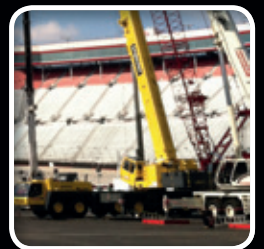
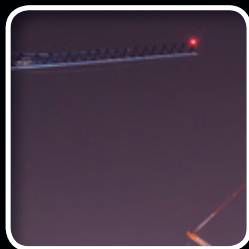


ACT & SOURCEBOOK 2018

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The yearbook

The *American Cranes & Transport Sourcebook* was designed to be an annual yearbook of the crane, rigging and specialized transportation sector.

It features all of the most pertinent information printed in *ACT* in 2017. In this publication you can find our four annual *ACT* Top Lists, including the **ACT100**, **ACTTRANSPORT50**, **SPECIALIZEDLIFTING50** and **ACTTOWERCRANE50**. There's no other place you can find all four lists.

In the Crane Guide, you will find up-to-date information about 13 categories of cranes and lifting equipment.

The directory portion of this publication is divided into two sections: 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 2018 *ACT Sourcebook* that you are now reading is delivered in hardcopy format, a downloadable digital issue or a tablet edition.

We appreciate producing the *ACT Sourcebook* each year because it allows us to touch base with our entire database of companies in the crane, rigging and transportation sector. And because of the cooperation of the industry, the *Sourcebook* has become a true yearbook for the industry. Our goal is to assess the most important information from each year and amalgamate it into the *ACT Sourcebook*. This year's edition features our coverage of the SC&RA's Job of the Year Awards as well as pertinent information from the SC&RA, NCCCO and NBIS.

Many thanks to the companies that made our directories and guides possible by filling out the necessary forms and surveys and updating and verifying all the information required.

And again, we encourage you to contact us 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 we will make sure to include you in our 2019 edition of the *ACT Sourcebook*.

D.ANN SLAYTON SHIFFLER

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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 August/September 2017. *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 2018.



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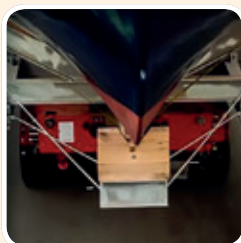
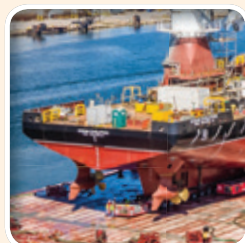
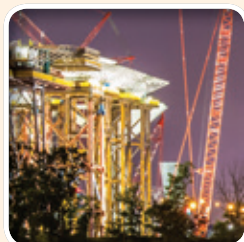
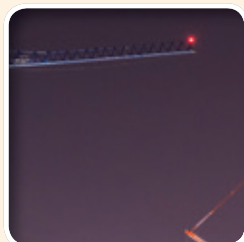
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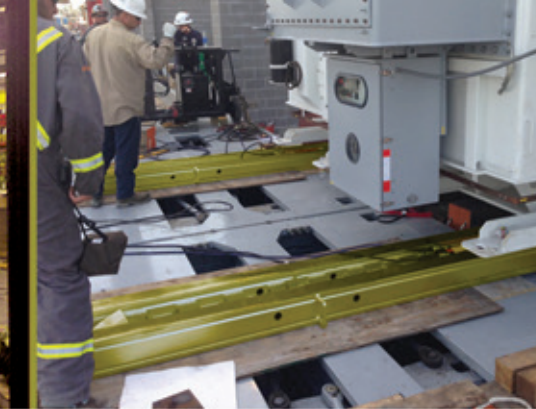
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- The World Crane Guide

E-NEWSLETTER

- World Crane Week

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- ACT Transport 50
- IC 50
- IC Tower50
- IC Manufacturers 20
- IC Transport 50

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- International Cranes & Transport Latin America
- International Cranes & Transport Middle East
- International Cranes & Transport Turkey
- International Tower Cranes
- Lift & Move USA
- World Crane & Transport Summit

AWARDS

- ESTA Awards of Excellence

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E-NEWSLETTER

- World Construction Week

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- The Yellow Table
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- iC Top 200 construction companies

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- Access, Lift & Handlers

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E-NEWSLETTER

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- Access, Lift & Handlers

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- ALH A20 - M20 - S20 - T30

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- APEX ASIA
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- Rental News Turkey

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- The Rental Report

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- IRN100

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A career in the crane, lifting and specialized transportation industry is interesting, lucrative and rewarding. **Hannah Sundermeyer** reports.

Emphasis is placed on job opportunities that are interesting to men and women. Many of the presenters highlight the fact that crane operators, inspection technicians, sales and marketing and project manager positions are held by women, many of whom are the best in the business.



Showing career opportunities, the one-day Lift & Move USA events are organized by Specialized Carriers & Rigging Association (SC&RA), the National Commission for the Certification of Crane Operators (NCCCO) and industry

publisher KHL Group, owners of *American Cranes & Transport* magazine.

There are endless career opportunities in the industry that Lift & Move USA events highlight. These include crane operators, riggers, truck drivers, mechanics, welders, IT specialists, sales staff, CAD engineers and branch managers. Lift & Move USA has set out to showcase just this.

With turnouts in the six hundreds and seven hundreds, Lift & Move USA targets young people considering their future careers, including students in high school and those attending community and technical colleges. However, it isn't just reserved for current students. Recent high school or college graduates are also encouraged to consider attending the events. Military veterans are also welcome to attend, as a multitude of military skills translate into careers in the industry.

Students are split into small groups and rotated through a variety of learning



Deep South Crane & Rigging and Berard co-hosted a massive event with 653 students in Baton Rouge, LA.



Simulators are a popular attraction during events, as students can experience first-hand how to operate a variety of machinery without getting behind the wheel.





A crowd pleaser at Lifting Gear Hire's event was the massive lift of a Batmobile.



Students are often surprised to see just how much money can be made through a career in the industry.

stations, each covering a different aspect of the lifting and specialized transport business. Stations provide in-depth coverage of crane operators, riggers, truck drivers, mechanics/welders, simulators, engineers, interns, safety and certification and sponsors.

With a variety of speakers at each event, members of the industry share their career paths and explain what their jobs entail.

To learn more about Lift & Move USA or register for any of the upcoming 2018 events, see www.liftandmoveUSA.com for details.

Dan Swiggum, business development, ATS Specialized, speaks with a student about the scholarship opportunities available through Associated Training Services.



Lift & Move USA events are organized by Specialized Carriers & Rigging Association (SC&RA), the National Commission for the Certification of Crane Operators (NCCCO) and industry publisher KHL Group.

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D. Ann Shiffler and **Hannah Sundermeyer** report on these world-class projects.



Barnhart

The Triple M solution

To maintain world-class production levels, refineries are always in the midst of a turnaround or outage of some type, according to Barry Carroll, branch manager for Barnhart Crane & Rigging. At one of the world's largest integrated refineries, it's not a question of if a unit will go down, but when. Such was the case last spring when Barnhart was contacted about an emergency project that involved the removal and replacement of a ground-level exchanger shell.

There was a five-day turnaround from identification of the problem to installation of the equipment. The refinery team was familiar with Barnhart's Movable Counterweight Cantilever System (MOCCS) that had been used on other outages at the facility.

"The owner was impressed with the MOCCS's ability to quickly and efficiently remove equipment along with the built-in safety features of the system," Carroll said.

The owner's idea was to use a 90-ton rough terrain crane with the MOCCS to extract the shell. Due to the component and surrounding unit's physical access limitations, Barnhart realized its traditional cantilever beam or jack-and-slide solutions were not options.

"Our challenge was to develop a system with equipment available while maximizing safe operations in a live unit," Carroll said. "We determined that the solution would need to be mobile, modular and maneuverable."

The exchanger shell was 17-foot long, 3.17-foot wide and weighed 7,000 pounds. The alleyway to the exchanger was narrow, and at 15 feet above grade elevation there was a 10-foot wide overhang protruding from the structure's face.

"Directly above the exchanger was a tangled mess of live piping within two inches of the shell, as well as instrumentation and structural steel, enveloping the unit," Carroll said.

Barnhart's final solution would involve a custom MOCCS arrangement with 30 kips of counterweight setting atop and secured to a 750-ton hydraulic turntable setting atop and secured to six lines of Goldhofer PSTe. Barnhart named the solution, "the M3A1."



Barnhart's solution involved a custom MOCCS arrangement with 30 kips of counterweight setting atop and secured to a 750-ton hydraulic turntable setting atop and secured to six lines of Goldhofer PSTe. Barnhart named the solution 'The M3A1.'

The M3A1 would allow Barnhart to maneuver in all XYZ planes and rotate 360 degrees in the alleyway that was less than 30-feet wide and with a load elevation of 5.5 feet.

Precision operations

The MOCCS system was configured to promote trailer stability and counterweight securement with the ability to stab inside the exchanger, lift out in a very tight area and rotate the shell 90 degrees for transport out of the unit for offloading. The sum total of the overall tool satisfied the overarching requirement of safe operations in a live unit.

"The system was configured while utilizing the safety feature of each individual system," Carroll said. "The combination of each piece of equipment brought precision to the operations, whether it was the PSTe and turntable integration or the MOCCS system with all of the standard safety features of precise counterweight location taken into account. The system is mobile, modular and maneuverable delivering safe operations. And on top of it all, it looks like a tank."

The project mobilized over the weekend with four men and two trailers. Guided by the plant's safety requirements, Barnhart's standard operating procedures and internal safety procedures, the team suited up. All employees were outfitted with the

basic PPE requirements – hard hats, hard toe shoes, safety glasses, goggles, Barnhart reflective fire retardant jump suits – as well as site-specific requirements for individual H2S monitors.

Using a 90-ton capacity rough terrain crane, the Barnhart team unpacked its trailers and assembled the M3A1 in about five hours.

"The combination of each individual tool allowed for an elegant assembly of the system, with only a crane and no other equipment or stands," said Carroll.

Once the refinery team had disconnected the flanges and prepared the shell unit for removal, the Barnhart team rolled the M3A1 down the street and into the unit.

"We assembled the M3A1 in a laydown yard, travelled into the unit, stabbed the exchanger shell, removed the shell from its unit and placed it on a trailer," said Carroll. "We rotated the turret, steered the trailer into position and extracted the shell within an hour. This process was meticulous – a delicate sequence of raising/lowering/backing/rotating – ever-so-slowly, carefully, dodging live pipes and structural steel."

The replacement process was followed in reverse.

Barnhart's work was completed in 12 hours, including mobilization, execution and demobilization, with removal and replacement execution completed in two hours. ■

Trestle trials

Built in 1925 and spanning the Willamette River, the old Sellwood Bridge was deemed to be structurally deficient in 2012. It was replaced with the new Sellwood Bridge, a deck arch bridge that opened in 2016.

As a part of the old Sellwood Bridge Removal Project, Emmert International was tasked with removing four spans.

“With extensive engineering analysis and research, Emmert International’s team carefully designed an ideal rigging plan to meet the demands of a challenging disassembly process,” said Terry Emmert, president, Emmert International, based in Clackamas, OR.

The bridge spans varied in weight and size, weighing from 372,000 to 476,000 pounds.

“The task of lowering each bridge span to the barge below required detailed engineering and creative use of equipment,” said Emmert. “There were time management, environmental and safety concerns. To ensure a safe and efficient operation, specially engineered components were designed to work in conjunction with the strand jack system.”

Components and piling had to be removed by July 30 to meet a state-imposed window for fishing. Daily traffic windows limited work hours as did noise abatement requirements. The new bridge was open throughout the project.

Tidal constraints and geographical challenges were a problem during East and West bank truss removals. To prevent the barge from touching the river bottom, the spans had to be lowered onto the barge during high tide. The barge was repositioned in deeper water before the tide receded.

Because the old bridge had a coating of lead paint, when cutting or grinding, lead paint containment protocols had to be followed. Emmert limited these issues by developing attachments that did not require welding.

All ballasting was done utilizing a fish weir to assure that juvenile fish and marine life weren’t drawn into the pump. Daily inspections insured no harm to migratory birds. Permitting was required by the EPA, Army Corp of Engineers, Willamette River Patrol and Oregon Fish and Wildlife.

Custom T-brackets

Two methods were proposed for supporting the modular stand jack system: tension and compression. After review, tension struts were chosen to reduce the amount of grinding and welding by building movable attachment brackets. The brackets were put in place before the bridge was closed, allowing installation of the strut sections needed for lowering the spans outside of the critical path.

To eliminate welding and provide better testing for the lift lugs, Emmert designed custom T-brackets. Custom designed box beams with strand jack rocker plates were engineered for the rigging/lift system.

Prior to installation of the custom designed modular lift system, pre-installed bracing and pre-tension members were installed and inspected. Ongoing inspections were performed throughout the strand jack installation to ensure no interference would occur during the lowering operation between the standing structure and the structure being lowered.

The modular strand jack support beams were designed to be setup quickly by the rigging crew while maintaining the highest level of safety. The safety cabling systems designed by Emmert were reviewed by the project safety committee, which was impressed by the ingenuity.

Once the system was approved the beams were pre-assembled with all the

lifting components prior to being placed. Emmert’s team then installed the pre-assembled strand jack support beam system in pre-determined lift points at four locations and secured to the existing bridge girders by the engineered Dywidag hold-down plate system. The strand jack anchors were then connected to the T-Brackets that were pre-installed on the bridge spans. The T-Brackets were designed to be as light as possible while meeting ASME BTH-1 structural requirements.

Final inspections confirmed that all environmental, river traffic and traffic control measures were in place. The bridge span was cut free and final checks were performed to confirm the lowering process was safe. The bridge span was lowered to a pre-aligned barge. Once the span was fully supported by the barge, the strand jack anchors were released from the T-Brackets. The bridge span was then secured to the barge. The process was repeated until the four spans were lowered and removed.

Site-specific safety training was conducted prior and during the project, and daily safety briefings were conducted. A custom-engineered fall protection cable system was used for the strand jack support beams. Emmert International completed the project safely and without incident. ■



Equipment used included the HSL 2000 heavy lifting strand jack system as well as custom designed strand jack bases, T-Brackets and staging platforms.

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Pressed for space



To successfully lift and set the final Krown on the press unit, only six inches of clearance would be available from the top of the strand jack guide to the bottom of the roof structure.

Emmert International created a unique and creative rigging plan to install press components at a fully functioning plant in Illinois. When complete, the press will be the largest in the Western hemisphere.

The press is comprised of three base sections, one Platen and two Krowns. All three base sections were assembled into the single heaviest lift of 1,627,096 pounds. The Platen was the largest single piece and the upper Krown was the tallest set of all the lifts.

“It was critical that the regular plant shipments were not impeded by the delivery and unloading of the press components,” said Terry Emmert, president, Emmert International. “It was strictly prohibited to interfere with any of the plant operations during all phases of the press installation.”

The standard way to install a press is for each section, one at a time, to be lowered into the foundation pit utilizing a large crane. Emmert proposed that the three-section base be assembled in front of the foundation pit. Once assembled, the base would be lifted as one component. The customer reviewed the plan and decided to go forward. Emmert designed custom rods and lift links to attach and lift the fully assembled base.

Once the base section was set, four

43-foot-tall columns needed to be placed in the base at each corner. The columns needed to be placed prior to stacking the other three components. Each component had to rest at various points along the height of the columns.

The Krown had to clear the vertically installed columns during the lift and set. This required the tower/strand jack system to lift the Krown to the roof line of the building to clear the bottom of the four columns. Emmert developed a rigging configuration that would allow for maximum lift with minimal overhead obstruction. Emmert also designed low-profile umbrella strand holders to overcome the foreseen conflict with the roof structure. The fully lifted Krown cleared the top of the columns by four inches. The top of the lifting system cleared the roof by six inches.

