(TO BE CONFIRMED)

**WCTS Asia will be part of the Singapore Crane  
Week 2021 organised by Singapore's Workplace  
Safety and Health Council (WSH Council)**

#### Conference topics include:

- Key trends in Asia's crane & transport market
- High-profile keynote speeches
- Safety and productivity

Visit: [www.khl-wcts.com](http://www.khl-wcts.com)



SUPPORTING SPONSOR

**LIEBHERR**

#### CALL FOR PAPERS

If you are interested in giving a presentation at ITC or WCTS Asia, please contact

**Alex Dahm**  
[alex.dahm@khl.com](mailto:alex.dahm@khl.com)

**Murray Pollok**  
[murray.pollok@khl.com](mailto:murray.pollok@khl.com)

#### SPONSORSHIP OPPORTUNITIES

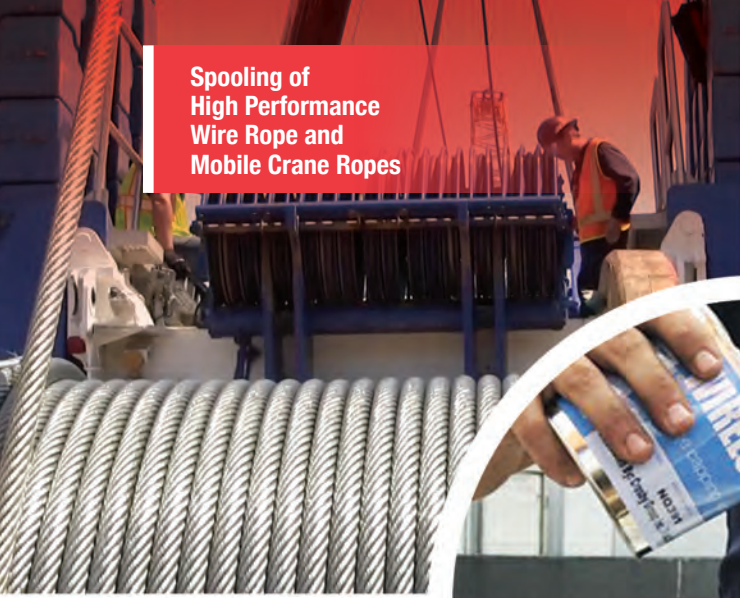
**Matt Burk**  
North America  
+1 312 496 3314  
[matt.burk@khl.com](mailto:matt.burk@khl.com)

**Mike Posener**  
Global  
+353 860 431219  
[mike.posener@khl.com](mailto:mike.posener@khl.com)


**Cathy Yao**  
China  
+86 10 6553 6676  
[cathy.yao@khl.com](mailto:cathy.yao@khl.com)

## TRAINING CERTIFICATION & INSPECTION SERVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
<b>National Crane Inspection, LLC</b>	4204 Plainville Road Cincinnati, OH 45245	USA	(513) 271-8608	www.nationalcraneinsp.com	Gary Lavender President
<b>National Crane Services</b>	9423 S Orange Avenue Orlando, FL 32824	USA	(407) 856-9990	www.natlcrane.com	Dennis O'Rourke Owner
<b>Nationwide Crane Training</b>	7655 Aspen Creek Court Washoe Valley, NV 89704	USA	(877) 628-2726	www.nationwidecranetraining.com	Teri Drapeau CEO
<b>NCCER</b>	13614 Progress Boulevard Alachua, FL 32615	USA	(888) 622-3720	www.nccer.org	Dan Belcher Director of Workforce Development
<b>North American Crane Bureau</b>	930 Williston Park Point Lake Mary, FL 32746	USA	(800) 654-5640	www.cranesafe.com	Monica McNeill Marketing Manager
<b>Occupational Safety Training Systems Inc.</b>	14650 Central Avenue Chino, CA 91710	USA	(909) 468-3602	www.ostsinc.com	Kari Geosano Vice President
<b>Operating Eng. Training Institute</b>	12580 County Road 2, Box 636, Morrisburg, ON K0C 1X0	Canada	(613) 543-2911	www.oetio.com	Carla St Louis Marketing
<b>Operator Network</b>	9351 Jerome Road Dublin, OH 43017	USA	(614) 558-1793	www.operatornetwork.com	Robert Slingsby Principal
<b>Overton Safety Training, Inc.</b>	P.O. Box 6297 Aloha, OR 97007	USA	(866) 531-0403	www.overtonsafety.com	Ron Overton President/Owner
<b>Professional Service &amp; Repair Inc.. (PSR Inc.)</b>	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales & Marketing
<b>Quad City Testing Laboratory, Inc.</b>	21112 Scott Park Road Davenport, IA 52807-9330	USA	(563) 391-8500	www.testlab1.com	Mason Ritter Crane Inspection Dept. Manager
<b>RHTC, Inc.</b>	309 Smith Street West Monroe, LA 71292	USA	(318) 330-9000	www.rhtcinc.com	Jeff Hairston President
<b>Rigging Institute</b>	205 Bridgewater Road Aston, PA 19014	USA	(888) 416-1965	www.rigginginstitute.com	Eric Perry Managing Director
<b>R Spec Crane Inspectors</b>	21 High Street Plainville, MA 02762	USA	(508) 212-4735	www.cranedecals.com	Rick Staples Owner
<b>Safety Provisions Inc.</b>	343 E. 4th N Ste 245 Rexburg, ID 83440	USA	(360) 930-9247	www.hardhattraining.com	Arthur T. Lee President
<b>Safety Resources Unlimited Inc.</b>	4800 S W 20 th St Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Stephanie Hoffman Marketing
<b>Stephenson Equipment Inc.</b>	7201 Paxton Street Harrisburg, PA 17111	USA	(800) 325-6455	www.stephenson equipment.com	Chris Traino Training Coordinator
<b>Sylvan Enterprises</b>	P O Box 666 Kingston, TN 37763	USA	(865) 717-8582	www.sylvanent.com	Ann Augustine Office Administrator
<b>The Center for Construction Research and Training</b>	8484 Georgia Ave. Silver Spring, MD 20910	USA	(301) 578-8500	www.cpwr.com	Mary Watters Director of Communications
<b>The Crane School</b>	210 Homestretch Blvd Deland, FL 32724	USA	(386) 668-8887	www.thecraneschool.com	Bud Wilson President
<b>The Safety Zone</b>	PO Box 85, 139 Industrial Park Centerbrook, CT 6409	USA	(800) 821-5702	www.safety-zone.com	Sandy Seidman Founder/President
<b>Total Crane Services Ltd</b>	14660 1H-10W Orange, TX 77632	USA	(409) 842-1500	www.totalcraneservices.com	Rodney Rhodes Training Manager/Partner
<b>Tower Crane Inspection Bureau</b>	P O Box 111108 Naples, FL 34108	USA	(239) 961-7401	www.towercraneinspection bureau.com	Tom Dube Owner
<b>Tower Crane School of Phoenix LLC</b>	16609 S 14th Street Phoenix, AZ 85048	USA	(602) 541-0364	www.towercraneschool phoenix.com	Ronnie Gray Senior Technical Trainer
<b>TSC Training Academy</b>	36-06 43rd Avenue Long Island City, NY 11101	USA	(718) 389-2103	www.tsctrainingacademy.com	Tom Ferrante Director
<b>Turner Safety</b>	6759 Sierra Ct. #B Dublin, CA 94568	USA	(510) 742-7460	www.steveturnersafety.com	Steve Turner Owner
<b>West Coast Training Inc.</b>	P O Box 970, Woodland, WA 98674	USA	(360) 225-6787	www.heavyequipmenttraining.com	Jeff Woolever Owner
<b>Working Class Heroes Safety</b>	P O Box 18217 Spokane, WA 99228	USA	(509) 435-6343	www.wchcranesafety.com	Danny Theimens Master Crane Theory Instructor




Spooling of  
High Performance  
Wire Rope and  
Mobile Crane Ropes




Replacement Drill Line,  
Tubing Line, and Sand Line  
Cables for Drilling and  
Workover Rigs



In-Field  
Wire Rope Socketing  
and Button Stop  
Replacement



High Performance  
Crane Ropes for Mobile Cranes,  
Crawler Cranes, Tower Cranes,  
and Overhead Cranes



Large Inventory of  
Wire Rope and Cable – Bridon,  
Teufelberger, WireCo,  
Bethlehem, WRI, and More!