Expert planning

As the components arrived at the job site, each piece was offloaded utilizing a 450-ton gantry, loaded onto a 12-line Goldhofer PSTe and moved 100 yards into the press assembly building. Each section was removed from the transport trailer using a 700-ton gantry system. The sections were lowered onto a turntable to be spun for assembly. Each piece was lifted again via the gantry and placed in

a precise location for the base section mating and dress out. Once the three base sections were positioned and mated, plant personnel dressed out the base sections with essential keys and tie rods. The fully dressed base section was set in one piece. It weighed in at 1,627,096 pounds, had an overall height of 12 feet seven inches, a width of 22 feet eight inches and a length of 33 feet four inches.

Utilizing the 700-ton gantry, the 645,000-pound Platen was lowered onto trunnion stands and rotated into the installation position. The 700-ton gantry system was repositioned to allow for loading, gantry travel and installation of the Platen above the previously placed base sections. Four bushings were installed into the Platen, one at each corner. The Platen had to be lined up over the top of the columns and lowered down onto the column resting point. Each column had five millimeters of tolerance.

The Krowns were offloaded using the 450-ton gantry system, loaded onto the PSTe transporter and moved into the press assembly building. To install the final two Krown sections, Emmert designed a lift configuration utilizing 20-foot structural tower sections as a base. On top of the tower sections was an elevated 450-ton gantry system, gantry track sections, support beams and strand jack system. Each Krown was then attached to the lift system using lift cables. The lower Krown was lifted first to an elevation determined to properly travel the 37 feet three-inch distance and lowered over the previously installed press columns. The upper Krown was then moved into place.

Safety was of the utmost concern, and the number one goal during the entire operation. There were daily safety briefings, inspections and a pre-lift safety plan. Innovation was also critical to a successful job. Equipment used included Goldhofer PSTe and THP transport systems, 450 and 700-ton capacity J&R Engineering Lift-N-Lock gantry systems, an HSL 2000 strand jack system, tower system, eight and 12-axle depressed deck rail cars and Emmert's BBCX1000 20-axle railcar with a specialized engineered Schnabel attachment.

Fagioli

Platform perfection!

Fagioli recently completed marine transport and installation operations for one of the most impressive oil and gas projects ever undertaken in the offshore industry.

“The installation scope covered the delivery of all modules to the assembly yard in Canada and their assembly into one topsides unit on a customized pier,” said Edoardo Ascione, president, Fagioli USA.

Fagioli was also subcontracted to weigh the larger modules for the project, including the Utility Process Module, the Living Quarters Module and the Drilling Support Module.

The project activity started in the fourth quarter of 2012 with the engineering phase taking place through the end of 2013. This was successfully completed before the beginning of site operations which took place from early 2014 to October 2016.

The platform modules handled by Fagioli, including grillage and temporaries, were the Utility Process Module weighing 48,501.6 tons, the Drilling Support Module weighing 4,299 tons and the Drilling Equipment Set weighing 4,078.5 tons. Ancillaries included the Flare Boom weighing 374.7 tons, the Life Boat Stations weighing 231 and 253 tons and the Helideck weighing 126.7 tons.

To the Canada job site the Fagioli team mobilized 240 SPMT axle lines; strand jacks with a capacity up to 606 tons; a tower lift system for the lifting activity; crawler cranes with up to 1,488-tons of capacity; an elevator system with a 7,736-ton capacity; 64 skid shoes with capacities up to 1,102 tons each for the skidding load out and load in activity; and climbing jacks. All of this equipment was used in a variety of creative ways to lift and install the various sections.

The 354-foot tall Flare Boom was mobilized by 32 axle lines of SPMT during the load out and in operations. The Living Quarters was built at the assembly site, where it was outfitted with Life Boat Stations and a Helideck. The Drilling Support Module arrived on a barge. Fagioli used more than 200 lines SPMTs to perform the load in of the 4,299-ton module with a length of 177 feet. The Drilling Equipment Set arrived on a transport vessel. Fagioli used more than 200 lines SPMTs to perform the load in of the 4,078.5-ton Drilling Equipment Station that measured 229.6 feet tall.

“Following the delivery of all modules to the assembly yard in Canada, Fagioli was called to prepare and perform one of the biggest load out operations ever performed in the history of the

offshore industry, executed after years of planning and engineering calculation and simulation activity,” said Ascione.

This included the skidding operation of a 48,501.6-ton offshore Utility Process Module by means of 64 skid shoes on a semi-submersible ship in Korea.

Amazingly tight tolerances

Following delivery by another contractor of the Utility Process Module to the assembly yard, Fagioli executed the load in operation onto the assembly pier.

Fagioli used strand jacks and towers to raise the Drilling Support Module to the height of 19 feet for positioning of the module onto the elevator system which would raise the module to a height of 118 feet, ready for skidding onto the Utility Process Module. The Drilling Support Module was skidded onto the Utility Process Module in one direction and then transversally skidded and jacked down using climbing jacks onto its final position within extremely tight tolerances.

The Drilling Equipment Set – a 229.5-foot-tall, 12,139-pound drilling rig tower – was moved on site by a transport vessel onsite and loaded in by SPMTs. This very heavy module was then lifted onto the transport stools for final positioning onto the skidding system. The Drilling Equipment Set was lifted by the strand jack and tower lift system up to the planned height for the skidding operation. The skid shoes system allowed the final completion of the skidding operation onto the Utility Process Module. Final installations were the Flare Boom and the East Life Boat Station. Fagioli’s scope of work ended in October 2016.

“This project was one of the most challenging and complex operations ever performed by Fagioli,” Ascione said. “The project represented one of the largest fleets of equipment used so far for the assembly of an offshore platform.”

One hundred percent of Fagioli coverage was required for all operations, including double shifts for the main installation. At the peak, Fagioli had 225 workers on site. The engineering department was involved in the project since 2012 for concept development and calculation studies, including simulations. ■



Fagioli's Edoardo Ascione said the project was one of the most challenging and complex ever performed by the company.

Emmert International Last lift off



Emmert International hauled the Space Shuttle External Fuel Tank 94 through the streets of Los Angeles to the California Science Center.

The Space Shuttle *Endeavor* completed 25 missions, but the 26th mission – transporting the only remaining external fuel tank to the California Science Center in Los Angeles – was awarded to Emmert International. In the spring of 2016, Emmert began “Mission 26, ET-94 Comes Home,” the final and epic journey of the 66,000-pound, 155-foot long, 30-foot wide and 35-foot tall external fuel tank known as ET-94.

Because ET-94 is the last remaining one-of-a-kind historic relic, stipulations imposed by NASA and the Science Center dictated that throughout all phases of the project the fragile foam insulation coating that surrounds the tank’s exterior would not be damaged by lifting operations, lashings, transport operations or contact with any obstacles during the process. Through extensive analysis and research, Emmert’s specialists spent 3,400 hours designing the ideal method of rigging, transporting and routing the historic tank.

Emmert used a hydraulically adjustable four-dolly transport system that interlocks with the existing ET-94 staging and transport system. Using Emmert’s dolly system in this configuration allowed maneuverability of the cargo and met requirements of NASA’s engineers, the Science Center and state and local jurisdictions.

The ET-94 had been stored at the Machouod Facility in an area close to where it would be loaded onto the barge for the first part of its nautical journey. The first initial challenge for the Emmert team was finding the best location to transfer ET-94 from the barge to land for its journey through the streets of Southern California to the California



Science Center in downtown L.A. After an exhaustive search, it was determined that the best offload area would be Marina Del Rey, which had its own set of problems. Marina Del Rey is primarily a pleasure craft marina with no active barge or commercial work areas. Emmert developed a detailed study that included an overhead obstruction plan mapped in three dimensions. After extensive analysis, the final route from Marina Del Rey to the Science Center was just over 16.5 miles. Determining the final route required engineers traveling hundreds of miles to verify the exact height and width, and unforeseen obstacles.

Hauling a huge tank through one of the most highly populated areas in the U.S. required extensive traffic studies and planning. Emmert’s engineers had to overlay the transporter using two and three-dimensional modeling with verified satellite images to determine the most efficient and effective route to minimize

the impact on the public. The load consisted of the lead (pull) tractor and the four dolly transporters carrying the cargo. California Highway Patrol worked in conjunction with local law enforcement to control traffic and safety.

What a tank

Weather conditions were uncertain on the day of the barge departure. A second tugboat was called to safely maneuver the ET-94 against strong winds in Louisiana’s many canals. On its voyage, ET-94 passed through the Gulf of Mexico, the Panama Canal and cleared customs in San Diego before arriving in Marina Del Rey, even encountering and rescuing four stranded fishermen off of the coast of Baja from their sinking vessel and safely transporting them to San Diego.

Upon arrival at the Marina Del Rey dock, Emmert slowly drove the ET-94 off the barge to the designated staging site where it was prepared for delivery to the project site. A week later, starting at 11 p.m., Emmert crews drove and walked along side ET-94 following the designated route. Utility contractors removed street lighting and traffic signals to make way for ET-94 as it crawled its way through the crowded urban streets. Incredibly, all utilities were back in place and operational 15 to 20 minutes after ET-94 passed a location.

Emmert executed the work using 1,500 crew hours steering the transporter on the pre-programmed advanced GPS verified route. For tight corners and crabbing maneuvers, the transporter was hand steered utilizing the engineered and plotted radius. In addition, it was necessary on certain sections of the route to adjust the running height of the dollies by lifting or lowering the hydraulic suspension cylinders.

Transporting the ET-94 from Marina Del Rey to the California Science Center took just under the 18 hours. Through extensive pre-analysis and research, Emmert International was able to complete the project safely, securely and without incident or cargo damage. Thousands of onlookers watched ET-94 inch its way through L.A. The exhibit will show the Space Shuttle and external fuel tank in launch position.

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Keep on trucking

Barnhart set out to haul a new heat recovery steam generator (HRSG) from Tulsa, OK to Los Angeles, CA, marking an incredible 2,343-mile trek. The HRSG was purchased by the Los Angeles Department of Water and Power for the Hyperion Waste Water Treatment Plant. The massive machine was part of a digester upgrade project that would allow the plant to produce power from methane gas created in the anaerobic digesting process, according to Chris Howe, project manager for Barnhart. The HRSG was roughly 43-feet long, 16-feet wide, 16-feet tall and weighed 225,000 pounds.

“With Oklahoma’s deteriorating infrastructure, Barnhart knew that keeping the axle loadings beneath the 40,000 pounds dual-lane axle limit would be essential to getting the piece moving as soon as possible,” said Howe. “In addition, the center of gravity was not centered longitudinally, and it was offset by 3.5 feet, so getting the axle lines loaded evenly would prove to be tricky.”

Barnhart designed a trailer configuration that utilized two Goldhofer six-line California-style dual-lane trailers, with seven-foot dollies and nine-foot one-inch axle spacings at 20-feet wide. With this configuration, axle loadings were kept under 38,000 pounds per line, which allowed Barnhart to get the load permitted and moving for the client as soon as possible, Howe said. The permitted dimensions of the trailer configuration were 260 feet long, 21-feet wide and 17-feet 11-inches tall with axle loadings of 38,000 pounds per line.

However, finding a route to accommodate the height of the piece would be crucial to minimizing utility support. Since the HRSG was already over 16-feet tall, Barnhart used its girder



The Barnhart-designed girder system allowed the crew to lift the load up and over a fence to allow the trailer to make it around a corner without civil improvements and without having to remove and replace the fence.

system to suspend the load to minimize the travel height. The suspension girder system was designed and fabricated by Barnhart. It featured an additional 18-foot insert section that would allow 54 feet in the well of the trailer.

Regulations aplenty

The load had to be permitted with six different states: Oklahoma, Kansas, Texas, New Mexico, Arizona and California. The load had to be weighed often to verify axle weights, and Barnhart had to obtain 21 local and county permits and get approval from 18 different local, county and district DOT supervisors. The planned route also involved having to hire third-party bridge engineering in order to receive the route approvals. The planning and permitting for this haul took over 240 man hours to get everything in place and get the load rolling, in addition to 1,100 man hours of police and utility support.

The safety plan included having a start-of-shift safety meeting where the crew and the support team would meet to review the day’s operations, the permits and the applicable restrictions, the day’s route, any utility concerns, daily equipment and load inspections and review a job hazard

analysis prior to moving that day. The crew and support team also maintained constant open lines of communication by having dedicated radios for everyone to use on the haul.

Another challenge Barnhart encountered was coordinating driver hours, permit curfews and parking spots.

“Understandably, with a 260-foot-long trailer, parking can be tough to find,” said Howe. “It was necessary to review permits, route and driver hours daily to schedule work. Having predetermined stopping points and parking spots for each day’s operation at the start of the shift helped the crew stay within their hours of service, permit restrictions and not get caught out on the road looking for the next good parking area, which could be 100 miles away.”

To ensure the super load’s safe movement, bucket trucks and police escorts assisted the convoy. The project took approximately 11 weeks from start to finish, including seven weeks for permitting, trailer mobilization and loading and three weeks for the crew to travel the 2,343 miles from Tulsa to LA. The Barnhart team worked over 2,000 man hours without a safety incident or any citations.

“This kind of magnificent move really goes to show how the right equipment and good people can make a daunting job look easy,” said Howe. ■

The permitted dimensions of the trailer configuration were 260-feet long, 21-feet wide, and 17-feet 11-inches tall with axle loadings of 38,000 pounds per line.



Fagioli

Hauling “Santa Lucia”

Fagioli spearheaded the door-to-door transport from Germany to Italy sections of the biggest tunnel boring machine (TBM) ever built in Europe. Assembled in Germany, the new titan among TBMs was named “Santa Lucia.” It has a diameter of 52 feet and will be used in the next three years to build the 4.6-mile Variante di Valico tunnel in the Apennines between Bologna and Florence, Italy.

The highlight of the haul was the massive cutting wheel with its fully assembled weight of 904,000 pounds.

The components were loaded onto the barge on the Rhine River with the destination set for the Port of Rotterdam. Once the sections arrived at the Port of Rotterdam, they were transported onto a dedicated heavy lift vessel. Once they arrived in Italy at the Port of Ravenna, the sections were directly unloaded onto Fagioli hydraulic trailers, ready for the 105-mile journey up to the final destination.

The three largest items were moved by road in a convoy, with transport configurations ranging between 230 feet and 90 feet in length, 32 to 26-feet in width and between 1,200,000 pounds and 400,000 pounds gross weights. The route consisted of two provincial roads, and for the most part, the main Italian Highway “A1” that connects Northern to Southern Italy.

During the two months of preparation, Fagioli’s team surveyed and checked the route and organized the transport with the several local and national road authorities. This included the structural analysis of 96 bridges and the consequent load testing of two bridges. There was also the implementation of traffic control plans with the blocking of the road, the removal of more than 100 signs and lights and the development of contingency plans.

For the heaviest item, Fagioli designed and built side beams to interpose between the load and the platform trailer to



The route map depicts this impressive journey to get the tunnel boring machine from Germany to Italy.



For the heaviest item, Fagioli designed and built side beams to interpose between the load and the platform trailer to equally spread the load among the 30 hydraulic axle lines.

equally spread the load among the 30 hydraulic axle lines.

Massive convoy

The convoy was huge and included Fagioli technical support vehicles and numerous police cars. Association of National Roads Assistance and Autostrade per l’Italia (Highways For Italy) vehicles escorted the convoy with more than 100 people present during each of the two consecutive weekend nights of transport on public roads.

Fagioli prepared a detailed communication plan between the many parties. It included announcements and daily bulletins transmitted via mass media to notify participants about road closures and traffic reroutings.