# YOUR ONE SOURCE FOR HIGH PERFORMANCE CRANE ROPE SERVICES & SOLUTIONS

We have mobile spooling trucks to provide reliable, 24-hour, on-site service to all of our mobile crane customers. Our spooling units were designed and built to handle a variety of applications in the mobile crane industry with the ultimate goal of providing our crane customers with as little down time as possible!

We also employ certified technicians who can perform an in-field poured socket replacement for your high performance crane rope. We come to you with all of the tools and equipment necessary and will get your crane up and running in no time!

**MAZZELLA®**

**1.800.362.4601**  
[mazzellacompanies.com](http://mazzellacompanies.com)



The ACT Marketplace is sponsored by

**easybook**  
**training**  
training for safety

1000s of training courses  
100s of locations  
1 simple solution

[www.easybooktraining.com](http://www.easybooktraining.com)

e-mail: [info@easybooktraining.com](mailto:info@easybooktraining.com) Toll Free: 1 833 278 1884

# The Marketplace

ACT's Marketplace is designed to help readers find the products and services they need. It is divided into convenient categories including equipment for sale, crane & lifting services, transport & heavy haul, training and dealers & distributors.

## Training Directory 153

Find the company to fulfill your training needs

## Dealer Locator 154

Find a Dealer/Distributor by using ACT's Dealer Locator. When viewing online, check out the interactive map. Click and see where the dealers are and e-mail or go to their website from the map. From the printed page, please pick up the phone and call for your crane needs.

## Rigging Clips 155

Find a rigging clip Dealer/Distributor

## Products, Parts & Accessories 164

Operational aids, communication systems, components, controls, software, crane mats and outrigger pads, crane repair, hydraulics, jacks, attachments, personnel baskets, rigging hardware, rollers, slings and chains, tires, winches, wire rope, batteries, braking systems, and new, used and refurbished parts.

## Equipment for Sale or Rent 167

Crane, rigging and lifting equipment for sale or rent, new or used.

## Career Opportunities

Employee recruitment and job postings.

## Safety & Industry Services

Insurance, inspections, financing, consulting and safety equipment.

## Transport & Heavy Haul 169

Transportation permits, freight forwarding, heavy haul and pilot car services.

## To advertise in the ACT Marketplace Contact

BEV O'DELL

Tel: 816-886-1858

e-mail: [bev.odell@khl.com](mailto:bev.odell@khl.com)

[www.americancranesandtransport.com](http://www.americancranesandtransport.com)





**Accredited Safety Solutions**  
**317-625-2131**  
[www.accredited-safety.com](http://www.accredited-safety.com)  
 Robert Clouse  
[rclouse@accredited-safety.com](mailto:rclouse@accredited-safety.com)



**Crane Tech**  
**1-800-290-0007**  
[www.cranetech.com](http://www.cranetech.com)  
 Sherri Walker  
[swalker@cranetech.com](mailto:swalker@cranetech.com)



**Easybook Training**  
**1-833-278-1884**  
[www.easybooktraining.com](http://www.easybooktraining.com)  
[info@easybooktraining.com](mailto:info@easybooktraining.com)



**Morrow Training Center**  
**1-503-585-5721 ext 0118 or 0128**  
[www.morrow.com](http://www.morrow.com)  
 Leena Ellis  
[training@morrow.com](mailto:training@morrow.com)



**RHTC, Inc.**  
**(318) 330-9000**  
[www.rhtcinc.com](http://www.rhtcinc.com)  
 Jeff Hairston  
[jeffh@rhtcinc.com](mailto:jeffh@rhtcinc.com)



**Crane Inspection & Certification Bureau**  
**800-327-1386**  
[www.cicb.com](http://www.cicb.com)  
 Camille Singletary  
[info@cicb.com](mailto:info@cicb.com)



**Crane Training and Safety Consultants LLC**  
**845-701-5677**  
[www.ctsconsultants.com](http://www.ctsconsultants.com)  
 John Glinski  
[gliniskijohn@yahoo.com](mailto:gliniskijohn@yahoo.com)



**Industrial Training International**  
**800.727.6355**  
[www.iti.com](http://www.iti.com)  
[info@iti.com](mailto:info@iti.com)



**Overton Safety Training, Inc.**  
**(866) 531-0403**  
[www.overtonsafety.com](http://www.overtonsafety.com)  
 Cody Fischer  
[cody@overtonsafety.com](mailto:cody@overtonsafety.com)



**Tower Crane School of Phoenix**  
**1-480-993-3302**  
[www.towercraneschoolphoenix.com](http://www.towercraneschoolphoenix.com)  
 Jennifer Meadows  
[jmeadows@towercraneschoolphoenix.com](mailto:jmeadows@towercraneschoolphoenix.com)



The Standard in Crane & Rigging Training

**Crane Institute of America**  
**800-832-2726**  
[www.craneinstitute.com](http://www.craneinstitute.com)  
 James Headley  
[info@craneinstitute.com](mailto:info@craneinstitute.com)



**Doc Bailey Construction**  
**702-485-1457**  
 Las Vegas Facility  
 5040 Alto Ave, Las Vegas, NV 89115  
 Tower.Lattice.RT, Boom Truck Training & Testing



**Kissimmee Crane School**  
**1-407-931-0015**  
[www.kisscranes.com](http://www.kisscranes.com)  
 Glenda Merkel  
[Kisscranes@gmail.com](mailto:Kisscranes@gmail.com)

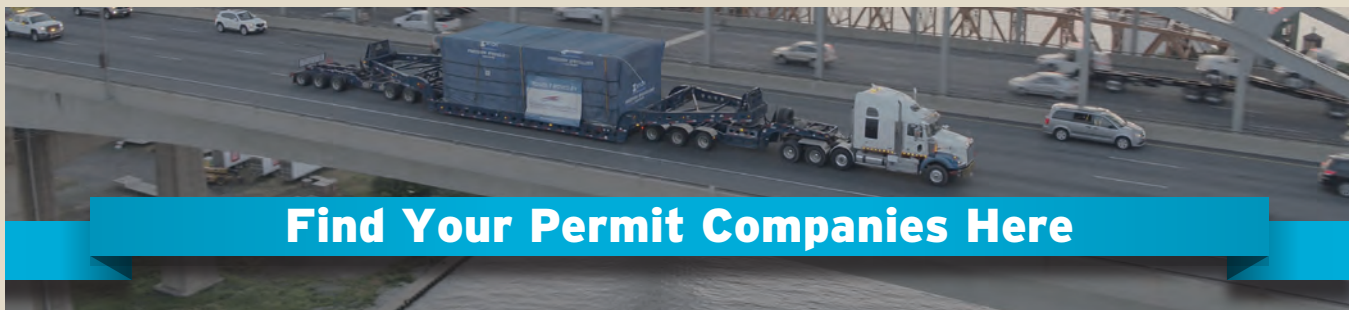


**Rigging Institute, LLC**  
**(888) 416-1965**  
[www.rigginginstitute.com](http://www.rigginginstitute.com)  
[training@rigginginstitute.com](mailto:training@rigginginstitute.com)



**Wika Mobile Control LP**  
**(formerly Hirschmann / PAT)**  
**1-717 217-2255**  
[www.wika-mc.com](http://www.wika-mc.com)  
 Sarah Nell  
[sarah.nell@wika.com](mailto:sarah.nell@wika.com)

This is a paid advertisement. If you would like to be included, contact  
**Bev O'Dell - 816-886-1858 – bev.odell@khl.com**