The maximum speed allowed for the convoy was 12 miles per hour, reduced to three miles per hour when moving on bridges and viaducts, with the transit of only one convoy at a time. Bridge engineers measured and recorded the

deflection of bridge beams during the transit of the convoy.

The transport involved the biggest first sections of the tunnel boring machine, which when assembled, will have a final diameter of 52 feet and a total weight of about 4,800 tons or 10,600,000 pounds. The biggest section, called the drive with center plate, weighed 320 tons and had a diameter of about 29.53 feet.

For the transport of this section, Fagioli used a 30-axle line modular trailer pushed by two trucks, one positioned up front and one at the back of the 223-foot convoy. It took two nights to cover the mileage between Ravenna and Barberino di Mugello. To complete the whole operation Fagioli used a large fleet of trailers and semitrailers composed of 10, 12 and 16-axle lines.

Fagioli was in charge of the turnkey operation including the road transport in Germany executed by a local supplier; river barge transport onto the Rhine; chartering of a dedicated heavy-lift vessel to execute the sea transport from the North Sea into the Mediterranean and Adriatic Sea; in-house engineering documentation; and detailed plans in accordance with local authorities for the passage of the convoy between trailers and semitrailers. This impressive project was executed on schedule and without incident throughout the journey. ■

High seas scaling

Fagioli successfully transported and installed a 4,500-ton Living Quarter (LQ) module onto an offshore platform. The module measured 190 feet by 65 feet by 100 feet.

In preparation for transportation and installation, specific training was completed, in addition to scenario-based risk assessment, job hazard analysis, daily toolbox talks and spill control strategy.

The project was broken into phases: the transport of the LQ module from the construction hall to the completion area; completion of the construction of the LQ by assembling the Helideck, safety boat stations and other equipment; jacking up the completely assembled LQ and inserting SPMT with towers and grillage; the load out of the LQ module to the barge; transporting the barge around the finger pier; and finally hanging the LQ to the topside.

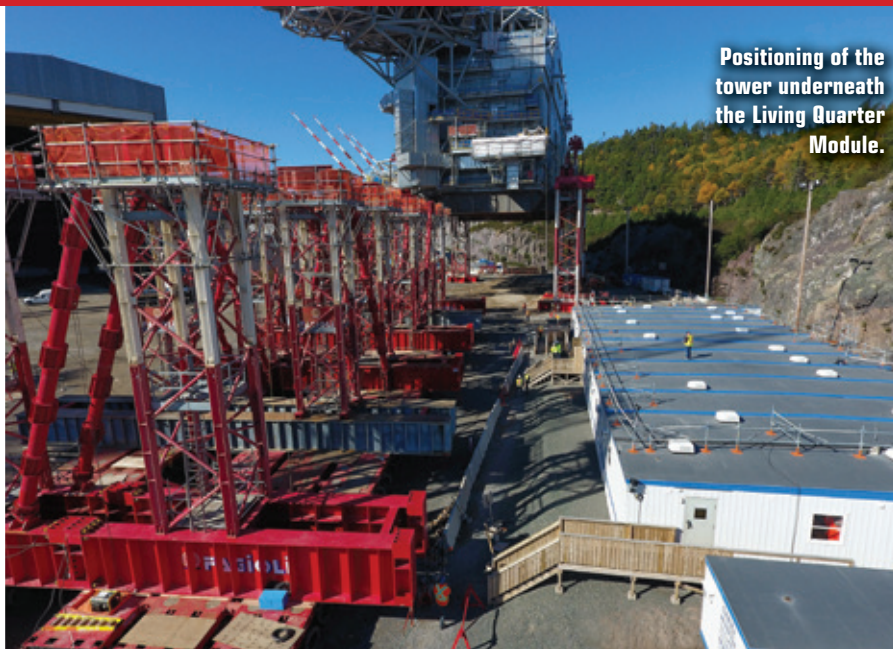
Operations were executed on a 24-7 basis with a double shift team from June to October 2016. This included 1,600 engineering hours and 2,800 operational man hours.

Much of the transport and installation tasks grew in difficulty as the operation had to be performed at open sea.

Fagioli deployed 230 axle lines and 10 PPUs from its own fleet, together with transport beams, support towers, grillage beams, Ro-Ro ramps and a mooring system. For the marine transport Fagioli used a 460 by 140 by 28-foot deck barge with integrated ballast system and two



The LQ module was loaded onto the barge.



Positioning of the tower underneath the Living Quarter Module.

55-ton bollard pull tugboats.

After its completion, the LQ was jacked up using Fagioli strand jack towers and the SPMTs inserted with 60-foot tall grillage beams and towers. The center of gravity of the load at that point was more than 100 feet above ground level.

Redundant systems

A multi-point, 100-percent-redundant mooring system consisting of eight by 30-ton winches equipped with loading cells was used during the load out on the barge, which was planned to be independent from the tidal cycle. Upon completion of the loading, the grillage beams had been lowered onto grillage support stands and spreaders, and secured.

A large part of the engineering work was the assessment of the barge stability and weather-induced motions during the marine transportation around the topside that was sitting on a finger pier.

The Transport Convoy Planarity, the barge draft, real-time trim and heel and LQ verticality and alignment were constantly monitored by Total Station Survey instruments with one-half inch precision, feeding laptops with GeoMOS software as well as tablets in use to the engineers controlling the operation.

The actual LQ was built on site in a dedicated yard area by the client. Fagioli

then weighed the LQ module by means of a dedicated weighing system composed of load cells. The module was transported using SPMTs from its build location and set on support stools to allow the Life Boat Stations and Helideck modules to be installed.

The barge carrying the LQ module was kept in position by a spacer barge interposed between the finger pier. Upon removal of one side of the grillage, the LQ was moved against the topside by the SPMTs, with the barge ballast system used to keep her keel always even.

The SPMTs aligned and centered the two large pad-eyes on the LQ with the pins on the topside, while the LQ lower side was aligned on the support base built on the topside. The survey instrumentation was once again very important to control and guide the operation.

The ballast system was finally used to lower the LQ into its final position and disengage the transport equipment.

The LQ installation onto the topside was on the critical path of the overall project. The very detailed planning and design did allow the execution of SIMOPS (simultaneous operations) by other parties working to complete other parts of the topside. The LQ module will provide accommodations for 220 people offshore.

Winners, still

A tough competition, the contest featured amazing feats of innovation and difficulty.

The 2017 SC&RA Job of the Year contest featured 30 entries by 13 companies. Projects entered were located in Canada, Mexico, Brazil, Italy, India and off shore as well as throughout the United States. There were 14 entries in the four Specialized Transport/Moving categories and 16 entries in the four rigging categories.

Rigging under \$150,000

■ **Burkhalter** set a 160,000 pound galvalume pot in an operating facility using gantries. In order to save the customer time, Burkhalter set up the gantries and equipment on the top floor while the plant was still operational and once shut down, utilized gantries with counterweights cantilevered behind them to hold the pot out in front and set it into the basement, with inches of clearance.

■ Contracted to assist in an offshore refurbishing project, **Mammoet USA South** used a jacking system to raise a platform to shorten the legs and refurbish the deck. The deck was 83 feet tall, 95 feet long and weighed 880,000 pounds. The WHP4-1 deck needed to meet the specifications for use in the Congo.

■ **TNT Crane & Rigging** was contracted to help set a scale model of a fixed oil production rig built on steel legs inside the Moody Gardens Aquarium Pyramid. An aquarium would be built surrounding one of the legs to give visitors an up-close view of marine life found around offshore platforms in the Gulf of Mexico. The challenges included working inside a 12-story tall glass encased pyramid to lift a 15,000 pound, two-section glass

tank up and over an existing steel oil platform leg (column). An eight-by-eight foot section of glass had to be removed to allow for the lift that was 90 feet above grade and nine feet off center of the steel platform leg.

Rigging \$150,000 to \$750,000

■ **Barnhart** was contracted to remove a 198,000-pound vertical exchanger and replace it with a new exchanger weighing 204,000 pounds in a live unit. Barnhart's team performed the removal and installation using a lifting frame supported by trunnions.

■ **Fagioli** was involved in a challenging salvage operation for the recovery of a 90-ton sunken boat on which hundreds of immigrants lost their lives. The boat was laying 370 meters below sea level on the floor of the Mediterranean Sea. The Fagioli lifting structure was mainly composed of No. 4 towers, two of which were fixed at the bow of the supply boat; No. 8 strand jacks with a capacity of 180-tons each fixed onto No. 2 by 25 meter long cantilever beams; No.2 longitudinal beams; and a No. 1 transversal beam able to connect No. 2 vertical towers and cantilever beams. Strand recoilers were fixed on top of the cantilever beams.

Rigging \$750,000 to \$2 million

■ **Barnhart** was contracted to develop and execute a rigging solution that would allow the erection of a videoboard over a speedway that would be converted to a football arena without removal of the seating and boxes during erection.

■ **Burkhalter** was contracted

to attach jack-up equipment to lift a 3.190 million pound, 330-foot long span portion of the Fore River Bridge, roll-on to twin barge assembly and jack-up approximately 70 feet above water level. The bridge was transported via barge to the bridge site where Burkhalter floated the lift span into place and set it onto bearings utilizing the BPU-750 jack-up system.

■ **Fagioli** was involved in one of the most challenging civil works ever performed in India – the lifting and locking of 10-floor composite slab sections complete with mechanical, electrical, interiors and facade works of three wings using a multiple combination of a strand jacking system. This project was the first of its kind for Fagioli.

■ Owners of a high-rise building in Philadelphia uncovered structural cracks in two concrete load transfer girders located at the top of an atrium that was 55 feet above an interior driveway. **George Young Company** was tasked to install a shoring system capable of supporting 3,000,000 pounds per girder. There were multiple failures in one girder including a cantilevered section that projected into office space where the floors would not hold the weight.

■ Vigor Industrial subcontracted **Oxbo Mega Transport Solutions** to provide equipment that could lift and set four 1,100-ton tanks and four 600-ton decks for barge construction. One of the challenges of the project was that the tanks had to be lifted 60 feet in the air to clear the walls and then moved 300 feet over the top of the barge to be in position to lower 60 feet into the hull. Once the tanks were in place, the 600-ton decks needed to be lifted 70 feet in the air and set into place.

Oxbo designed, engineered, fabricated and erected a 1,200-ton capacity gantry system mounted on a skid system. The lifting system was a set of four 600-metric ton strand jacks.

Rigging over \$2 million

■ **ALE Heavylift** was awarded the Malikai project by the Technip MMHE Joint Venture to perform weighing of the topsides, skidding the topsides from the fabrication area to the jack-up area, jacking up the topsides, skidding the topsides above the hull, mating the topsides with the hull, removing the superlift equipment and performing the load-out of the complete Tension Leg Platform (TLP) onto a heavy-lift vessel. Thorough risk assessments and safety measures were carried out. ALE completed all of the engineering design for the strand jack supports, deadman anchors and HPU platforms.

■ **Barnhart** was challenged with lifting and setting multiple pieces for the construction and installation of a ship-loading facility. The pieces included cradles, boom sections, single and double trusses. The lifts were completed using Barnhart's exclusive barge crane and a 1,800-ton Terex CC4000 ringer crane.

Trucking under 160,000 pounds (net)

■ **Berard** worked with the National WWII Museum to move a restored Patrol Torpedo boat – PT-305 – from the museum to the Mississippi River. The historic PT-305, restored as closely as possible to the original drawings, will become a fully functional exhibit in New Orleans. Berard was



Nickel Bros. moved seven components of a new coal stacker reclaimer over live coal conveyers.

■ Look for extended coverage of some of these jobs in future editions of *American Cranes & Transport*.

tasked with weighing the boat, jacking the boat within the restoration building to transport height, navigating the boat out of the building, travelling on city streets to the river and securing the boat onto a deck barge for inland transit to the testing site. The entire scope was donated by Berard.

■ **Tradelossa** transported two condensers for the Combined Cycle Power Plant Empalme I. Manufactured at Guadalajara Jalisco, with the destination in Sonora, the two condensers weighed 155,000 pounds each and measured 47 feet in length, 10.82 feet in width and 15.41 feet high. The journey was approximately 1,532 miles. The cargo encountered traffic in villages where power lines and bridges were too low.

Trucking 160,000 to 500,000 pounds (net)

■ **Precision Specialized** hauled a 169,800-pound boiler 2,360 miles from Nebraska to Ontario on its 13-axle transporter rigged with an eight-foot deck extension. The biggest challenge was the weight discrepancy from the U.S. to Canada, taking into consideration Ontario's 264,000-pound maximum allowance. Nebraska's axle capacity of 20,000 pounds also posed issues. There were many two-lane roads and trees, requiring diligence in load planning and support vehicles to assist. Numerous trailer modifications along a bare-bone deck extension design

led to the successful loading and transportation.

Trucking more than 500,000 pounds (net)

■ **Barnhart** transported three transformers from Maryland to Pennsylvania. The team received the transformers at the Port of Baltimore and rolled the largest transformer onto a barge that travelled to Havre de Grace, PA. The largest transformer, at 585,100 pounds, was transloaded onto a Barnhart 24-dolly transporter and hauled to the site and staged. The additional two were loaded onto rail and shipped to a nearby rail spur. These two smaller transformers were offloaded and transported to the project site using a Goldhofer THP. Major highway shutdowns, 90-degree turns, bridge jumps and uphill grades of 12 percent were some of the challenges. The project required months of planning.

Moving

■ **Berard** pulled off a massive feat with the load out and transfer of a 7,700-ton offshore supply vessel. The 350-foot long vessel was transported from its fabrication area to the shipyard's bulkhead in preparation for load out. Equipment used included 224 axle lines of Scheuerle and Goldhofer SPMTs, 8 PPU's, loading ramps, high-volume water pumps and winch trucks.

■ **Burkhalter** removed 10 bridge spans from the old I-95 bridge over West River in New Haven, CT using a plan that involved positioning

two Goldhofer SPMTs next to the jersey wall on each bridge directly east and west of the bridge being disassembled (for a total of four SPMTs). The transporters were then connected by two 83-foot girder beams with strand jacks attached. Once girder beams were set on transporters, the crew would travel to the bridge span to be removed, lower strand jacks and connect the span to the beam. The crew would then raise the bridge span with strand jacks until freed from the columns and travel with the bridge span towards an open spot in the roadway, lower the span to the ground and disconnect the strand jacks.

■ **Heavy Transport (Bragg)** was tasked with moving a 100-plus-year-old California-protected oak tree. The tree needed to be moved about 1.6 miles for land development. Heavy Transport utilized two 8-axle Goldhofer THPH platform trailers set up in a double-wide configuration and two Prime Movers with 110,000 pounds of counterweight ballast on each. The project involved loading, securing, transporting and setting the tree at its new home.

■ **Mammoet Canada** set to work redeveloping a three-level stack highway, The Turcot Interchange, involving the removal of a redundant rail tunnel in a very high traffic area. The demolition required the Mammoet team to straddle the tunnel with a high-capacity lifting structure displaced on SPMTs where sections would then be lifted using the hydraulic system. The rolling gantry was then positioned over tunnel sections while the sections were connected to lifting trusses. This massive project was completed in only 19 days and removing

each tunnel section each night in half the allotted time allowed the rail line to remain active.

■ **Nickel Bros.** successfully completed a project that involved receiving the components of a new coal stacker reclaimer delivered via a heavy-lift ship to Fraser Surrey Docks. The cargo – consisting of seven main pieces plus 91 components – was offloaded from the ship to transporters staged on a barge. The cargo was barged up the Fraser River to the Westshore Terminals coal facility and offloaded via a custom bulkhead. It was then transported more than 5,000 feet over rail crossings and through the coal field to the lay down and installation area. Pieces were then jacked up 18 feet and rolled 55 feet over live coal conveyors where they were lowered onto the long travel drives. This project contained many challenges such as insane centers of gravity, short tide windows and massive tide swings.