**Find Your Permit Companies Here**



**New York Truck Escorts & Permits**

**631-669-3742**

www.newyorktruckescorts.com

Maureen Mandich - rmrnsman@optonline.net  
NY and East Coast



**State Permits Inc**

**1-330-497-0446**

http://www.statepermits.com

Anthony Deliz - adeliz@statepermits.com



**Trans/Mid-American**

**1-800-228-7577**

www.tmanetwork.com

Rick Waymire - Marketing@tmamail.net



**Transport Permits Ltd**

**1-800-373-9033**

www.transportpermit.com

John Schall - john@transportpermit.com



**WCS Permits & Pilot Cars**

**1-888-737-6483**

www.wcspermits.com

Valerie Daniel - valeried@wcspermits.com



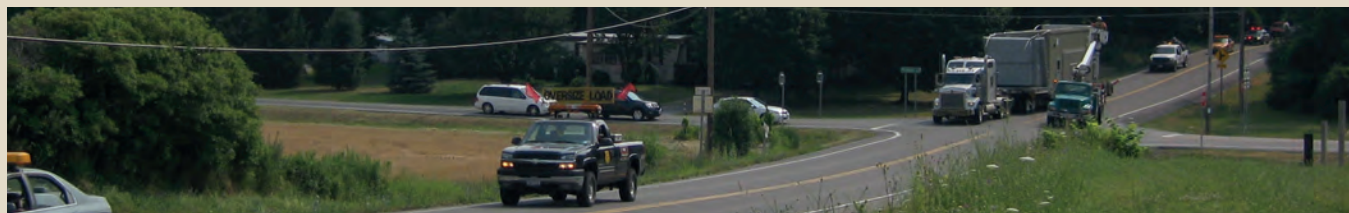
**West Chester Permit**

**1-800-734-3544**

www.wcpermit.com

Scott Boehme - info@wcpermit.com

This is a paid advertisement. If you would like to be included, contact  
Bev O'Dell - 816-886-1858 - bev.odell@khl.com



**Find Your Pilot Car Here**



**New York Truck Escorts & Permits**

**631-669-3742**

www.newyorktruckescorts.com

Maureen Mandich - rmrnsman@optonline.net  
NY and East Coast



**ODS North America**

**877-635-7164 / 877-635-7164**

www.odsna.com

Stefano Pilozi - orders@odsna.com  
All of US and Canada



**Pilotcarz4u LLC**

**1-803-266-5149**

www.pilotcarz4u.com

Kaye Greene-Smith - kayegreensmith@pilotcarz4u.com  
Continental US



**Sapphire Rose Pilot Car, Inc**

**1-210-661-6441 - 210-639-0907**

www.sapphirerosepilotcar.com

Vickie Simmons - vsimmons@sapphirerosepilotcar.com  
Texas Based serving the U.S.



**Sentinel Pilot Car Services**

**1-844-576-7717**

www.sentinelpilotcar.com

Jennifer Thompson - jentho@sentinelpilotcar.com  
Continental US and Canada



**WCS Permits & Pilot Cars**

**1-888-737-6483**

www.wcspermits.com

Valerie Daniel - valeried@wcspermits.com  
United States & Canada

This is a paid advertisement. If you would like to be included, contact  
Bev O'Dell - 816-886-1858 - bev.odell@khl.com



**Overhaul Balls**

- 1.5 tons to 35 tons
- Top Swiveling
- Bottom Swiveling
- Up to 1450lbs.
- In stock or 1 week

[www.millerproducts.net](http://www.millerproducts.net)  
 E.mail: sales@millerproducts.net  
 T. +1.508.248.3941



**FOR ALL OF YOUR LIFTING NEEDS**



Tel: 1 310 448 5444  
 E-mail: sales@awrrinc.com

[www.associatedwirerope.com](http://www.associatedwirerope.com)




15700 S. Waterloo Road.  
 Cleveland, OH 44110-3898

🌐 [JERGENSINC.COM/LIFTING](http://JERGENSINC.COM/LIFTING)  
 ✉ [LIFTING@JERGENSINC.COM](mailto:LIFTING@JERGENSINC.COM)  
 ☎ 877.440.LIFT (5438)



**Jergens**  
 MANUFACTURING EFFICIENCY

**SLINGMAX**  
 RIGGING SOLUTIONS

OVER 30 YEARS OF RIGGING SOLUTIONS

[www.slingmax.com](http://www.slingmax.com)    [info@slingmax.com](mailto:info@slingmax.com)



**DEALER LOCATOR**



Contact our distributors and find out how we can help improve your bottom line.

Visit [info.terex.com/distributorsearch](http://info.terex.com/distributorsearch) to find your local distributor.

**Bigge Equipment**

10700 Bigge Ave, **San Leandro, CA.** 94577  
 Tel: 510-681-0918  
 e-mail: cranesales@bigge.com  
 www.bigge.com

**Branches:**

**Houston, TX.**      Tel: 510-681-0918  
**La Mirada, CA.**    Tel: 510-681-0918

**Cropac Equipment Inc.**

1-800-4-CROPAC  
 www.cropac.com  
 e-mail: sales@cropac.com

**Branches:**

**Abbotsford, BC.**    Tel: 604-755-3927  
**Oakville, ON.**      Tel: 905-825-6377  
**Laval, QC.**          Tel: 450-625-4738  
**Nisku, AB.**          Tel: 780-955-8862

**Scott-Macon Equipment**

14925 S. Main, **Houston, TX.** 77035  
 Tel: 713-721-7070  
 www.smequipment.com

**Branches:**

**Corpus Christi, TX.**    Tel: 361-289-2782  
**Dallas, TX.**            Tel: 214-391-4000  
**Midland, TX.**  
 (Field Service Office)    Tel: 432-517-4378  
**Tulsa, OK.**            Tel: 918-224-2000  
**Houma, LA.**            Tel: 985-851-1118  
**Baton Rouge, LA.**      Tel: 225-753-4111

**Authorized Distributor**

Cranes



© Terex Cranes 2019 Terex, the Terex Crown design are trademarks of or licensed by Terex Corporation or its subsidiaries.



## Contact our Dealers

### Atlantic Coast Cranes & Machinery, Inc.

10429 Success Street,  
Ashland, Virginia 23005  
Tel: (804) 798-8840  
www.accranes.com

### Coastline Equipment Crane Division

325 N. 5th Street, Bldg. A, Sacramento,  
CA. 95811  
Tel: 916-440-8090  
www.coastlinecd.com

#### Branches:

Santa Ana, CA.	Tel: 714-265-6550
Long Beach, CA.	Tel: 562-273-7013
Bakersfield, CA.	Tel: 661-399-3600
Oxnard, CA.	Tel: 805-485-2106
Santa Maria, CA.	Tel: 805-922-8329
Las Vegas, NV.	Tel: 702-399-2700
Elko, NV.	Tel: 775-777-7070
Meridian, ID.	Tel: 208-888-3337
Jerome, ID.	Tel: 208-324-2900
McCall, ID.	Tel: 208-634-3903

### CraneWorks, Inc.

www.Crane-Works.com  
E-mail: sales@Crane-Works.com

#### Branches:

Houston, TX	Tel: 832-280-8737
Kansas City, KS	Tel: 913-308-0184
San Diego, CA	Tel: 760-906-8044
Denver, CO	Tel: 303-710-8308
Orlando, FL	Tel: 407-307-2562
Hampton, NJ(NYC/PHL)	Tel: 908-336-9651
Dallas/Ft. Worth, TX	Tel: 817-497-8217

### Cropac Equipment Inc.

1-800-4-CROPAC  
www.cropac.com  
E-mail: sales@cropac.com

#### Branches:

Abbotsford, B.C.	Tel: 604-755-3927
Oakville, ON.	Tel: 905-825-6377
Laval, QC.	Tel: 450-625-4738
Nisku, AB.	Tel: 780-955-8862

### Empire Crane Co, LLC

7021 Performance Dr. Syracuse, NY 13212  
www.empirecrane.com

E-mail: sales@empirecrane.com

Tel: 315-458-4101; 800-342-7575;

Parts: 315-701-4933

E-mail: sales@empirecrane.com

#### Branches:

Holbrook, MA.	Tel: 508-868-7734
Luke@empirecrane.com	
Bridgewater, NJ(NYC/NJ)	Tel: 908-203-0400
sales@empirecrane.com	

### Exact Crane & Equipment Corp

www.ExactCrane.com  
E-mail: Sales@exactcrane.com  
Parts@exactcrane.com  
Tel: 440-349-1999

### Giuffre Bros. Cranes, Inc.

6635 South 13th Street, Milwaukee, WI.  
53221

Tel: 414-764-9200

www.giuffre.com

E-mail: tproctor@giuffre.com

#### Branches:

CICERO, IL.	Tel: 708-656-9200
e-mail: tproctor@giuffre.com	

### H&E Equipment Services

877-HE-CRANE  
HE-Equipment.com

#### Full-service Crane Hubs

Baltimore, MD	Tel: 443-399-7100
Baton Rouge, LA	Tel: 225-251-7500
Belle Chasse, LA	Tel: 504-394-7400
Birmingham, AL	Tel: 205-661-1323
Dallas, TX	Tel: 972-986-0910
Houston, TX	Tel: 713-433-6411
Norfolk, VA	Tel: 757-935-4300
Phoenix, AZ	Tel: 602-232-0660
Salt Lake City, UT	Tel: 801-297-8500
Winston-Salem, NC	Tel: 336-582-7400

#### Service Center

Billings, MT Tel: 406-259-9720

### Transport Equipment Sales (TES)

www.tes-inc.net  
E-mail: info@tes-inc.net  
Kearny, NJ. Tel: 973-589-4100

www.manitex.com



**MANITEX**  
ARTICULATING CRANES

## Contact our Dealers

### Giuffre Bros. Cranes, Inc.

6635 S. 13th St, Milwaukee,  
Wi 53221

Tel: 414-764-9200

Beau Grassl

Sales Manager

e-mail: bgrassl@giuffre.com

www.giuffre.com

### Giuffre Midwest Ilc

3401 S. Cicero Ave, Cicero, Il  
60804

Tel: 708-656-9200

Todd Proctor

General Manager

e-mail: tproctor@giuffre.com

www.giuffre.com

FIND A DEALER OR YOUR LOCAL SALES REPRESENTATIVE: WWW.MANITEX.COM  
OR CALL THE MANITEX TEAM AT: 833-MANITEX (626-4839)



# Contact your authorized Link-Belt distributor today!

### Consultants F. Drapeau

2005 rue de l'Industrie  
St-Mathieu-de-Beloil  
Quebec, Canada, J3G 0S4

Tel: (450) 467-2642  
E-Mail: info@fdrapeau.com  
www.drapeaucorporation.com

### EQUIPMENT SALES & SERVICE LIMITED

Head Office:  
1030-1032 Martin Grove Rd  
Toronto, ON M9W 4W3

Tel: 416-249-8141  
E-Mail: dpaton@essltd.com  
www.essltd.com

#### Branches:

- London 519-652-6160
- Ottawa 613-831-922
- Sudbury 705-692-7278
- Edmonton 780-440-4010
- Calgary 403-998-8956
- Vancouver 604-946-3771

### Doc Bailey Cranes & Equipment of Hawaii.

Kapolei, HI. 96707  
808-545-4884

#### Branches:

- "Used Crane Sales & Support"
- San Lorenzo, CA  
510-638-6243
- Las Vegas, NV  
702-485-1457

### Link-Belt Mid-Atlantic Construction Equipment

10020 Lickinghole Road,  
Ashland, VA. 23005  
Tel: 804-798-2290,  
800-552-3837  
E-mail: dcoffey@linkbelt.com  
www.link-beltmidatlantic.com

#### Branches:

- Chesapeake, VA.  
Tel: 757-485-4485,  
800-342-3248

### Transport Equipment Sales (TES)

Kearny, NJ.  
Tel: 973-589-4100  
E-mail: info@tes-inc.net  
www.tes-inc.net

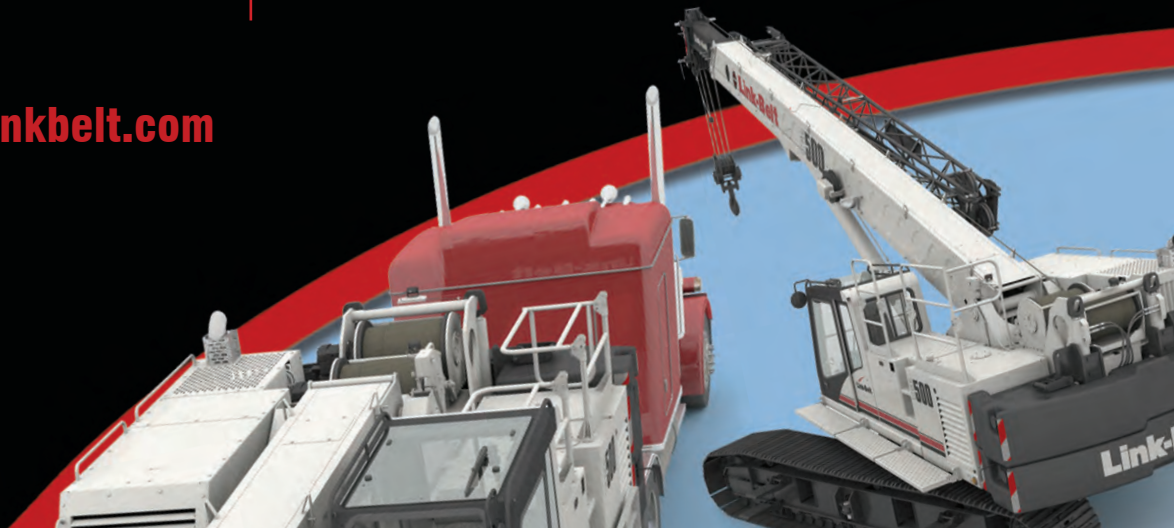
### Triad Machinery

www.triadmachinery.com  
Tel: 503-254-5100

#### Branches:

- Portland, OR
- Seattle/Tacoma, WA
- Eugene, OR
- Spokane, WA
- Bend/Prineville, OR
- Mt Vernon, WA
- Burl Redman  
Crane Specialist (OR)  
503-318-2140
- Steve Zaback  
Crane Specialist (WA)  
206-450-5220

[www.linkbelt.com](http://www.linkbelt.com)