■ **Transdata** used a multi-modal plan to deliver 14 transformers in the Amazon Oriental region. Accessing the location of the substation was a huge challenge as the only highway that serves the region is mostly unpaved and impossible to travel on when it rains. With that road not an option, Transdata chose to barge the components on the Xingu River. Transdata carried out the overland haulage of six transformers some 190 kilometers. The 92.81-meter long transport system included a set of three Prime Movers plus 16-axle lines plus a girder bridge plus 16-axle lines. One transformer was hauled using two Prime Movers plus 24 axle lines plus a load distributor. That transport system was 58.31 meters long. ■



Integrity is essen

Ethical standards are central to CCO certification integrity.

NCCCO's ethics and discipline program is an essential component of the checks and balances necessary to underpin a strong certification program. Central to its effectiveness are procedures that provide a sound foundation for CCO certifications and enhance the professional status of all who carry CCO certification cards. The result is a safer job site for those whose work brings them into contact with cranes and other lifting equipment.

The vast majority of participants in CCO certification programs have nothing to fear from the procedures that NCCCO has put in place to ensure that all those that hold a CCO certification card, and all those who participate in CCO programs, play by the rules. However, for those who don't, the penalties and other consequences can be severe. In fact, with CCO certification mandated in many cases across the country, that could mean someone being deprived of their livelihood.

Ethical candidates and certified operators

"Unsafe operation of a crane, illicit drug use, cheating, forgery, fraud – just five of the ways that CCO-certified crane operators who flout the rules can learn first-hand how the NCCCO disciplinary program works and how, for varying amounts of time – up to and including lifetime bans – they can lose their certification."

That's how NCCCO introduced its beefed-up ethics and discipline program several years ago – and the sharp and direct tone was intentional.

"We needed to send a message to the (admittedly very small) minority of

Examples of fraud uncovered by NCCCO's Program Integrity Team over the years have ranged from candidates smuggling "cheat sheets" into the test room to the actual doctoring of certification cards. Some have even created their own versions!



NCCCO has adopted a Code of Ethics that exemplifies the professional conduct that is expected of CCO-certified personnel and program participants. Anyone found violating the Code of Ethics is subject to suspension or revocation of their CCO credentials.

people out there that NCCCO will not tolerate any attempts at subversion of its certification process and that any challenges to the integrity of the program will be dealt with to the fullest extent of our authority," said NCCCO's Ethics and Discipline Committee Chair, Ron Kohner.

NCCCO's high standards of ethics and integrity relate not just to certified crane operators but apply across the entire range of certifications and to all participants in NCCCO's programs, at whatever level.

Chief Examiners, Practical Examiners, and Test Site Coordinators are generally independent parties, and Training Providers are only indirectly connected to the program. However, all of them are expected to abide by the rules that govern their participation in the CCO certification programs.

These high standards are particularly important for Chief Examiners (who oversee written test administrations) and Practical Examiners, their counterparts on the hands-on tests. Both are required

Certification can be suspended or revoked for a variety of reasons including, but not limited, to evidence of:

- non-compliance with the NCCCO Code of Ethics
- culpability in an accident during the certification period
- non-compliance with ASME B30 physical requirements
- non-compliance with NCCCO's Substance Abuse Policy
- dishonesty or falsification of information on documents submitted to NCCCO



THE AUTHOR
Graham Brent is CEO of the National Commission for the Certification of Crane Operators (NCCCO).



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NCCCO enforces its Substance Abuse Policy regardless of any state law allowing the use of drugs such as marijuana for recreational or medical use.

to undergo extensive vetting prior to entering a thorough training program. For Practical Examiners, the training process is particularly demanding, requiring successful participation in up to three days of instruction and successfully passing an Examiner's exam.

The importance of program integrity

In any given year, NCCCO might have some 50 investigations underway – with perhaps 25 new cases annually – into allegations of misconduct by certificants and other participants in the program. While this represents less than one-third of one percent (.003%) of individuals ever certified, NCCCO treats each complaint seriously, recognizing that any one infraction could have (or could have had) tragic consequences.

The most common forms of misconduct include cheating during examinations, attempted forgery of certification cards or test results, engaging in unsafe crane operations (whether or not leading to an accident) and failing a drug test.

NCCCO uses a three-step process to ensure that allegations of misconduct are fairly and reasonably investigated and determined, and to protect the public against unprofessional and unethical conduct.

First, complaints are received and

matters. In some cases, a temporary suspension is issued in order to allow an investigation to be thoroughly pursued.

Second, matters are fairly investigated and adjudicated, with notice given to the affected party. This may result in a warning, or in suspension or revocation of certification, as well as prohibitions on testing for up to a year or more.

Finally, an opportunity is always provided for appeal of any sanction imposed. NCCCO has established a system of appeals bodies each with the necessary expertise to appropriately adjudicate the various issues that are brought forward, and to ensure a fair and due process to the appellant.

These actions are not taken lightly. NCCCO makes every effort to ensure that the process by which incidents are investigated and resolved is fair and transparent.

reviewed by the Program Integrity Team, an internal body composed of staff members with years of experience in program integrity



NCCCO currently offers an industry-leading range of certifications that address crane and crane-related operations. The organization's 26 certification designations across 11 categories provide the industry's most comprehensive portfolio of personnel certifications available. Officially recognized by federal OSHA and meeting or exceeding ANSI/ASME requirements, they are endorsed by all leading insurance providers and industry membership associations:

MOBILE CRANE OPERATOR PROGRAM

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. Additional subcategories have been created for service truck cranes (STC) and boom trucks (BTF). www.nccco.org/mco

TOWER CRANE OPERATOR PROGRAM

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. www.nccco.org/tco

OVERHEAD CRANE OPERATOR PROGRAM

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. www.nccco.org/oco

ARTICULATING CRANE OPERATOR PROGRAM

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. www.nccco.org/aco

DIGGER DERRICK OPERATOR PROGRAM

Digger derricks are unique pieces of equipment with their own capabilities and risks and, as such, a CCO certification program 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. www.nccco.org/ddo

DEDICATED PILE DRIVER OPERATOR PROGRAM

The Dedicated Pile Driver Operator 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. www.nccco.org/dpd

RIGGER PROGRAM

Two certification levels are available: Rigger Level I (RIG-I) certification indicates that certified operators 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. www.nccco.org/rig

SIGNALPERSON PROGRAM

In addition to being able to give accurate visible and audible signals, CCO-certified signalpersons (SGP) are required to have

“NCCCO goes to great lengths to protect the integrity of its programs by proactively seeking to ensure compliance with its policies, and thoroughly investigating any allegations of misconduct,” said NCCCO Director of Administration and General Counsel John Zarian. “For example, every candidate signs an agreement promising to comply with, among other things, NCCCO’s Code of Ethics and the Substance Abuse Policy.

Similarly, Practical Examiners must agree to be bound by NCCCO’s policies and procedures, not materially misrepresent or omit anything when submitting test documents and to always act “in a professional manner, according to accepted codes of business conduct.”

Recognizing the responsibility that a certification organization assumes on becoming nationally accredited and OSHA-recognized, NCCCO staff works diligently to ensure that these promises are kept and that the highest standards of fairness and integrity are upheld.

Legal action is a last resort

Regrettably, from time to time, in the most egregious cases, or when a simple cease-and-desist requests falls on deaf ears, it becomes necessary for NCCCO to go to court to help protect the program from unethical conduct.

In recent years, legal actions have been filed in several states including Hawaii, California, Utah and Alabama. A number of these lawsuits were filed in federal court and, in at least three of these cases, NCCCO pursued and obtained permanent injunctions.

NCCCO’s policy is to try to avoid litigation, or to resolve disputes informally whenever possible. However, when circumstances require, there may be no other option but to make a federal case of it.

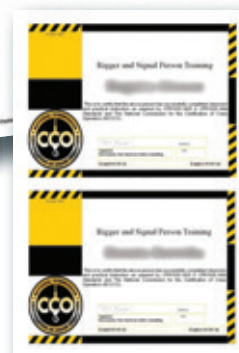
“It’s all part of our commitment not just to our candidates who have a reasonable expectation that all those certified by NCCCO will abide by the rules, but also to the employers who need to have faith in a system that will hold all certificatees to account,” said NCCCO CEO Graham Brent.

Protecting NCCCO’s Intellectual Property

For similar reasons of fairness and accountability, NCCCO makes strenuous efforts to protect its intellectual property. These include traditional measures, such as keeping secure examinations under lock and key, as well as the registration of its copyrights, including the content of actual questions used in the many tests that NCCCO subject matter



If it doesn't look like a CCO card, it isn't! NCCCO's Certification Card Fact Sheet provides candidates and employers alike with a tool by which to assess the authenticity of any card they may be presented with, while the VCO system provides an up-to-the-minute online verification.



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experts develop. NCCCO also deploys resources to register and monitor its trademarks, such as the CCO logo and the NCCCO acronym.

For these reasons, NCCCO has elected to subject its test security protocols to scrutiny by external contractors using the rigorous standards established by the National Institute of Standards and Technology (NIST) as well as the standards developed by test security firm, Caveon Test Security. Both employ forensic tools many times more powerful even than those used for ANSI accreditation. The conclusions of both audits were the same.

“NCCCO is committed heavily to ensure a secure, robust technology infrastructure,” Caveon reported following its audit of NCCCO’s security systems in 2015. “Examples of this include [the fact that] transcriptions are encrypted . . . servers are backed up for disaster recovery purposes, and security protocols are in place for the transmission of secure test data.”

Among the elements that Caveon cited as examples of “exemplary practices and processes” were: a “strong commitment to test security”; a “strong ethics and business

conduct culture; evidence that “staff is conscientious about containment . . . of confidential information” and that “overall test security related policies that are in place adhere to accepted best practices.”

Increasingly, NCCCO is using technology to strengthen the integrity of its programs. For example, internet surveillance and monitoring has been found to be a particularly powerful and effective tool to protect NCCCO’s intellectual property.

Similarly, in 2013, NCCCO developed the Verify CCO Online (VCO) System, providing industry with a comprehensive directory of individuals who are certified by NCCCO. The adoption of the VCO system dramatically reduced the number of incidents involving doctored certification cards or misrepresentations of certification status.

In sum, so long as human nature remains fallible, NCCCO will continue to search for ways to seek out those “bad actors” whose actions, whether intentional or through simple carelessness or lack of attention, risk jeopardizing the integrity and professionalism of CCO certification.

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.

www.nccco.org/sgp

CRANE INSPECTOR PROGRAM

The CCO crane inspector (CI) 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, tower and/or overhead 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.

www.nccco.org/ci

WASHINGTON CRANE CERTIFIER

Washington’s Crane Certifier Program was developed by NCCCO under an agreement with the state’s Department of Labor and Industries. NCCCO also administers the state exams. Candidates must be able to demonstrate at least five years 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 crane categories: Mobile Cranes, Tower Cranes, Articulating Cranes and/or Overhead Cranes.

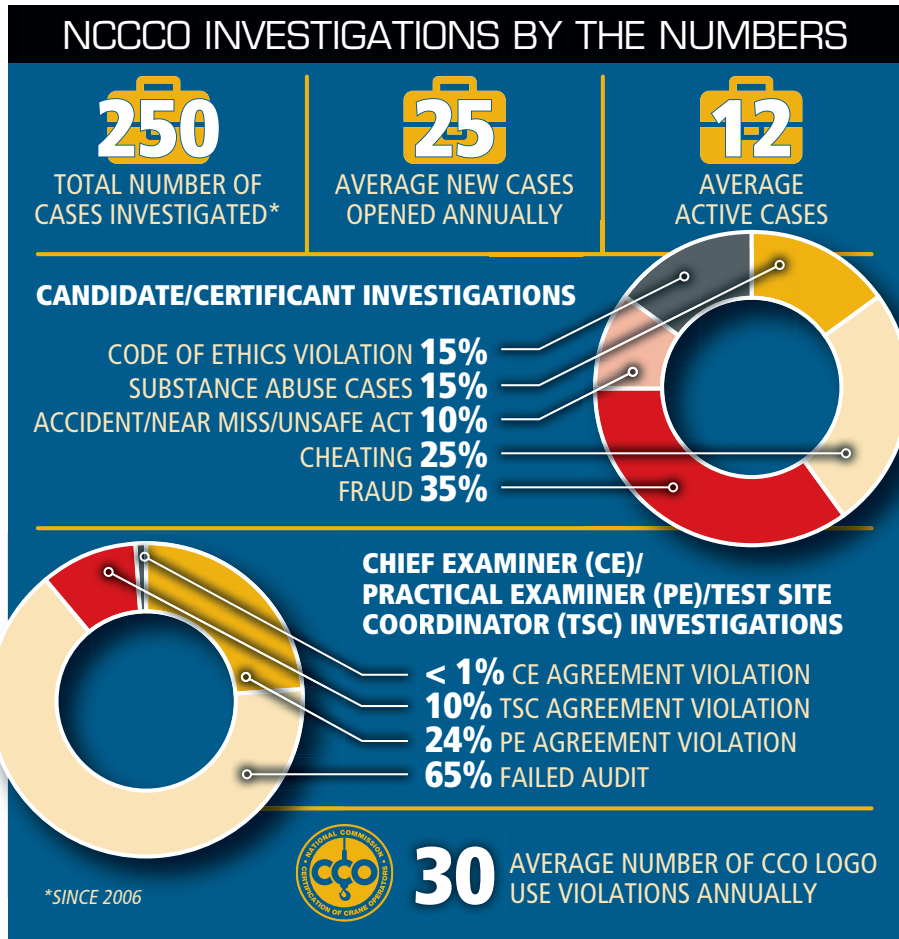
www.nccco.org/wcc

LIFT DIRECTOR PROGRAM

The CCO lift director (LD) 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 and tower crane lift directors. 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.

www.nccco.org/ld

CCO CERTIFICATION PROGRAMS



Achievements galore

SC&RA: At the top of its game in 2017.

Serving more than 1,350 member companies across 46 nations, the Specialized Carriers & Rigging Association represents specialized transportation, crane, rigging, machinery moving and erecting, industrial maintenance, millwrighting and manufacturing. It is the source for providing education, events, safety materials, reference tools and advocacy on behalf of the industry.

The year 2017 proved to be a stellar one for SC&RA as it worked to help its members move and lift the world. Here are some highlights from the year that demonstrate its mission to help member companies do business safely, legally and profitably.

In 2017, the Association launched four key initiatives with the Federal Highway Administration (FHWA).



THE AUTHOR
Mike Chalmers serves as partner, chief copywriter for Thrive Content Solutions LLC, a creative copywriting agency based in Chicago.

Top 'Transportation Advocacy' CO-PILOTING WITH FHWA

In 2017, the Association launched four key initiatives with the Federal Highway Administration (FHWA). "Two of the four FHWA initiatives comprise actual contracts the FHWA put out – involving permit systems and pilot/police escorts," said J Rozum (SC&RA 2016-17 Transportation Group Chair).

STATE AUTOMATED PERMIT SYSTEMS

"FHWA put out a request for proposal and SC&RA was again selected as a consultant for a project that will produce a FHWA-endorsed listing of best practices of state automated permit systems," Rozum (MSA Delivery Service) noted.

Adding that the Association has made great progress within the last five to ten years – in relation to having some semblance of a state-automated permitting program – SC&RA Vice

President, Steven Todd, explained, "We're seeing more states become efficient with their permitting systems, and I think we've been successful in advocating to the Federal Government that it's important to document those best practices."

NATIONAL COALITION ON TRUCK PARKING

The National Coalition on Truck Parking formed about a year ago and started heating up in 2017. SC&RA successfully advocated to have a seat on this FHWA committee. "These gatherings address unique challenges our industry faces in considering truck parking – and focus on having an ever-productive impact within these conversations," explained Rozum.

EMERGENCY WORK GROUP

Another FHWA committee that SC&RA successfully advocated to have a seat on was the Emergency Work Group. The group was primarily designed for the Federal Government to recommend

Recognition through awards

An SC&RA Award is an unmatched chance to promote company and individual achievements to one's peers – through multiple channels. "The visibility allows you to share the posts; your clients and employees are able to see and be a part of the success of the project," said Keith Settle (Oxbo Mega Transport Solutions). "Sure, winning a Job of the Year is a great achievement, but you get just as much exposure for your project and company by simply entering and presenting at the conference."

Winner of a Crane & Rigging Award this year, George Young (George Young Company), considers the awards an opportunity for companies to distinguish themselves. "It shows that decade after decade – not only by management and ownership, but by the people who are out there every day doing the work – a commitment to the work, and to success, has been achieved," he stressed. "These awards are a great sales tool, as well – and, of course, a benchmark with which to measure success and growth."

Awards are organized into four categories: Crane & Rigging, Transportation, Industry and Longevity. Within each category are separate groupings exclusive to the category. One such sub-category is the popular Job of the Year designation, which lands in both Crane & Rigging and Transportation.

As a symbol of SC&RA's endurance and industry impact, this particular award has been going strong since 1965 (See Page 11 for the 2017 Job of the Year winners.)

The 2018 SC&RA Awards Program is open for submissions until March 6, 2018.



SC&RA rewards members who successfully recruit new members within its Member Get a Member program.



Connecting members and ideas

In a niche industry, SC&RA's collective clout of over 1,350 member companies in 46 countries enables the Association to be at the forefront of government agencies, national, state and local policy makers, as well as worldwide governing bodies, all to pursue laws and regulations that improve safety, efficiency and profitability for member companies. But some of the most powerful connections involve people.

International member Adriana Nunes (Transdata Movimentacao De Cargas Complexas) considers her SC&RA membership a benefit on both a professional and personal level.

"To be linked with a renowned international association is essential," she said. "The Association consistently offers relevant educational topics at events and on the webinars – and the networking opportunities with other members are very important for me."

Jeremy Landry (Deep South Crane and Rigging, LLC) echoed Nunes, "The Association operates on a large enough scale to get government to actually make beneficial changes. And personally, SC&RA has helped me to make friends and form relationships that I probably would not have made from a day-to-day standpoint."

best practices to all 50 states – as to how states, as well as the industry, can efficiently maneuver emergency response vehicles during times of national and locally declared emergencies. "Obviously, much of it falls within the realm of legal loads," said Rozum, "but there are also specialized loads – like emergency transformers that need moved between utility stations. It's important for SC&RA to be a part of the coordination and harmonization between states for more efficiently moving oversize loads during times of declared emergencies."

PILOT CARS

SC&RA was procured as a consultant for a contract involving the updating of FHWA pilot car best practices, law enforcement best practices, a first-of-its-kind national pilot training curriculum and a first-of-its-kind roadmap for possible and national pilot certification.

ADDITIONAL MEASURES

SC&RA also produced two new driver training DVDs in 2017. The Load Securement DVD is an updated and

MEMBERS RECRUITING MEMBERS

"The proof that SC&RA members get value out of their membership is evident in the Member Get a Member Program," said Jason Bell, director of Membership at SC&RA.

The program rewards members who successfully recruit new companies by providing recognition for the individual and their company, as well as a small gift. "It's become a friendly competition for member companies," Bell explained. "But the affinity for memberships goes beyond the program."

Like many members, Larry Wainscott (Global Executive Solutions Group) has no problem spreading the word. "A lot of times when I'm on the phone with potential clients, I'll ask them if they're members of SC&RA – it's one of my first lines. I tell them I'm an Allied member. If they're not, I pass on the information and encourage them to join."



SC&RA MEMBER RECRUITERS THROUGH OCTOBER 2017

The following companies take top honors for recruiting members to the SC&RA family

- AmWINS Brokerage of Texas
- Aspen Custom Trailers
- Bennett International Group
- Bilco Wire Rope & Supply Corp.
- BOSS Crane & Rigging
- Bragg Companies
- Buckner Companies
- Construction Safety Experts
- Cranes, Inc.
- G&G Specialized Carriers, LLC
- International Industrial Contracting Corporation
- KHL Group
- Manac Trailer
- McKee Oversize Load Escorts, LLC
- NBIS (NationsBuilders Insurance Services, Inc.)
- NessCampbell Crane + Rigging
- Norman-Spencer Agency
- Operating Engineers Local Union No. 3
- Perkins STC
- Pit Row Services
- Python America
- Simard Suspensions Inc.
- Tadano America Corporation
- Thackray Crane Rental, Inc.
- Verope USA
- Vlaming & Associates, APC
- Wilkerson Crane Rental, Inc.



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Top 2017 networking events

SC&RA's events provide opportunities to network with the industry's foremost decision makers, learn from industry experts, network with hundreds of industry peers and participate in committee discussions that serve as the catalyst for many of SC&RA's advocacy successes. In 2017, SC&RA's four flagship annual events boasted impressive numbers:

- **JANUARY BOARD & COMMITTEE MEETING**
189 attendees
- **SPECIALIZED TRANSPORTATION SYMPOSIUM**
478 attendees (a record) and 55 exhibitors (a record)
- **ANNUAL CONFERENCE**
750 members (60 internationals) and 94 booths
- **CRANE & RIGGING WORKSHOP**
632 attendees (a record), 148 first-timers (29 internationals) and 90 exhibitors

Understanding the impact SC&RA meetings can have on newcomers, Wainscott added, "It's huge; you get to know all the movers and shakers – the industry leaders – and attend so many worthwhile presentations. Of course, the networking opportunities are abundant – I've gotten more business from going to SC&RA meetings than any other thing I've done as a recruiter."



SC&RA hosts four flagship events per year where members enjoy unmatched networking opportunities.



Education sessions at SC&RA events in 2017 were often at capacity or standing-room only.

improved video on load securement for OS/OW loads. The first-of-its-kind Driver Training DVD, addresses the specific needs of drivers who are new to the specialized transportation industry.

Additionally, the Association enjoyed a number of permit harmonization wins across the U.S. this year, including: Sunday travel, nighttime travel and increased permit weight.

Top 'Crane and Rigging Advocacy'

A SPREADER BAR IS NOT 'PART OF A LOAD'

The Federal Mine Safety & Health Review Commission held its open discussion of the Sims Crane appeal on June 30, in which SC&RA is an amicus curiae. According to Adele Abrams, Esq., CMSP (counsel for SC&RA, Mobile Crane Operators Group and

Crane Owners Association), the four-member commission was split 2-2 during deliberations. But these are not "final" positions.

During oral arguments, Abrams emphasized the industry's position that a spreader bar is not "part of the load" – as was determined by MSHA (Mine Safety and Health Administration) and the administrative law judge's (ALJ) decision in the case against Sims.

Regarding the case, SC&RA believes



it is important to continue to fight the ALJ's determination that a "spreader bar is part of the load." Bill Smith (NBIS) said the determination could have a serious impact on the industry moving forward.

"The MSHA inspector in this case presumed/assumed the spreader bar was a load on the crane. If this citation sticks, then any kind of below-the-hook lifting device could become part of the load – and workers can't conceivably do their job, because they won't be able to attach loads to various lifting devices."

OSHA EXTENSION SUCCESS

Just this fall, along with industry partners Coalition for Crane Operator Safety (CCOS), SC&RA assisted in the success to secure a one-year extension (Nov. 10, 2018) of OSHA's crane operator certification and employer qualification

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SC&RA continues to support Sims Crane in confirming that a "spreader bar is not part of the load."

Workforce development

SC&RA is committed to attracting and engaging young men and women to the crane, rigging and specialized transportation profession, and is approaching this pledge in two specific ways:



LIFT & MOVE USA

SC&RA announced early in the year that it had pledged up to \$300,000 as the anchor sponsor for eight Lift & Move events held throughout this year and into 2018. Lift & Move is a one-day conference aimed at introducing the crane, rigging and specialized transport sector to young people. Last year, Lift & Move held three successful events drawing over 1,200 high school/vocational/technical students and military veterans. Lift & Move is jointly organized by SC&RA, SC&R Foundation, the National Commission for the Certification of Crane Operators (NCCCO) and industry publisher KHL Group.



SC&RA LEADERSHIP FORUM

The SC&RA Leadership Forum are events designed to engage and accelerate career opportunities for a select group of the best and brightest in the crane, rigging, specialized transportation and supporting industries. SC&RA staff selects a diverse group of candidates, from many different industry segments, regions and backgrounds, to meet and discuss industry challenges and opportunities among like-minded peers and hear first-hand from members who have leveraged SC&RA for their businesses and personal advancement.

In addition to these exclusive networking opportunities, Forum participants were also specifically matched with an established industry mentor to help answer broader daily operational questions and establish a stronger business network beyond the Forum's sessions.

Renee Wysocki (Crane Network, LLC), was in attendance. "I thought it would be a good way to meet new people from a wide variety of backgrounds and understand how I can use those new connections to benefit my company," she explained. "Through our discussions, I was able to go back to my company with new concepts for services and products that will solve problems more efficiently."

The next Leadership Forum will be held at the 2018 Specialized Transportation Symposium, February 28. Participants are required to submit an application and recommendation from a supervisor. Applications are available at scranet.org/LeadershipForum, and the deadline for submission is January 2, 2018.



The SC&RA Leadership Forum kicked off in 2017 and realized an immediate benefit for members and the Association.



requirements. OSHA proposed the second delay of the enforcement date in order for the agency to address stakeholder concerns over operator certification requirements in the 2010 cranes and derricks in construction standard. The requirements in question ensure that operators of equipment covered by the standard are competent to operate the equipment safely.

NEW YORK STATE OF MIND

SC&RA continues to examine New York City Safety Bills. "Whenever local or state regulations conflict with federal regulations, the compliance issue becomes important, especially for companies that work in several different states," Peter Juhren (Morrow Equipment) said. "The New York City bills have some merit, but the age limitation is one that research by leading renowned experts have repudiated with long-range statistics, showing that the age of the crane has never been the factor in a crane accident."

Juhren added, "SC&RA members have been strongly united in the discussions regarding the bills in front of the New

Top Selling SC&RA Products in 2017-2018

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- STATE & PROVINCE ONLINE PERMIT MANUAL
- GUIDE TO MOBILE CRANE SAFETY MANAGEMENT (ENGLISH, SPANISH, PORTUGUESE)
- SPECIALIZED TRANSPORTATION DRIVER TRAINING
- FORKLIFT RIGGING ATTACHMENTS
- OPERATING CRANES AROUND POWERLINES
- SPECIALIZED TRANSPORTATION LOAD SECUREMENT

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Member recognition is an important aspect of SC&RA's program of work. SC&RA's Safety Awards recognize companies with outstanding safety records and accomplishments.



York City Council. We want to ensure that safety is paramount, and that regulations must be reasonable and be in a manner the industry can comply with.”

WEIGHING CRANES ON MOBILE SCALES

A task force was created to examine the weighing of cranes on mobile scales. The group is working to eliminate inaccurate weighing of cranes on mobile scales and will be developing a white paper and video to explain proper weighing techniques. As noted by John Mummert (ALL Erection & Crane Rental), an issue arises when a crane utilizing this type of suspension is weighed. “Individual weighing of one axle at a time will result in a much higher individual axle load. It is recommended by several manufacturers that a crane be weighed all at once – on a level surface to achieve the most accurate weights.”

THREE ‘FORCES’ TO BE RECKONED WITH

SC&RA's Crane & Rigging Group Safety Education & Training Committee met at the Crane & Rigging Workshop this past September and discussed three new task forces: Boom Dollies, Weighing of Cranes on Mobile Scales and Hazard Preparedness. The latter task force was an idea born on the heels of three major hurricanes. This Hazard Preparedness Committee would develop best practices for reasonable preparation before, during and after major weather events or natural disasters, as well as guidance on how to deal with the media when such events occur.

ELDS: THIS IS REALLY HAPPENING

Important for both Crane & Rigging

SC&R Foundation extends reach

The Foundation, a 501 (C)3 nonprofit, exists to support SC&RA member companies and the industry as a whole – funding industry-specific research projects and awarding nearly \$60,000 in scholarships and grants annually and an additional \$200,000 plus in online and in-person courses through their Partners in Education. The Foundation also supports Lift & Move USA events and other initiatives to educate the next generation of workforce.



SC&R
FOUNDATION

FOUNDATION RESEARCH

The 2017 Benchmark Study, sponsored by the SC&R Foundation, and underwritten by Hays Companies and Unified Logistics Operating Group, measures key financial indicators of business health across the industry. It was the basis for the Financial & Risk Management Forum in November which was filled with interactive sessions covering the latest industry issues and their financial implications. The event was a memorable success, and brought together CEOs, CFOs, comptrollers, owners and safety and risk managers in the specialized transportation, crane, rigging and millwrighting industry – to identify financial strategies to grow business, increase profits and eliminate inefficiencies. A confidential one-on-one financial plan review was also available to attendees to review company financials and 2017 Benchmark Study findings.

PARTNERS IN EDUCATION/CERTIFICATION

The SC&R Foundation was pleased to announce in 2017 several partnerships with organizations who wish to give back to the industry and bring in young people by establishing grants. The Foundation is able to offer grant applicants over \$200,000 in courses in-person and online through their partnerships with Associated Training Services (ATS), CICB (Crane Institute & Certification Bureau), Industrial Training International (ITI) and NCCCO (National Commission for the Certification of Crane Operators).

‘INDUSTRY TERMS APP’

The Foundation released a mobile app this year, as well, which highlights all industry terms for crane, rigging and transportation. The app is free for members and \$4.99 for non-members, and is available in English, Spanish and German.

GRANTS AND SCHOLARSHIPS

In 2017, the Foundation awarded \$18,000 for scholarships. Grant winners were selected throughout the year, totaling \$25,000. A list of all winners can be found by visiting: www.scr-foundation.org/2017-grantscholarship-winners.

The SC&R Foundation gave nearly \$60,000 in grants and scholarships in 2017.



and Transportation members, is the December 18, 2017, ELD (electronic logging device) compliance date.

“Many companies, including specialized carriers and crane companies, are likely asking themselves, ‘Are we fully prepared?’” Dave Osiecki (Scopelitis Transportation Consulting), pointed out. “Perhaps your company has its ducks in a row, and the stress of ELD implementation is in your rear-view mirror. For your sake, I hope so.”

Osiecki emphasized the importance of “de-mystifying” rules, reading the actual

FMCSA language within those rules, team training, reviewing and updating company policies and procedures, using available resources and breaking information down into “bite-size” pieces. An SC&RA webinar on this topic is available for viewing at scrnet.org/webinars.

Looking ahead, SC&RA celebrates its 70th anniversary in 2018. For more information, visit:

www.scranet.org

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More than insurance

NBIS improves the risk profile of its policy holders. **Tim Hillegonds** reports.

The message that NBIS has been spreading since it became the exclusively endorsed provider of insurance and risk management to the Specialized Carriers and Rigging Association (SC&RA) in 1996 has remained largely the same over the last two decades: provide superior insurance and risk management solutions to the heavy construction market. It's a simple message for a complex industry, but it's this simplicity, perhaps, that makes it so effective.