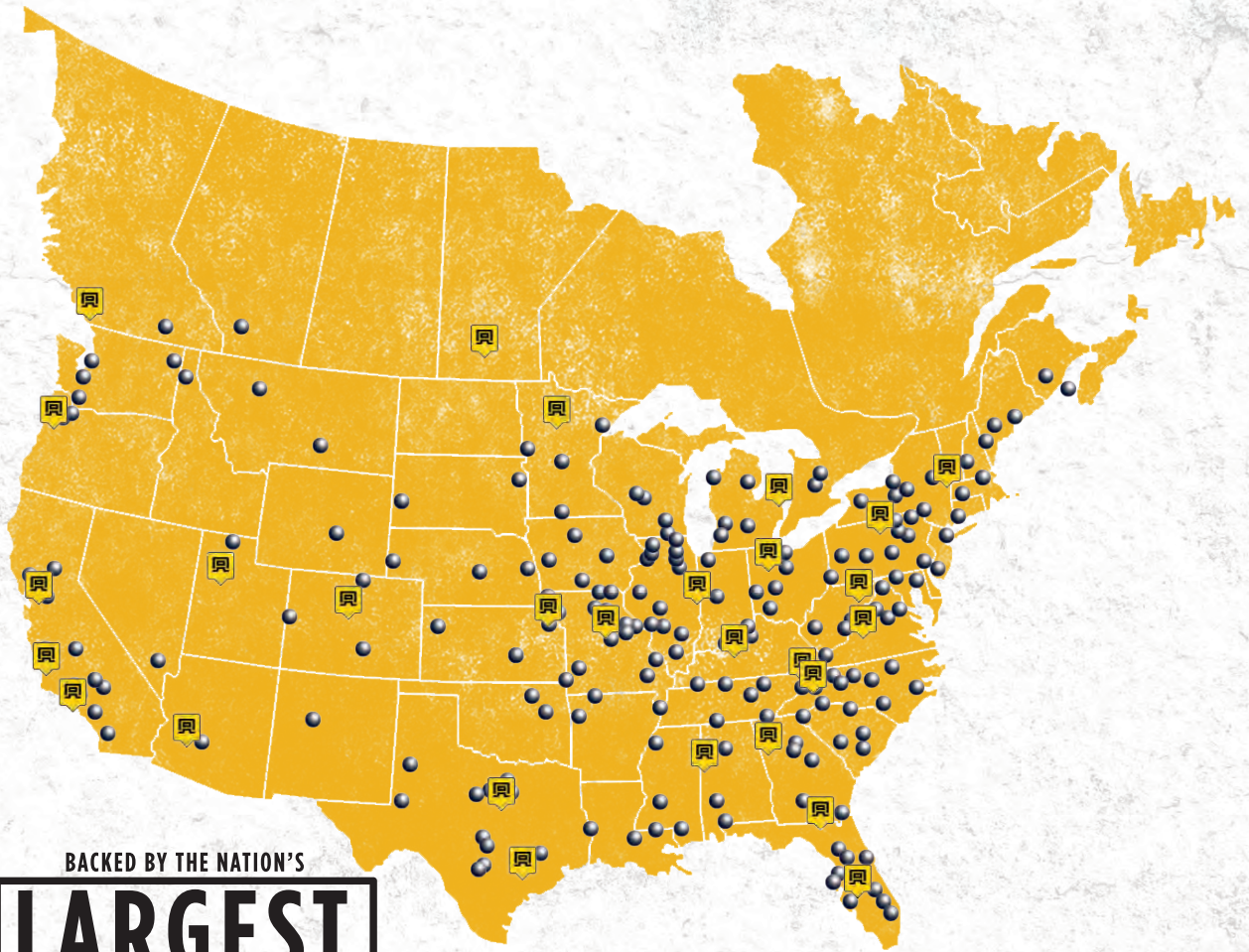
**FINANCING, LEASE AND  
RENTAL OPTIONS.**



At Altec, we believe better equipment starts from the ground up. That's why we offer innovative and reliable products that exceed industry standards. Coupled with our award-winning service, Altec provides solutions to meet all your equipment needs. **Find available inventory at [altec.com](https://www.altec.com).**



**NEW & USED SALES | SERVICE | RENTAL  
ALTEC CAPITAL FINANCE | TRAINING**



BACKED BY THE NATION'S

**LARGEST**  
SERVICE GROUP

Altec offers both telescoping and Effer knuckle boom cranes backed by industry leading service across North America. Telescopic and knuckle boom cranes offer strategic advantages based on their intended use. Altec is the exclusive distributor of Effer Cranes in the US. We offer our customers Effer Cranes with competitive features and specifications.

 **Altec**<sup>®</sup>

CALL US TODAY: 844.572.5832

ALTEC.COM/CRANES | SALES@ALTEC.COM |   



# Contact our Dealers



## H&E Equipment Services

877-HE-CRANE  
HE-Equipment.com

## Full-service Crane Hubs

Baltimore, MD  
Tel: 443-399-7100  
Baton Rouge, LA  
Tel: 225-251-7500  
Belle Chasse, LA  
Tel: 504-394-7400  
Birmingham, AL  
Tel: 205-661-1323  
Dallas, TX  
Tel: 972-986-0910  
Houston, TX  
Tel: 713-433-6411

Norfolk, VA  
Tel: 757-935-4300  
Phoenix, AZ  
Tel: 602-232-0660  
Salt Lake City, UT  
Tel: 801-297-8500  
Winston-Salem, NC  
Tel: 336-582-7400

**Service Center**  
Billings, MT  
Tel: 406-259-9720

**Shawmut Equipment Co, Inc**  
20 Tolland Turnpike,  
**Manchester, CT. 06042**  
Tel: 800-829-4161  
860-643-4161  
www.shawmutequipment.com

**Branches:**  
**South Easton, MA.**  
Tel: 877-526-9213  
508-238-1900  
**Shawmut Equipment of Canada, Inc**  
**Elmsdale, NS**  
Tel: 902-883-7450

**Stephenson Equipment, Inc**  
7201 Paxton Street  
**Harrisburg, PA. 17111**  
Tel: 800-325-6455  
www.stephensorequipment.com

**Branches:**  
**McDonald, PA**  
Tel: 800-692-7600  
**Pittston, PA**  
Tel: 866-667-6756  
**Prospect Park, PA**  
Tel: 800-220-4033  
**Syracuse, NY**  
Tel: 800-368-6455  
**Waterford, NY**  
Tel: 518-357-2200



## H&E Equipment Services

877-HE-CRANE  
HE-Equipment.com

## Full-service Crane Hubs

Baltimore, MD  
Tel: 443-399-7100  
Baton Rouge, LA  
Tel: 225-251-7500  
Belle Chasse, LA  
Tel: 504-394-7400  
Birmingham, AL  
Tel: 205-661-1323  
Dallas, TX  
Tel: 972-986-0910  
Houston, TX  
Tel: 713-433-6411

Norfolk, VA  
Tel: 757-935-4300  
Phoenix, AZ  
Tel: 602-232-0660  
Salt Lake City, UT  
Tel: 801-297-8500  
Winston-Salem, NC  
Tel: 336-582-7400

**Service Center**  
Billings, MT  
Tel: 406-259-9720

**Shawmut Equipment Co, Inc**  
20 Tolland Turnpike,  
**Manchester, CT. 06042**  
Tel: 800-829-4161,  
860-643-4161  
www.shawmutequipment.com

**Branches:**  
**South Easton, MA.**  
Tel: 877-526-9213,  
508-238-1900  
**Shawmut Equipment of Canada, Inc**  
**Elmsdale, NS**  
Tel: 902-883-7450

**Stephenson Equipment, Inc**  
7201 Paxton Street  
**Harrisburg, PA. 17111**  
Tel: 800-325-6455  
www.stephensorequipment.com

**Branches:**  
**McDonald, PA**  
Tel: 800-692-7600  
**Pittston, PA**  
Tel: 866-667-6756  
**Prospect Park, PA**  
Tel: 800-220-4033  
**Syracuse, NY**  
Tel: 800-368-6455  
**Waterford, NY**  
Tel: 518-357-2200





## Contact our Dealers

### NATIONAL CRANE®

by **Manitowoc**

#### H&E Equipment Services

877-HE-CRANE  
HE-Equipment.com

#### Full-service Crane Hubs

Baltimore, MD  
Tel: 443-399-7100  
Baton Rouge, LA  
Tel: 225-251-7500  
Belle Chasse, LA  
Tel: 504-394-7400  
Birmingham, AL  
Tel: 205-661-1323  
Dallas, TX  
Tel: 972-986-0910  
Houston, TX  
Tel: 713-433-6411

Norfolk, VA  
Tel: 757-935-4300  
Phoenix, AZ  
Tel: 602-232-0660  
Salt Lake City, UT  
Tel: 801-297-8500  
Winston-Salem, NC  
Tel: 336-582-7400