"NBIS is a risk management company with an insurance product," said NBIS President Bill Tepe, touching on the company's differentiator. "Our primary objective is to improve the risk profile of our policyholders while providing the finest insurance coverage available. We are looking to provide our clients with options to manage their risk – not simply a one-size-fits-all product."

NBIS has always viewed itself as a risk management company and not simply an insurance company – a distinction that helped steer the organization to record premium levels in 2016. However, the company's growth also comes as a result of a few other distinct factors: NBIS's continued investment in new risk management tools, the development of new and innovative insurance programs and a growing team of experts focused exclusively on the heavy construction industry. In recent years, the investments that NBIS has been making in their organization have often been in technology – specifically, in online training technology. The changing safety, regulatory and technology landscapes have given them opportunities to both educate and provide coverage.

"In 2015," said Tepe, "we rolled out our

The company that insures you doesn't matter until all of the sudden it does.



BILL TEPE, president, NBIS

online driver training program, which is customized for drivers in the three industry disciplines we insure: Mobile Crane Drivers, Concrete Pump Drivers and Tractor Trailer drivers of oversize, overweight and over-dimensional loads."

Filling in a few more of the details, Tepe said that toward the end of 2016, NBIS began providing policyholders with additional online health and safety tools. "The world continues to change," he added. "And we endeavor to provide risk management tools that change with it."

This new offering of online tools that Tepe is referring to includes courses such as: Crane Safety in Construction, which covers, in part, the recent changes to operator certification and equipment inspection requirements, as well as Rigging Safety, which teaches recent changes in OSHA crane safety regulations, "qualified/competent" riggers and signalers and personal protective equipment. Add in Slips, Trips and Falls in Construction, a course that shows employees situations on construction sites that can lead to these types of accidents, and Driving Defensively, which provides information employees need to drive cars, vans and small trucks defensively, both on and off the job, and the sum total is a robust offering of courses meant to educate, enable, and empower.

Why your insurer matters

Bill Tepe coined a phrase, "The company that insures you doesn't matter until all of the sudden it does." Part of what he's getting at is that insurance is largely just a commodity until a claim occurs – then it very much matters which insurance

company is insuring you. If your insurer doesn't know the ins and outs of your particular business and industry, how can they possibly know how to put together a solid defense on your behalf? It's a simple question, one might argue, but it's an extremely important one.

The claims experts at NBIS have managed a sizeable number of claims – of all types – for their insureds. And they've often found themselves in situations where they need to practice what they preach; that is, to do everything they can to mount the right type of claims defense when they feel their policyholder isn't at fault.

To put this in context, an NBIS claim that occurred in Florida not long ago is a good place to begin. The claimant, who was working for the company that bare rented the NBIS insured crane (the lessee), sustained a serious laceration to his hand and a partial amputation of a finger when he failed to let the airplane landing gear unit that was being lifted completely open before commencing work.

The airplane landing gear was suspended from the crane at the time, which was locked and not moving, and as the man began to work on the unit, the landing gear suddenly opened, pinching his hand and finger in the suspension struts. (Think of an expandable, accordion-like dog gate.) The claimant's attorney made a \$1M demand from NBIS in 2016, which was promptly rejected. Then, NBIS aggressively pursued indemnity and defense for its insured based on the favorable terms and condition of the rental agreements. NBIS was able to successfully close its claim for the insured (with no payment against the policy) upon acceptance of the tender by the opposing insurance carrier.

Tepe is also getting to the heart of something else with his catchphrase, something that seems equally important: an insurance company that truly knows an industry knows how to react to the needs of that industry. So recently, in response to a market need they had identified, NBIS rolled out a new self-insured retention (SIR) program. This SIR program enables an insured to



THE AUTHOR

Tim Hillegonds spent 10 years in the heavy construction insurance industry before founding Thrive Content Solutions,

a creative copywriting agency dedicated to helping businesses tell their stories.



ART KIRKNER,
vice president,
claims, NBIS

“ A SIR enables the insured to manage loss frequency efficiently by reporting only those claims that are likely to exceed their policy SIR level. ”

immediately see the financial effects of larger losses, since they are responsible for the first dollar of loss up to their selected retention amount. NBIS Claims Vice President Art Kirkner explained the benefits of SIR programs as multifaceted.

“A SIR enables the insured to manage loss frequency efficiently by reporting only those claims that are likely to exceed their policy SIR level,” he said. “[With

these types of policies] the insured engages NBIS Claims to handle and pay any loss and expense amount directly to the third-party using the insured’s own funds. Upon renewal, these lower level losses are not part of the insurance company’s loss run.”

Kirkner said that this early awareness of claim activity results in the timely engagement of risk management services

to ensure safer and more efficient accident prevention procedures and training are in effect. The idea is a true collaborative process that focuses on prevention and mitigation, and seeks claims outcomes that benefit everyone involved.

Claims within SIRs

NBIS has seen an increasing number of large clients elect a self-insured retention (SIR) approach as a way to manage their premium dollars more effectively. It’s worth noting, however, that the way claims are handled within SIRs is wholly different than within traditional policies. With SIRs, NBIS and the SIR policyholder effectively enter into a claim services agreement whereby NBIS provides claims services to handle the claims that fall within the self-insured retention amount.

Similarly, NBIS also provides a large deductible option that has comparable premium price benefits to the customer. Unlike large self-insured retentions, though, where the policyholder pays the first dollar of loss and expense up to the self-insured retention limit (SIR policyholders don’t actually need to report claims that fall within their SIR unless they want to) those customers who elect a large deductible need to report all losses that occur. In these situations, insureds who have a deductible must also satisfy any outstanding deductible obligation at the time of their renewal.

When a customer elects a large self-insured retention solution, or chooses a large deductible option, there are often financial benefits that manifest in the form of lower premium costs. And both SIR and large deductible approaches often help reduce incurred loss dollar as well.

If history speaks at all to the future, we can reasonably surmise that NBIS will continue to evolve with the growing, changing market it serves. Whether through advances in risk management tools and technology or a good-old-fashioned hard work ethic, NBIS promises to fight for their policyholders in every way they can.

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BY THE NUMBERS	EMPLOYEES	29,289
	BRANCHES	697
	MOBILE CRANES	14,679
	CRAWLER CRANES	2,935
	TOTAL CAPACITY	2,365,967 tons
	AREAS OF OPERATION:	
	REGIONAL	59
	NATIONAL	31
	WORLDWIDE	13
	NEWCOMERS TO THE LIST	14



The 2017 **ACT100** is the most comprehensive ever. Comparing the 2017 **ACT100** to the 2016 **ACT100** reveals some interesting analysis.

First off, the **ACT100** total capacity grew substantially this year to 2,365,967 US tons, up 198,907 tons from 2,167,070 in 2016. Last year the total capacity only grew a mere 13,319 tons over 2015. The growth can be attributed to new, higher capacity cranes and fleet additions.

While this is good news, the market is still relatively flat. It's apparent companies on the list did a lot of consolidation and cut their workforces. The number of branches grew from 694 in 2016 to 697 this year. The number of employees fell from 33,772 in 2016 to 29,289 in 2017. This is the second year in a row

that employee totals fell. In 2015, the **ACT100** employee count was 37,040.

In terms of crawler cranes, the number of these units went down by 111 in 2017. Our list shows 2,935 crawlers in 2017 as compared to 3,046 in 2017.

Surprisingly, the number of mobile cranes also did not grow. There was actually a retraction in the number of these units. In 2016 we showed 14,913 mobile cranes and this year the total is 14,679. We understand a big sell off of rough terrain cranes may be a reason for the mobile crane total falling.

For the 12th time, Maxim Crane Works is Number 1 on the **ACT100**, with an estimated **ACT** index of 680,700 tons. This year we had to go with an estimate as Maxim is amid another large-scale acquisition that has not yet closed. Our

ACT100 2018

Submit information for the 2018 **ACT100** by emailing: d.annshiffler@khl.com

1	1	Maxim Crane Works*	USA	31	3,300	Worldwide	Bryan Carlisle, CEO
2	2	ALL Family of Companies (ALL Erection & Crane Rental)	USA	38	1,500	National	Michael L. Liptak, President
3	3	Lampson International	USA	8	300	Worldwide	William Lampson, President
4	5	Bigge Crane and Rigging Company	USA	17	932	National	Weston Settlemier, President/CEO
5	4	Mammoet North America	USA/Canada	23	1,400	Worldwide	Jan Kleijn, CEO
6	6	TNT Crane & Rigging	USA	43	1,500	National	Mike Appling, CEO
7	8	Barnhart Crane & Rigging	USA	45	1,200	National	Alan Barnhart, CEO
8	15	Buckner HeavyLift Cranes	USA	5	500	Worldwide	Doug Williams, CEO
9	9	NCSG Crane and Heavy Haul Services Corp.	Canada	26	1,000	National	Ted Redmond, President/CEO
10	11	W.O. Grubb Inc.	USA	11	375	National	William O. Grubb, President
11	24	Entrec Corporation	Canada	16	550	National	John Stevens, President/CEO
12	10	Deep South Crane & Rigging	USA	6	600	Worldwide	Mitch Landry, Vice President
13	13	J.F. Lomma Inc.	USA	8	185	Worldwide	James Lomma, President
14	16	Bragg Companies	USA	14	640	National	Ian Johnson, COO
15	14	Guay Inc.	Canada	20	500	National	Jean-Marc Baronet, President
16	19	Sims Crane and Equipment Co.	USA	14	480	Regional	Dean Sims II, President
17	18	Sterett Crane & Rigging	USA	8	120	National	Jonathan Spong, President
18	20	ML Holdings Company Crane Group	USA	19	476	National	Scott Wilson, President
19	21	Scott-Macon Equipment	USA	9	200	Worldwide	Robert B. Dimmitt, Executive Vice President
20	22	Marco Crane & Rigging	USA	6	187	National	Dan Mardian, Jr., President
21	30	Beyel Brothers Inc.	USA	8	324	Regional	Joseph D. Beyel, President
22	23	Imperial Crane Services	USA	7	250	Worldwide	B.J. Bohne, President/CEO
23	26	Allegiance Crane & Equipment	USA	10	375	Worldwide	James Robertson, President/CEO
24	25	Mountain Crane Service	USA	5	197	National	Paul Belcher, Owner
25	27	H&E Equipment Services	USA	32	2,000	National	Cary Burr, Senior Vice President of Cranes
26	31	Stevenson Crane Service	USA	3	175	Worldwide	Donna Stevenson, President
27	28	Utility One Source	USA	26	1,000	National	Fred Ross, President
28	33	Ring Power Crane*	USA	10	80	Worldwide	Dave Glass, Vice President/General Manager
29	38	NessCampbell Crane + Rigging	USA	9	250	Regional	John Anderson, President
30	29	Dozier Crane & Machinery	USA	4	35	Worldwide	Dozier Cook, Owner
31	37	Kelley Equipment of Florida Inc.	USA	3	160	Regional	Daniel H. Gold, CEO
32	35	Irving Equipment	Canada	12	130	National	David Irving, General Manager
33	36	Barcelona Equipment	USA	1	60	Regional	Bob Steiner, President
34	43	Northwest Crane Service	USA	8	95	National	Andy Hodges, President
35	34	Circle 8 Crane Services	USA	6	194	Regional	Bryan Ericson, President
36	47	Southwest Industrial Rigging	USA	4	170	National	Mike Madge, Vice President
37	40	Digging and Rigging	USA	6	212	Regional	James Gregory, Sr., President
38	NEW	Dielco Crane Service	USA	1	90	Regional	David Dieleman, President
39	42	Wagstaff Crane Service	USA	4	95	Regional	Jim Wagstaff
40	46	Transportes y Gruas Auriga	Mexico	5	200	National	Jose Cano
41	44	Capital City Group	USA	5	135	Regional	Brian Gibson, President/CEO
42	62	Big B Crane	USA	2	79	Regional	Daniel Basden, President
43	67	Vic's Crane & Heavy Haul Inc.	USA	4	200	Regional	Josh Horsch, Vice President
44	45	Fagioli Inc. (USA)	USA	3	90	Worldwide	Edoardo Ascione, President

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allcrane.com	1,985	363	Manitowoc 21000	1,000	175,121
lampsoncrane.com	73	387	Lampson Transi-Lift LTL-3000	3,000	125,263
bigge.com	627	189	Liebherr LR 1750/2	827	123,623
mammoet.com	528	136	Mammoet PTC 200	5,000	99,689
tntcrane.com	570	51	Liebherr LTM 11200-9.1	1,300	80,117
barnhartcrane.com	409	29	Terex-Demag CC4000 RL	1,760	58,916
bucknercompanies.com	12	131	Liebherr LR 11350-P	2,000	56,923
ncsg.com	336	40	Liebherr LTM 11200-9.1	1,440	56,277
wogrubb.com	265	73	Liebherr LR 1750/2	825	50,465
entrec.com	169	20	Liebherr LR 1750	750	48,816
deepsouthcrane.com	208	22	TC-36000 VersaCrane	2,500	48,041
jflommainc.com	158	92	Manitowoc 18000 w/Maxer	826	43,238
braggcrane.com	319	31	Liebherr LR 1750/2	825	39,374
gruesguay.com	426	22	Liebherr LTM 11200-9.1	1,500	37,622
simsocrane.com	291	43	Kobelco SL6000	600	37,499
sterettcrane.com	148	41	Terex CC2800-1	660	28,870
mlholdingscranegroup.com	198	21	Grove GMK 7550	550	26,309
smequipment.com	465	56	Terex AC140	170	25,430
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beyel.com	135	46	Terex Demag AC650	750	21,545
imperialcrane.com	195	35	Liebherr LTM 1500	600	19,000
allegiancecrane.com	131	14	Terex AC-500	650	18,694
mountaincrane.com	82	23	Liebherr LTM 1750-9.1	900	17,580
he-equipment.com	387	0	ManitowocGrove RT 9150	150	17,500
stevensoncrane.com	140	28	Manitowoc 18000 w/Maxer	826	16,886
utility1source.com	282	25	Terex AC250	250	14,060
ringpowercrane.com	110	26	Manitowoc 16000	440	13,657
nesscampbell.com	88	1	Liebherr 1500-8.1	600	12,850
doziercrane.com	40	59	Kobelco CK-2750G-2	275	12,740
kelleyequipment.com	52	34	Terex Demag AC500-2	600	12,725
irvingequipment.com	102	20	Liebherr LR 1750	827	12,180
barcelonacrane.com	51	40	Tadano ATF 400G-6	450	11,237
northwestcraneservice.com	30	4	Liebherr LR 11000	1,200	11,010
circle8services.com	65	0	Grove GMK 7550	550	10,700
swirusa.com	80	8	Grove GMK 7550	500	10,416
digrig.com	84	0	Liebherr LTM 1750-9.1	900	10,334
dielcocrane.com	65	13	Liebherr LR 1600/2	660	9,535
wagstaffcrane.com	71	2	Liebherr LTM 1750-9.1	900	9,512
auriga.mx	50	9	Manitowoc 18000	800	9,400
ccgroup-inc.com	86	17	Grove GMK 7550	550	8,972
bigbcrane.com	36	31	Terex HC285	285	8,695
vicscrane.com	65	6	Demag CC2800 w/superlift wagon	660	8,438
fagioli.com	12	8	Liebherr LR 11350	1,500	8,300

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45	50	CraneWorks Inc.	USA	3	145	Regional	David Upton, Onwer
46	49	R.H. Marlin Inc.	USA	1	75	Regional	Joe Fox, Vice President
47	54	Edwards Inc.	USA	5	421	Regional	Jamie Ezzell, Crane Division Manager
48	41	Burkhalter Rigging	USA	5	150	Worldwide	Delynn Burkhalter, CEO
49	48	Scott Powerline and Utility Equipment	USA	2	51	National	Jeffrey L. Johnson, Executive Vice President/COO
50	53	Erickson's Inc.	USA	4	65	Regional	Steve Erickson, President
51	77	Crane Works Inc.	USA	8	80	National	Keith Ayers, CEO
52	51	Thackray Crane Rental	USA	5	135	Regional	Mark Thackray, Operations/Safety Director
53	57	Clark Rigging & Rental Corp.	USA	3	50	National	David F. Clark, President
54	59	Ideal Crane Rental	USA	4	95	Regional	Robert Kalhagen, President
55	64	Giuffre Bros. Cranes Inc.	USA	5	36	Worldwide	Todd Proctor, Branch Manager
56	58	Blue Hat Crane	USA	4	68	National	Florian Rothbrust, Sr. Vice President
57	56	Wanzek Construction Inc.	USA	2	800	National	Kevin McCrory, Crane Operations Manager
58	63	Budrovich Contracting	USA	3	100	Regional	Eric Struckhoff, Vice President
59	61	Viant Crane	USA	2	30	Regional	David M. Lemke, President/COO
60	60	Hill Crane Service	USA	2	75	Regional	Ronald Hill, Vice President
61	70	J J Curran Crane	USA	1	40	Regional	Larry Curran, President
62	71	JPW Companies	USA	1	150	National	Dave Schwalm, Executive Vice President
63	65	Alamo Crane Services	USA	2	70	National	Marvin Ohlenbusch, COO
64	66	Kirby-Smith Machinery	USA	10	400	National	Ben Graham, Vice President
65	69	Connelly Crane Rental Corp.	USA	3	63	National	Michael Connelly, President
66	68	Axis Crane	USA	3	110	Regional	Travis L. Wilt, President
67	75	Crane Service Company	USA	7	145	Regional	Brian Mazzella, Vice President
68	73	Rocky Mountain Crane Service Inc.	USA	2	12	Regional	Ken Sustrich, President
69	76	G.A. West & Co.	USA	4	1,100	National	Gary A. West, President
70	78	AME Inc.	USA	4	250	National	Mike Davis, Vice President, Crane Division
71	74	Alliance Riggers & Constructors	USA	1	50	Regional	Phillip Cordova, General Manager
71	NEW	Bengal Crane & Rigging	USA	2	150	Regional	Shane Tubre, Owner
71	84	LaGrange Crane Service	USA	1	36	Regional	Judith Mooncotch, President
72	NEW	Landwehr Construction	USA	2	200	Regional	Pat Herron, Crane Manager
73	NEW	McRay Crane & Rigging	USA	1	56	Regional	Calvin Jones, Executive Director
74	81	A Quick Pick Crane Service	USA	1	40	Regional	George Schrade, President
75	83	I.B. Dickinson & Sons	USA	3	45	Regional	Donald Dickinson, President
76	80	JK Crane	USA	1	20	Regional	Jennifer Gabel, Owner
77	86	Southern Crane	USA	2	41	Regional	Earl Johnson III, President
78	87	Atlas Crane Service Inc.	USA	2	27	Regional	Zach Prentis, President
79	85	Anglemyer Crane	USA	1	35	Regional	John Anglemyer, Secretary/Treasurer
80	NEW	Tim's Crane & Rigging	USA	1	26	Regional	Tim Marshlick, President/CEO
81	NEW	Custom Service Crane	USA	5	45	Regional	Randy Huffman, Owner
82	82	Taylor Crane & Rigging	USA	2	82	National	Jim C. Taylor, Jr., President
83	NEW	Crane Rental Company Inc.	USA	1	55	Regional	Michael Scott, President
84	NEW	Rozell Industries	USA	6	200	Regional	Gordon Nygaard, Manager
85	88	Benchley Contracting & Rental Corp.	USA	2	10	Regional	Brian Benchley, Vice President
86	NEW	D.C. Crane Service	USA	1	16	Regional	Daniel Connor, President
87	91	Jcrane Inc.	USA	1	25	Regional	Jack Stull, President
88	90	Mansfield Crane Service Corp.	USA	3	20	Regional	Trapper Wyman, Owner

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scottpowerline.com	121	78	Tadano Mantis GTC-1200	130	7,192
ericksonsgr.com	23	9	Liebherr LTM 1750	827	7,148
crane-works.com	294	0	Demag AC22-5	245	7,040
thackraycrane.com	133	7	Liebherr LTM 1400-7.1	500	6,806
clarkrigging.com	63	3	Terex AC500-2	600	6,088
idealcranerental.com	68	6	Grove GMK 6350	350	6,038
giuffre.com	212	0	Liebherr LTM 1090/2	110	5,800
bluehatcrane.com	39	14	Manitowoc 2250 S3	330	5,600
wanzek.com	18	14	Demag CC3800	715	5,598
budrovich.com	54	5	Grove GMK 7550	550	5,409
viantcrane.com	34	10	Manitowoc MLC300 S3	386	5,354
hillcrane.com	39	0	Liebherr LTM 1400-7.1	500	5,120
jjcurran.com	54	0	Manitowoc Grove GMK 6400	450	4,875
jpwccompanies.com	20	5	Terex AC500-2	600	4,610
alamocrane.com	38	1	Liebherr LTM 1400-7.1	500	4,588
kirby-smith.com	92	4	Grove RT 9130E	130	4,556
connellycrane.com	49	9	Liebherr LTM 1300-1	360	4,533
axiscrane.com	18	5	Grove GMK 7550	550	4,493
craneserviceco.com	29	3	Grove GMK 7550	550	3,831
rockymountaincrane.com	13	0	Liebherr LTM 1800	1,000	3,570
gawest.com	20	10	Manitowoc 16000 w/Maxer	440	3,303
ameonline.com	28	0	Grove GMK 7550	550	3,115
allianceriggers.com	30	8	Liebherr LR1300	330	3,000
bengalindustries.com	12	0	Terex AC-500	625	3,000
lagrangecrane.com	23	0	Grove GMK 7550	550	3,000
landwehrconstruction.com	18	3	Terex ACT 350/6	400	2,975
mcraycrane.com	22	0	Terex AC250	300	2,558
aquickpickcrane.com	27	2	Liebherr 1350 6.1	400	2,423
ibdickinson.com	19	0	Liebherr LTM 1400-7.1	500	2,356
jkcrane.com	15	2	Manitowoc GMK 7550	550	2,345
southern-crane.com	19	0	Liebherr LTM 1200-5.1	240	2,290
atlascraneserviceinc.com	22	0	Liebherr LTM 1300-6.2	360	2,205
anglemyercrane.com	27	1	Grove GMK 6350	350	2,170
tims Crane.com	21	3	Terex AC250-1	300	2,093
customservicecrane.com	27	0	GMK275	275	2,062
taylorcrane.com	22	2	Liebherr LTM 1220-5.2	265	2,024
cranerental.net	23	0	Liebherr LTM 1350-6.1	400	2,004
rozellind.com	11	0	Tadano ATF 400G-6	450	1,471
benchleycrane.com	13	0	Liebherr LTM 1350-6.1	400	1,385
dccrane.com	11	5	Link-Belt LS0218HSL	110	1,220
jcrane.com	10	0	Grove GMK 5275	275	1,159
mansfieldcrane.com	7	0	Grove GMK 5275	275	1,100

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Partial List of Equipment / Capacities:



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89	97	PSC Crane & Rigging Inc.	USA	4	150	Regional	Randy Sever, Executive Vice President
90	94	Industrial Truck & Crane Inc.	USA	1	20	Regional	Soni Graff, President
91	NEW	Iron Stag Crane Service	USA	1	19	Regional	Ned Eisenhart, President
92	NEW	Davco Ltd.	USA/Canada	2	250	Regional	David Faas, President
93	92	Waggoner Equipment Rental	USA	1	25	Regional	Alana Yount, Operations Manager
94	95	Zartman Industrial Services	USA	1	120	Regional	Timothy Clark, VP Operations
95	96	Runnion Equipment Company	USA	2	38	Worldwide	Patrick Runnion, CEO/Mike Prohot, President
96	NEW	Carl Belt Inc.	USA	2	150	Regional	David Madden, Executive Vice President
97	98	Patriot Crane & Rigging	USA	1	35	National	Cody Olsen, Scott Shamburg, Owners
98	99	Dura Crane	USA	1	12	Regional	Greg Duralia, President
99	NEW	Advanced Rigging & Machinery Movers	USA	1	30	Regional	Matthew Hinty, President
100	NEW	Custom Crane Solutions	USA	1	4	Regional	Darrin M. Caldwell, Vice President

EDITOR'S NOTE: Every attempt was made to assure the information in the **ACT 100** is correct and accurate. The editors of **ACT** and employees of **KHL Group Americas** do not assume responsibility for errors, omissions or erroneous information.

estimate is based on deals that did close in 2016-2017, including the acquisition of AmQuip and Essex Crane Rental. With those acquisitions Maxim's **ACT** index grew by an estimated 242,611 tons, from 438,089 tons in 2016. Maxim's total fleet size of mobile and crawler cranes is and estimated 3,015 units.

Number 2 on the list is the All Erection Family of Companies posting an index of 175,121, slightly down from their 2017 index of 178,121. Lampson International remained at Number 3 while Bigge jumped to Number 4 and Mammoet North America moved to Number 5.

The 2017 **ACT 100** welcomes 14 new companies to the list, with Dielco Crane Service entering at Number 38, Bengal Crane & Rigging at Number 71, Landwehr Construction at Number 72, McRay Crane & Rigging at Number 73, Tim's Crane & Rigging at Number 80, Custom Service Crane at Number 81, Crane Rental Company at Number 83, Rozell Industries at Number 84, D.C. Crane Service at Number 86, Iron Stag Crane Service at 91, Davco Companies at Number 92, Carl Belt at Number 96, Advanced Rigging and Machinery Movers at 99 and Custom Crane Solutions rounding out the newcomers at number 100 on the **ACT 100**. There are actually 102 companies on the list this year because of a three-way tie at Number 71 between Alliance Rigging & Constructions, Bengal Crane & Rigging and Lagrange Crane Service.

Mergers and acquisitions continue to impact the **ACT 100** with long-time companies missing this year as they were folded into some of the larger firms.

Top gainers on the **ACT 100** are Buckner Heavy Lift, which moved from 15 to 8; Entrec Corporation, which moved from 24 to 11; Beyel Brothers from 30 to 21; Kelley Equipment of Florida from 37 to 31; Northwest Crane Service from 43 to 34; Southwest Industrial Rigging from 47 to 36; Transportes y Gruas Auriga from 46 to 40; Big B Crane from 62 to 42; CraneWorks Inc. from 50 to 45; Edwards from 54 to 47; Crane Works Inc. from 77 to 51; Clark Rigging from 57 to 51; Ideal Crane Rental from 57 to 53; Giuffre Bros. from 64 to 55; JJ Curran from 70 to 61; Connelly from 69 to 64; Crane Service from 75 to 67; LaGrange Crane from 84 to 71; A Quick Pick from 81 to 74; I.B.



Dickinson from 83 to 75; JK Crane from 80 to 76; Southern Crane from 86 to 77; Atlas Crane from 87 to 78; Anglemeyer

Top 10 Largest crawler fleets

	RANK 2017	COMPANY NAME	WEBSITE	CRAWLER FLEET
1	1	Maxim Crane Works	maximcrane.com	475
2	3	Lampson International	lampsoncrane.com	387
3	2	ALL Family of Companies	allcrane.com	363
4	4	Bigge Crane and Rigging Company	bigge.com	189
5	5	Mammoet North America	mammoet.com	136
6	8	Buckner Heavy Lift Cranes	bucknercompanies.com	131
7	13	J.F. Lomma Inc.	jflommainc.com	92
8	49	Scott Powerline and Utility Equipment	scottpowerline.com	78
9	10	W.O. Grubb Inc.	wogrubb.com	73
10	30	Dozier Crane & Machinery	doziercrane.com	59



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pscind.com	12	0	Liebherr LTM1250	300	1,050
itccrane.com	15	0	Grove 6300L	350	1,045
ironstagcrane.com	8	0	Grove GMK 6300L	350	995
davcoltd.com	13	1	Link-Belt ATC3250	250	961
waggonerequipment.com	25	0	Grove RT9130E	130	876
zartman.com	12	0	GMK 5225	225	862
runnionequipment.com	28	0	National NBT45	45	729
thebeltgroup.com	10	0	Demag AC120	165	672
patriotserviceinc.com	6	0	Link-Belt 3275	275	620
duracrane.com	7	0	Grove GMK 5275	275	610
advanced-rigging.com	9	0	Grove 1012D	18	132
crcranesolutions.com	2	0	National 1400	33	59

from 85 to 79; and PSC Crane & Rigging from 97 to 89. No companies made substantial drops on the **ACT100**.

The largest crawler crane fleet in North America now belongs to Maxim Crane Works with 475 of these units. Lampson International has had the largest crawler fleet for 11 years, but Maxim's aggressive acquisition strategy allowed them to jump to Number 1. Maxim also has the largest mobile fleet with 475 units followed by ALL Erection with 1,985 mobile crane units.

The largest crane on the **ACT100** is Mammoet's 5,000-ton capacity PTC 200 DS. Other heavy lift cranes on the **ACT100** are the 3,000-ton capacity Lampson LTL-3000 and the 2,500 ton TC-36000 Versa Crane owned by Deep South Crane & Rigging. And as said previously, Buckner HeavyLift's new

2,000-ton capacity Liebherr LR 11350-P makes its debut on the top 10 list. Buckner added two new 2,000-ton capacity Liebherr LR 11350-P models to its fleet this year. In the top 10 largest capacity cranes, Liebherr had the most on the list with six.

In terms of the most popular cranes in the category of largest crane in fleet the Manitowoc brand ranks highest. There are 38 Manitowoc, Grove or National branded cranes on the list and 35 Liebherr branded cranes listed as the largest crane in fleet. There were 17 Terex/Demag models, three Tadanos, three Link-Belts and two Kobelcos. The most popular crane is the Manitowoc Grove 7550 with 12 companies reporting this is the largest crane in their fleet. In some cases differing capacities were listed for the same machines. We rely on the



information supplied to us in determining these capacities as rigging variables can change these totals.

Methodology

ACT 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 12 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 two companies. For these entries, we didn't necessarily get updated information and instead relied on an estimate formula based on data obtained last year and

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Top 10 Largest mobile fleets

	RANK 2017	COMPANY NAME	WEBSITE	MOBILE FLEET
1	1	Maxim Crane Works	maximcrane.com	2,540
2	2	ALL Family of Companies	allcrane.com	1,985
3	4	Bigge Crane and Rigging Company	bigge.com	627
4	6	TNT Crane & Rigging	tntcrane.com	570
5	5	Mammoet North America	mammoet.com	528
6	19	Scott-Macon Equipment	smequipment.com	465
7	15	Guay Inc.	gruesguay.com	426
8	7	Barnhart Crane & Rigging	barnhartcrane.com	409
9	25	H&E Equipment Services	he-equipment.com	387
10	9	NCSG Crane and Heavy Haul Services Corp.	ncsg.com	336

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through other sources. All of these companies on the list were contacted, some several times, and given the opportunity to supply fleet information and related data. In some cases, in the largest crane category, differing capacities were listed for the same machines. We rely on the information supplied to determine these capacities as rigging variables can change the capacity of the crane.