#### Service Center

Billings, MT  
Tel: 406-259-9720

#### Shawmut Equipment Co, Inc

20 Tolland Turnpike,  
**Manchester, CT. 06042**  
Tel: 800-829-4161,  
860-643-4161  
www.shawmutequipment.com

#### Branches:

##### South Easton, MA.

Tel: 877-526-9213,  
508-238-1900

##### Shawmut Equipment of Canada, Inc

**Elmsdale, NS**  
Tel: 902-883-7450

#### Stephenson Equipment, Inc

7201 Paxton Street  
**Harrisburg, PA. 17111**  
Tel: 800-325-6455  
www.stephensorequipment.com

#### Branches:

##### McDonald, PA

Tel: 800-692-7600

##### Pittston, PA

Tel: 866-667-6756

##### Prospect Park, PA

Tel: 800-220-4033

##### Syracuse, NY

Tel: 800-368-6455

##### Waterford, NY

Tel: 518-357-2200

### POTAIN®

by **Manitowoc**

#### Bigge Equipment

10700 Bigge Ave,  
**San Leandro, CA. 94577**  
Tel: 510-681-0918  
e-mail: cranesales@bigge.com  
www.bigge.com

#### Branches:

##### Houston, TX.

Tel: 510-681-0918

##### La Mirada, CA.

Tel: 510-681-0918

#### Rapicon Inc

924 Burton Road  
**Vars ON. KOA 3H0**  
Tel: 613 443-1323  
www.rapicon.ca  
e-mail: redemond@rapicon.ca

#### Shawmut Equipment Co, Inc

20 Tolland Turnpike,  
**Manchester, CT. 06042**  
Tel: 800-829-4161  
860-643-4161  
www.shawmutequipment.com

#### Branches:

##### South Easton, MA.

Tel: 877-526-9213,  
508-238-1900

##### Shawmut Equipment of Canada, Inc

**Elmsdale, NS**  
Tel: 902-883-7450

#### Stephenson Equipment, Inc

7201 Paxton Street  
**Harrisburg, PA. 17111**  
Tel: 800-325-6455  
www.stephensorequipment.com

#### Branches:

##### McDonald, PA

Tel: 800-692-7600

##### Pittston, PA

Tel: 866-667-6756

##### Prospect Park, PA

Tel: 800-220-4033

##### Syracuse, NY

Tel: 800-368-6455

##### Waterford, NY

Tel: 518-357-2200

#### Transport Equipment Sales (TES)

**Kearny, NJ.**  
Tel: 973-589-4100  
e-mail: info@tes-inc.net  
www.tes-inc.net

#### RMS Cranes

1900 E 66th Avenue  
Denver, CO 80229  
Tel: 800-588-7095  
e-mail: info@rmscranes.com  
www.rmscranes.com



**LOWER YOUR CRANE OWNING AND OPERATING COSTS**

To improve your ROI contact an authorized Tadano dealer below:



**Bigge Equipment**

10700 Bigge Ave.  
**San Leandro, CA 94577**  
 Tel: 510-681-0908  
 E-mail: cranesales@bigge.com  
 www.bigge.com  
 Authorized dealer in AZ, CO, NM, UT.

**Branches:**

- Arizona** Tel: 510-681-0908
- Henderson, CO** Tel: 510-681-0908
- New Mexico** Tel: 510-681-0908
- Salt Lake City, UT** Tel: 510-681-0908

**Coastline Equipment Crane Division**

325 N. 5th Street, Bldg. A  
**Sacramento, CA. 95811**  
 Tel: 916-440-8090  
 www.coastlinecd.com  
 Authorized dealer in CA, ID, NV.

**Branches:**

- Santa Ana, CA** Tel: 714-265-6550
- Long Beach, CA** Tel: 562-273-7013
- Bakersfield, CA** Tel: 661-399-3600
- Oxnard, CA** Tel: 805-485-2106
- Santa Maria, CA** Tel: 805-922-8329
- Las Vegas, NV** Tel: 702-399-2700
- Elko, NV** Tel: 775-777-7070
- Meridian, ID** Tel: 208-888-3337
- Jerome, ID** Tel: 208-324-2900
- McCall, ID** Tel: 208-634-3903

**Exact Crane & Equipment Corp**

www.ExactCrane.com  
 E-mail: Sales@exactcrane.com  
 Parts@exactcrane.com  
 Tel: 440-349-1999

Authorized dealer for KY, MI, OH , and Western PA

**Cropac Equipment Inc.**

1007 South Service Road  
**Oakville, Ontario L6L 6R3 Canada**  
 1-800-4-CROPAC/ 905-825-6377  
 www.cropac.com  
 E-mail: sales@cropac.com

Authorized dealer in:

- Newfoundland-Labrador
- Nova Scotia
- Prince Edward Island
- New Brunswick
- Manitoba Tel: 800-427-6722

**Branches:**

- Laval, QB** Tel: 450-625-4738
- Oakville, ON** Tel: 905-825-6377

**Heavy Iron Cranes**

411 Burton Road  
**Lexington, SC 29072**  
 Tel: 803-358-9191  
 E-mail: levy@heavyironcranes.com  
 www.heavyironcranes.com

**Scott-Macon Equipment**

14925 S. Main  
**Houston, TX. 77035**  
 Tel: 713-721-7070  
 www.smequipment.com  
 Authorized dealer for OK, TX.

**Branches:**

- Corpus Christi, TX.** Tel: 361-289-2782
- Dallas, TX.** Tel: 214-391-4000
- Big Spring, TX** Tel: 432-517-4378
- San Antonio, TX** Tel: 210-960-9938
- Tulsa, OK.** Tel: 918-224-2000
- Oklahoma City, OK** Tel: 405-673-8509

TADANO AMERICA CORPORATION 4242 W Greens Rd Houston, TX 77066 1-833-TADANO-1

<https://tadanoamerica.com/dealers/>

© Tadano Ltd. 2020. Tadano and Demag are trademarks of or licensed by Tadano Ltd. or its subsidiaries.



# MANTIS<sup>®</sup> CRANES

## Coastline Equipment Crane Division

325 N. 5th Street, Bldg. A  
 Sacramento, CA. 95811  
 Tel: 916-440-8090  
 www.coastlinecd.com

**Branches:**

- Santa Ana, CA
- Long Beach, CA
- Bakersfield, CA
- Oxnard, CA
- Santa Maria, CA
- Las Vegas, NV
- Elko, NV
- Meridian, ID
- Jerome, ID
- McCull, ID

- Tel: 714-265-6550
- Tel: 562-273-7013
- Tel: 661-399-3600
- Tel: 805-485-2106
- Tel: 805-922-8329
- Tel: 702-399-2700
- Tel: 775-777-7070
- Tel: 208-888-3337
- Tel: 208-324-2900
- Tel: 208-634-3903

## Exact Crane & Equipment Corp

www.ExactCrane.com  
 Sales@exactcrane.com  
 Parts@exactcrane.com  
 Tel: 440-349-1999

**Authorized dealer for KY, MI, OH, and Western PA**

## Empire Crane Co, LLC

7021 Performance Dr,  
**N Syracuse, NY 13212**  
 www.empirecrane.com  
 Tel: 315-458-4101;  
 800-342-7575;  
 Parts: 315-701-4933  
 E-mail:  
 sales@empirecrane.com

**Branches:**

- Billerica, MA.**  
 Tel: 508-868-7734  
 Luke@empirecrane.com
- Bridgewater, NJ (NYC/NJ)**  
 Tel: 908-203-0400  
 sales@empirecrane.com

## Scott-Macon Equipment

14925 S. Main  
 Houston, TX. 77035  
 Tel: 713-721-7070  
 www.smequipment.com

**Branches:**

- Corpus Christi, TX.** Tel: 361-289-2782
- Dallas, TX.** Tel: 214-391-4000
- San Antonio, TX.** Tel: 210-629-0400
- Midland, TX.** Tel: 432-517-4378  
 (Field Service Office)
- Tulsa, OK.** Tel: 918-224-2000
- Houma, LA** Tel: 985-851-1118
- Baton Rouge, LA.** Tel: 225-753-4111  
 (Lake Charles Area)

# FIND A DEALER NEAR YOU!

[www.mantiscranes.com](http://www.mantiscranes.com)

**Above.  
 Ahead.  
 Always.**



Visit [demagmobilecranes.com](http://demagmobilecranes.com)

## CraneWorks, Inc.

www.Crane-Works.com  
 e-mail: sales@Crane-Works.com

**Branches:**

- Houston, TX** Tel: 832-280-8737
- Kansas City, KS** Tel: 913-308-0184
- San Diego, CA** Tel: 760-906-8044
- Denver, CO** Tel: 303-710-8308
- Orlando, FL** Tel: 407-307-2562
- Hampton, NJ(NYC)** Tel: 908-336-9651
- Dallas/Ft. Worth, TX** Tel: 817-497-8217

## Empire Crane Co, LLC

7021 Performance Dr,  
**N Syracuse, NY. 13212**  
 www.empirecrane.com  
 Tel: 315-458-4101; 800-342-7575;  
 Parts: 315-701-4933  
 e-mail: sales@empirecrane.com

**Branches:**

- Billerica, MA.**  
 Tel: 508-868-7734  
 Luke@empirecrane.com
- Bridgewater, NJ (NYC/NJ)**  
 Tel: 908-203-0400  
 sales@empirecrane.com

## Exact Crane & Equipment Corp

www.ExactCrane.com  
 Tel: 440-349-1999  
 Sales@exactcrane.com  
 Parts@exactcrane.com

**Authorized dealer for KY, MI, OH, and Western PA**

## Scott-Macon Equipment

14925 S. Main, **Houston, TX.** 77035  
 Tel: 713-721-7070  
 www.smequipment.com

**Branches:**

- Corpus Christi, TX** Tel: 361-289-2782
- Dallas, TX.** Tel: 214-391-4000
- Midland, TX.** Tel: 432-517-4378  
 (Field Service Office)
- Tulsa, OK.** Tel: 918-224-2000
- Houma, LA.** Tel: 985-851-1118
- Baton Rouge, LA.** Tel: 225-753-4111

# Authorized Cranes Distributor



© Tadano Demag GmbH 2019. Demag is a trademark of Demag IP Holdings GmbH.

CONGRATULATIONS!  
YOU'RE #1



Contact us today to get  
the treatment you deserve.



**Built for You.**

sales@elliottequip.com  
(402) 592-4500  
www.elliottequip.com

## Find a dealer near you

### ML Cranes & Equipment

3908 N. Graham Street,  
Charlotte, NC. 28206

Tel: 877-649-7739

www.mlcranes.com

**Branches:**

- Baltimore, MD.**
- Bridgeville, DE.**
- Chesapeake, VA.**
- Manassas, VA.**
- Richmond, VA.**
- Roanoke, VA.**
- Winchester, VA.**
- Wise, VA.**

### Coastline Equipment Crane Division

325 N. 5th Street, Bldg. A  
Sacramento, CA. 95811

Tel: 916-440-8090

www.coastlinecd.com

**Branches:**

- Santa Ana, CA.**  
Tel: 714-265-6550
- Long Beach, CA.**  
Tel: 562-273-7013
- Bakersfield, CA.**  
Tel: 661-399-3600
- Oxnard, CA.**  
Tel: 805-485-2106
- Santa Maria, CA.**  
Tel: 805-922-8329
- Las Vegas, NV.**  
Tel: 702-399-2700
- Elko, NV.**  
Tel: 775-777-7070
- Meridian, ID.**  
Tel: 208-888-3337
- Jerome, ID.**  
Tel: 208-324-2900
- McCall, ID.**  
Tel: 208-634-3903

## PRODUCTS, PARTS & ACCESSORIES

# WHEN QUALITY COUNTS..



TRUCK-TIGHT SERIES



TITAN SERIES



SPECIALTY  
PRO-BIND  
SERIES



SPECIALTY  
BINDERS



PRO-BIND SERIES



DURAFOLD-DFX  
SERIES

# ..RELY ON THE LEADER.

**durabilitusa.com**  
Tel. 708-223-0258  
Fax 708-938-5374  
info@durabilitusa.com



**DURABILTY™  
DURBIN**  
Securing America's Cargo Since 1938



# MAKE YOUR SETUP SAFE.

That bright **DICA ORANGE** is a loud and clear statement to your crews:  
You're invested in their safety. They can see they're at a top-grade operation  
and that their job site is good to go.

MORE RIGIDITY & LESS WEIGHT

**FiberMax**  
OUTRIGGER PADS



UNBREAKABLE & EASY HANDLING

**SafetyTech**  
OUTRIGGER PADS



MAX PERFORMANCE & LESS WEIGHT

**FiberMax**  
CRANE PADS



INTERLOCKING HEIGHT & STABILITY

**ProStack**  
CRIBBING



DICAUSA.COM | SALES@DICAUSA.COM | 800.610.3422



**PROVIDING THE FOUNDATION FOR YOUR SUCCESS**

**CRANE • LAMINATED • DRAGLINE MATS**

Beaumont, Texas  
1.800.426.9570

Houston, Texas  
1.866.673.4800

Sorrento, Louisiana  
1.877.812.6909

Sulphur, Louisiana  
1.888.333.1925

Corpus Christi, Texas  
1.888.596.6391


**RITTERFOREST.COM**



**BUY YOUR PADS**  
From the Source That  
OEM's Trust




**WWW.SAUBERMFG.COM**  
(800) 323-9147



**SPECIALIZING IN THE SALE AND RENTAL OF HEAVY TIMBER AND LAMINATED MATS**


*SERVING THE GULF COAST FOR OVER 30 YEARS*



**AMERICAN MAT & TIMBER**

1(800) 671 - 0694  
WWW.AMERICANMATANDTIMBER.COM

*New*  
**BOB'S RIGGING & CRANE HANDBOOKS & REFERENCE CARDS**




**NEW 9TH EDITION**

- TRAINING - RIGGING & CRANES
- RIGGING & CRANE SAFETY RULES
- RIGGING TRAINING PROGRAM EXAMPLE
- HORIZONTALLY MOVING LOADS
- WIRE ROPE TABLES
- WORKING LOAD LIMITS - SLINGS & HARDWARE
- ASME SAFETY STANDARDS
- OSHA REGULATIONS

**BOB'S INDUSTRIAL PUBLICATIONS, LLC.**  
Tel: 248-994-4006  
e-mail: info@bobsindustrialpublications.com

**www.bobsindustrialpublications.com**



**DON FELLOW**  
Engineering Consultant

**COASTLINE** **562.273.7013** sales@coastlinecd.com  
 Equipment Crane Division **www.coastlinecd.com** | HQ: Long Beach, CA

**SALES | RENTAL | PARTS & SERVICE**  
 "RENTAL PURCHASE & LEASING OPTIONS AVAILABLE"



**ar66xq**  
 2017 TADANO MANTIS GTC 800 88 Ton  
 #73683 \$750,000 SALE RENT RPO



**am42vr**  
 2016 TADANO GR900XL 90 Ton  
 #45189 \$525,000 - Sale Rent RPO



**ba77ok**  
 2020 MANITEX 22101S 22 TON  
 #86989 Pete Power Auto Trans Call



**bg15tk**  
 2020 BRODERSON IC200 Stk# 93544  
 15 Ton - SALE RENT RPO New Units



**ao72xv**  
 2016 TADANO GR550XL 55 Ton  
 #45188 \$335,000 New Units In Stock



**ar12bh**  
 New 2018 MANITEX 30112S 30 Ton  
 #72534 1 Year Warranty Priced to Sell



**bb85kk**  
 2020 ELLIOTT 30105F 30 ton  
 #83638 - Rotating Controls - Auto Tran



**bg15tl**  
 2021 MANITEX 2281T Stk# 90855  
 22 Ton SALE RENT RPO - 2 Avail



**an03zs**  
 2016 TADANO GR750XL 75 Ton  
 #43667 \$425,000 New Units READY



**bf68hz**  
 2020 ELLIOTT M43R Stk# 90385  
 Auto Trans Non CDL - CALL !!!



**bg15tq**  
 2021 MANITEX 1970C Stk#91246  
 19 Ton M2106 - Auto Trans- Just In



**bg15to**  
 2021 MANITEX 26101C Stk# 92314  
 26 Ton Pete 348 Auto Trans - CALL

**When Reliability is a Requirement  
 Choose the Right Crane Rental**

Need a LIFT?  
**CALL US TODAY FOR A QUOTE**  
**718-784-1776**



**CRANES AVAILABLE  
 FOR RENT NATIONWIDE**

**BRAND NEW!**  
 Liebherr LTM 1450 Truck Crane  
 Mantis GTC 1200 Hydraulic Crawler

- |                                 |                               |
|---------------------------------|-------------------------------|
| <i>Crawler Cranes</i>           | <i>Hydraulic Truck Cranes</i> |
| Liebherr LR 1300 SX             | Liebherr LTM 1500-8.1         |
| Liebherr LR 1400/2              | Liebherr LTM 1450-8.1         |
| <i>Hydraulic Crawler Cranes</i> | Liebherr LTM 1350-6.1         |
| Liebherr LTR 1220               | Liebherr LTM 1300-6.2         |
| Mantis GTC 1200                 | Liebherr LTM 1250-5.1         |
| Liebherr LTR 1100               |                               |



Visit us Online...  
**www.CranesInc.com**



**YOUR RENTAL/RPO PARTNER FOR  
AT's, RT's & CRAWLERS**  
Houston, TX 77024, USA  
Phone: +1 (713) 975-7702  
e-mail: info@LSMcrane.com



LIEBHERR A.T. CRANES 120-900T



(50+) TADANO RT CRANES IN FLEET



LIEBHERR LTR1100 & 1220, 120/240T

**ALL TERRAIN**

**LIEBHERR LTM1750-9.1**, 900 TON, '20, 171' BOOM, 299' LUFFER RENT/RENT TO OWN..... **CALL**  
**LIEBHERR LTM1250-5.1**, 300 TON, '18-'20, 197' BOOM, 69' JIB, RENT/RENT TO OWN ..... **CALL**  
**LIEBHERR LTM1160-5.2**, 190 TON, '18-'20, 203' BOOM, 62' JIB, RENT/RENT TO OWN ..... **CALL**  
**LIEBHERR LTM1130-5.1**, 155 TON, '18-'20, 197' BOOM, 62' JIB, RENT/RENT TO OWN ..... **CALL**  
**LIEBHERR LTM1100-5.1**, 120 TON, 171' BOOM, 62' JIB, RENT/RENT TO OWN ..... **CALL**

**ROUGH TERRAIN**

**TADANO GR1600XL**, 160 TON, '16-'20, 200' BOOM, 59' JIB, SEVERAL IN OUR FLEET..... **CALL**  
**TADANO GR1200XL**, 120 TON, '18-'20, 184' BOOM, 58' JIB, SEVERAL IN OUR FLEET..... **CALL**  
**TADANO GR1000XL**, 100 TON, '14-'20 154' BOOM, 58' JIB, SEVERAL IN OUR FLEET..... **CALL**  
**TADANO GR750XL**, 75 TON, '14-'18', 141' BOOM, 58' JIB ..... **CALL**  
**TADANO GR350XL**, 35 TON, '15-'17', 101' BOOM, 42' JIB, 2 HOISTS, LOW HRS..... **CALL**

**CRAWLER CRANES**

**TADANO-DEMAG CC3800**, 715 TON, 315' BOOM, 275' LUFF, S.LIFT ..... **CALL**  
**LIEBHERR LTR1220**, 240 TON, 197' TELE-BOOM 72' JIB, RENT/RENT TO OWN ..... **CALL**  
**LIEBHERR LTR1100**, 110 TON, 171' TELEBOOM, 62' JIB RENT/RENT TO OWN..... **CALL**

**OVER 100 UNITS IN FLEET  
CALL FOR ALL YOUR CRANE NEEDS!!**

[www.LSMcrane.com](http://www.LSMcrane.com)

**HIGH QUALITY FORKLIFTS built with riggers in mind**



- 5 different models
- 17,000 lbs – 140,000 lbs lifting capacities
- Lp, Gasoline, and Battery powered models available, getting you into places other forklifts can't.
- Designed and built in the USA

**VERSA-LIFT**

785-594-7474

more information at [www.Versa-Lift.com](http://www.Versa-Lift.com)

**BUCKINGHAM**  
STRUCTURAL MOVING EQUIPMENT

Designing and Manufacturing the latest in Rigging, Lifting, and Transport Equipment

**Sales & Rentals**

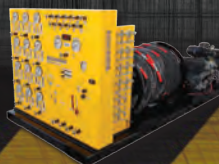
(610) 488-8969  
[BuckinghamEquipment.com](http://BuckinghamEquipment.com)  
 10 Birch Lane, Bernville, PA



Leading the industry with the new SmartJack System, allowing multiple unified machines to be linked together and perform as one unit.



Extending the efficiency and safety of your projects with the only Hydraulic Powered Dolly System utilizing fully computerized steering.



Synchronized Unified Hydraulic Jacking Machines

High Tonnage Jacks

Jacking Towers





**SPECIALIZED HEAVY HAUL TRAILERS**  
**CUSTOM DESIGN**  
**BUILD & REPAIR**



TransMaster Trailers/Master Solutions designs, engineers and manufactures various types of trailers.



We offer a range of specialized trailers, such as; specialized multi-axle steering dollies, jeeps, oil field heavy duty step deck trailers, low boy detachable gooseneck trailers, counter weight trailers, perimeter frame trailers, extendable trailers, wind trailers and special high capacity steering capable trailers.

With our engineering capability, we are able to design and build customized complex trailer systems.



Sales: 814-648-2308  
 Office: (717) 243-6849

[www.TransMasterTrailers.com](http://www.TransMasterTrailers.com)



# WCS PERMITS & PILOT CARS



## OVERSIZE LOAD

- OVERSIZED/OVERWEIGHT PERMITS
- TRIP & FUEL PERMITS
- PILOT CARS
- EQUIPMENT SALES

ACCESS PERMITS ONLINE 24/7

888.PERMIT.3 • 888.737.6483 • [WCSPERMITS.COM](http://WCSPERMITS.COM)

# ACT DEALER & LOCATOR

Participate with your manufacturers by purchasing a listing on their page

Visit: [WWW.AMERICANCRANESANDTRANSPORT.COM](http://WWW.AMERICANCRANESANDTRANSPORT.COM)

Click on DEALER LOCATOR, search the manufacturer and all participating dealer locations will show on map.

Your listing will include your website and will allow the reader to send an e-mail straight to you.

## Program Benefits:

- ✓ Your dealer contact information included on OEM specific advertisements within ACT
- ✓ Monthly e-blast of your dealer contact information to a global audience
- ✓ ACT's Dealer Locator web portal is prominently displayed on [www.americancranesandtransport.com](http://www.americancranesandtransport.com)
- ✓ Full inclusion of all information in ACT's tablet edition

## Pricing Per Manufacturer:

- Flat Rate **\$1,995** per year  
Twelve monthly issues, plus our annual Sourcebook, monthly e-blasts and web page portal.
- Bi-annually **\$1,050**
- Quarterly **\$555**

Branch listings are an additional \$10 each



For more information or to participate please contact:

Bev O'Dell  
tel: 816-886-1858  
e-mail: [bev.odell@khl.com](mailto:bev.odell@khl.com)

# WE HAVE YOUR UPGRADE!

CALL US TODAY FOR UPGRADES ON YOUR...  
**MICROGUARD 404, 414, 424 & 434 SYSTEMS**

ALSO IN STOCK...  
**MG586, MG534, MG540, RC1510,  
CABLE REELS, COMPUTERS**

Most upgrades calibrate in less than 30 minutes.  
Call to verify your specific crane.



**Professional Service  
& Repair Inc.**

Greer Platinum Distributor

Call Jeff Johnson today!  
**706-718-0856**

**WWW.PSRINC.BIZ**

Victoria, business manager

Angela, engineer

Chris, sales agent

Mark, crane operator

Dennis, customer service

Richard, training manager

José, engineer

Robert, parts specialist

# Stronger Together

What happens when you combine the strength of Tadano and the innovation of Demag with the power of your business? You get the perfect combination of our products, technology and support, and your expertise and know-how. Tadano Group is dedicated to lifting your dreams by building on each other's strengths.