Because the vast majority of crane-owning companies are privately held,

ACT Top Lists

American Cranes & Transport presents four top lists each year. In our June issue is the largest, 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 **ACTSPECIALIZEDLIFTING50**. If you would like to participate in any or all these lists please email D. Ann Shiffler, editor, at d.annshiffler@khl.com.

it can be difficult to obtain and verify figures, although we do approach independent industry sources for

assistance and use related web resources and research when we use an estimate.

Disclaimer

American Cranes & Transport relies on the integrity of the companies that participate in this list, wholly assuming that the information they provide is accurate and truthful to the best of their knowledge. We work to insure the accuracy of the information provided but take no responsibility for errors or omissions. We will continue to work 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. ■

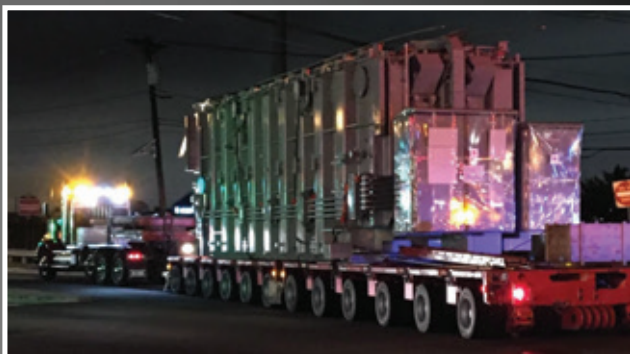
Top 10 Largest cranes

RANK 2017	COMPANY NAME	LARGEST CRANE	CAPACITY
1	5 Mammoet North America	Mammoet PTC 200	5,000
2	3 Lampson International	Lampson Transi-Lift LTL-3000	3,000
3	1 Maxim Crane Works	Manitowoc 31000	2,535
4	12 Deep South Crane & Rigging	TC-36000 VersaCrane	2,500
5	8 Buckner HeavyLift Cranes	Liebherr LR 11350-P	2,000
6	7 Barnhart Crane & Rigging	Terex-Demag CC4000 RL	1,760
7	15 Guay Inc.	Liebherr LTM 11200-9.1	1,500
7	44 Fagioli Inc. (USA)	Liebherr LR 11350	1,500
8	9 NCSG Crane and Heavy Haul Services	Liebherr LTM 11200-9.1	1,440
9	6 TNT Crane & Rigging	Liebherr LTM 11200-9.1	1,300
10	34 Northwest Crane Service	Liebherr LR 11000	1,200

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Status quo

ACT's 2017 TRANSPORT50 ranking of North America's largest specialized transportation companies.

Landstar Transportation Logistics remains at the top of the **ACTTRANSPORT50** and by a mile. However, the Jacksonville, FL-based company actually posted a decrease in fleet capacity at 97,080 tons versus 108,990 tons in 2016. In terms of fleet size, Landstar showed a slight increase in fleet size to 12,662 units compared to 12,651 units in 2016. Still Landstar's fleet size and capacity is close to twice that of No. 2 Daseke.

Daseke Inc. debuted on the **ACTTRANSPORT50** in 2014 at No. 2 where it has stayed. The company has seen modest growth until this year when growth in both fleet size and capacity jumped. In 2014 Daseke posted a fleet of 4,734 units and a capacity of 36,546 tons. In 2015, Daseke showed a fleet of 5,259 and a capacity of 42,290, and in 2016 it showed 5,318 units and 43,240 tons. This year, Daseke posted a fleet size of 6,323 and a capacity of 47,712, adding more than a 1,000 units to its fleet and more than 4,000 tons of capacity.



PHOTO COURTESY OF OMEGA MORGAN

Welcome newcomers

We had several newcomers to the **ACTTRANSPORT50**, with the largest newcomer being Berry Contracting/Bay Ltd., which landed at No. 18. Other newcomers include J.F. Lomma Inc., J. Supor & Sons, TJ Potter Trucking, Marco Transport, Specialized Inc., Global Specialized Services and Irving Equipment.

In terms of scope of business, most companies do business across the country or around the world. The 2017 **ACTTRANSPORT50** includes 31 companies that do business on an international basis, 17 that do business throughout the United States and five that are regional players. You will note this

adds up to more than 50 because we had several companies that tied in terms of fleet size.

Analyzing the list

Most companies in the top 20 added equipment and capacity over the past year. Employee counts have been relatively flat over the past few years and in 2017 we actually saw a decline from 24,025 in 2016 to 22,236. This is the first year that we've shown a decline in employee counts since before 2014.

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PHOTO COURTESY OF OMEGA MORGAN

TOTAL FLEET SIZE:	49,999
TOTAL CAPACITY:	1,176,836 (U.S. tons)
TOTAL NUMBER OF TRUCK/TRACTORS:	20,387
TOTAL NUMBER OF EMPLOYEES:	22,326
TOTAL NUMBER OF TERMINALS:	594
TOTAL NUMBER OF MODULAR/HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET:	14,431
TOTAL CAPACITY OF MODULAR/HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET:	428,161 (U.S. tons)
TOTAL NUMBER OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI-AXLE UNITS) IN FLEET:	19,632
TOTAL CAPACITY OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI-AXLE UNITS) IN FLEET:	748,971

BY THE NUMBERS

RANK	COMPANY NAME	HEADQUARTERS	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT	WEBSITE
1	Landstar Transportation Logistics	Jacksonville, FL	2	International	1,150	Rusty Cody, vice president, heavy specialized	www.landstar.com
2	Daseke Inc.	Addison, TX	65	International	3,500	Don Daseke, president/CEO	daseke.com
3	ATS Specialized	St. Cloud, MN	15	International	1,332	Gary Stang, senior vice president, general manager	www.atsinc.com
4	Mammoet North America	Rosharon, TX		International	1,400	Paul van Gelder, CEO	www.mammoet.com
5	All Erection & Crane Rental	Cleveland, OH	37	International	1500	Michael L. Liptak, president	www.allcrane.com
6	Bennett Motor Express	McDonough, GA	115	International	320	David Lowry, CEO/Jay Folladori, president	www.bennettig.com
7	Maxim Crane Works	Bridgeville, PA	54	National	2,705	Frank Bardonaro, COO	maximcrane.com
8	Combined Transport Inc.	Central Point, OR	1	International	592	Michael S. Card, president	www.combinedtransport.com
9	Bigge Crane & Rigging	San Leandro, CA	16	National	950	Weston Settlemier, president/CEO	www.bigge.com
10	Barnhart Crane & Rigging	Memphis, TN	46	National	1,300	Alan Barnhart, CEO	www.barnhartcrane.com
11	Deep South Crane & Rigging*	Baton Rouge, LA	6	International	600	Mitch Landry, vice president	www.deepsouthcrane.com
12	Entrec Corporation	Acheson, Alberta Canada	14	International	625	John M. Stevens, president/CEO	www.entrec.com
13	Transport Bellemare International	Tross-Rivieres, Quebec City, Canada	7	International	675	Jean-Luc Bellemare, president	www.transportbellemare.com
14	Daily Express	Carlisle, PA	8	International	142	Mark Eyer, vice president, operations	www.dailyexp.com
15	Emmert International	Clackamas, OR	4	International	125	Terry W. Emmert, president	www.emmertintl.com
16	Sterett Heavy Hauling	Evansville, IN	9	International	70	Jonathan Spong, president	sterettheavyhauling.com
17	NCSG Crane & Heavy Haul	Acheson, Alberta, Canada	28	International	940	Ted Redmond, president/CEO	www.ncsg.com
18	Sarens North America	Houston, TX		International	325	Mike Hussey, regional director, North America	www.sarens.com
19	Berry Contracting/Bay Ltd.	Corpus Christi, TX	8	International	2500	Larry Lewis, heavy haul/rigging manager	www.bayltd.com
20	Fagioli USA	Manvel, TX	2	International	60	Edoardo Ascione, president	www.fagioli.com
21	Tradelossa	Durango, DGO, Mexico	6	International	252	Carlos Carcamo, commercial manager	www.tradelossa.com
22	Edwards Moving & Rigging	Shelbyville, KY	6	International	145	Mark Edwards, CEO	www.edwardsmoving.com
23	Heavy Transport Inc.	Long Beach, CA	9	National	200	Robert Weyers, general manager	www.braggcrane.com
24	Miller Transfer	Rootstown, OH	18	International	80	Mitchell J. Unger, president	www.millertransfer.com
25	W.O. Grubb Crane Rental	Richmond, VA	14	National	400	William O. Grubb, president/owner	www.wogrubb.com
26	Lampson International	Kennewick, WA	8	International	300	William Lampson, president/CEO	www.lampsoncrane.com
27	Northwest Logistics Heavy Haul	Oklahoma City, OK	6	International	195	Andy Hodges, president	www.northwestheavyhaul.com
28	Totran Transportation Services	Calgary, Alberta Canada	2	International	120	Scott Trousdale, vice president	www.totran.ca
29	J Supor & Son Trucking & Rigging	Kearny, NJ	5	National	175	Doug Filos, director, heavy haul	www.jsupor.com
30	Berard Transportation	New Iberia, LA	5	National	72	Brett Berard, vice president, operations	www.berardtrans.com
31	Burkhalter	Columbus, MS	4	International	150	Delynn Burkhalter, CFO	www.burkhalter.net
32	Erickson's	North Muskegon, MI	3	Regional	70	Steve Erickson, president	www.ericksonsg.com
33=	MSA Delivery Services	Canton, MI	6	International	75	Jerry Rozum, president	www.msadelivery.com
33=	Southwest Industrial Rigging*	Phoenix, AZ	4	International	180	Mike Madge, vice president	www.swirusa.com
34	J. F. Lomma Inc.	South Kearny, NJ		National	163	James Lomma, president	www.jflommainc.com
35	Trans-United Inc.	Burns Harbor, IN	18	International	59	Jeffrey S. Fleming, president/CEO	www.transunited.com

MODULAR/HYDRAULIC/TRAILERS/DOLLIES CAPACITY (US TONS) # IN FLEET		SPECIALIZED TRAILERS (ALL MULTI-AXLE) CAPACITY (US TONS) # IN FLEET		# OF TRUCK/ TRACTORS	TOTAL CAPACITY (US TONS)	TOTAL # IN FLEET
2,885	43	94,195	2,951	9,668	97,080	12,662
0	0	47,712	2,511	3,812	47,712	6,323
608	16	67,100	2,092	916	67,708	3,024
81,644	2,474	10,276	320	82	95,219	2,876
1,905	40	66,561	1,905	381	68,466	2,326
4,280	37	46,040	1,080	980	50,320	2,097
5,432	229	37,373	1,257	379	42,805	1,865
1,830	504	4,685	162	575	6,515	1,241
26,656	516	21,363	381	73	48,019	1,103
18,929	491	31,890	577	301	50,819	1,001
14,627	377	16,338	446	77	30,965	900
15,840	413	10,220	182	280	26,060	875
6,148	263	17,966	344	225	24,114	832
1,065	14	21,105	504	264	22,170	782
24,775	557	9,850	113	89	34,625	759
14,245	318	10,178	276	73	24,423	667
12,844	359	19,852	521	157	21,272	662
20,527	517	2,080	65	22	22,607	604
12,548	294	2,750	145	160	15,298	599
22,856	594	0	0	0	22,856	594
11,530	258	8,665	181	151	20,195	589
17,781	322	9,664	179	60	27,445	561
15,400	175	7,700	246	110	23,100	531
125	1	15,015	362	132	15,140	495
4,140	92	7,173	279	99	11,313	470
14,006	372	1,957	63	30	15,963	465
2,497	26	4,993	238	175	11,099	421
12,346	590	9,660	222	85	22,006	367
9,183	193	3,770	105	50	12,953	348
11,432	238	2,110	48	37	13,542	323
7,500	176	6,353	96	45	13,853	317
5,639	113	2,865	127	40	8,504	280
0	0	23,655	170	59	23,655	229
3,133	72	6,200	130	82	9,333	229
0	0	44,350	170	47	44,350	217
1,980	32	4,155	98	75	6,135	205

EDITORS NOTE: Every attempt has been made to assure information in the ACT TRANSPORT50 is correct and accurate. The editors of ACT do not assume responsibility for errors, omissions or erroneous information.

RANK	COMPANY NAME	HEADQUARTERS	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT	WEBSITE
36	Midwest Specialized Transportation	Rochester, MN	2	National	85	Sean Claton, vice president/ general manager	www.midspec.com
37=	McTyre Trucking	Orlando, FL	2	National	51	John H. McTyre, COO	www.mctyretrucking.com
37=	Transtel/Transportes Telleria*	Santa Julia, Mexico	1	International	90	Guillermo Arce Arteaga, vice president	www.transtel.com.mx
38	TJ Potter Trucking	Becker, MN	1	Regional	65	Barb Potter, owner	www.tjpottertrucking.com
39=	American Heavy Moving*	Chino, CA	2	National	24	Kirk Martin, vice president, sales	www.americanheavymoving.com
39=	Omega Morgan	Hillsboro, OR	6	International	350	Troy Tallent, vice president, operations	www.omegamorgan.com
40	WL Byers Trucking Inc.*	Wampum, PA 16157	1	National	45	David and George Byers, owners	www.byersheavyhaul.com
41	Yarbrough Transfer Company	Winston-Salem, NC	3	Regional	65	David Yarbrough, president	www.yarbroughtransfer.com
42	Silk Road Transport*	Arkport, NY	1	International	45	Todd S. Haraty, COO	www.silkroadtrans.com
43	Precision Heavy Haul	Tolleson, AZ	2	National	23	Mike Poppe, president	www.precisionheavyhaul.com
44	Taylor Crane & Rigging	Coffeyville, KS	2	National	84	Jim C. Taylor Jr., president	www.taylorcrane.com
45=	Marco Transport	Santa Ana, CA	1	Regional	38	Tim McVay, president	www.marcostrucking.com
45=	Selinsky Force*	North Canton, OH	4	National	225	Scott Selinsky, vice president	www.selinskyforce.com
46	Great Lakes Heavy Haul*	Byron Center, MI		National		Ben Mayer	www.greatlakesHH.com
47	Specialized Inc.	Aurora, OH	1	Regional	22	Al Kuhl, president	www.specialized-inc.com
48	Global Specialized Services	Casper, WY	1	National		Matt Orr, transportation manager	www.gsswy.com
49	Perkins STC	Northfield, MN	2	International	44	Neil Perkins, president	www.perkinsstc.com
50	Irving Equipment Ltd.	Saint John, NB, Canada	10	National	100	David Irving, general manager	www.irvingequipment.com
51	Mountain Heavy Transport	Salt Lake City, UT	1	National	15	Ryan Oliverson, manager	www.mountainheavy.com

* ACT estimate



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MODULAR/HYDRAULIC/TRAILERS/DOLLIES CAPACITY (US TONS) # IN FLEET		SPECIALIZED TRAILERS (ALL MULTI-AXLE) CAPACITY (US TONS) # IN FLEET		# OF TRUCK/ TRACTORS	TOTAL CAPACITY (US TONS)	TOTAL # IN FLEET
0	0	4,570	124	80	4,570	204
1,800	31	7,025	125	43	8,825	199
6,000	130	850	25	44	6,850	199
0	0	4,915	127	50	4,915	177
4,328	116	2,136	26	22	6,464	164
2,200	50	3,155	65	49	5,355	164
40	3,150	5,210	86	33	8,360	154
0	0	3,979	91	54	3,979	145
1,150	30	2,040	80	25	3,190	135
505	14	5,299	94	15	5,804	123
1,384	13	1,505	43	30	2,889	86
0	0	3,040	46	26	3,040	72
800	22	1,215	28	22	2,015	72
135	3	1,430	34	25	1,565	62
0	0	2,040	35	12	2,040	47
250	2	1,225	26	20	1,475	46
0	0	2,952	19	22	2,952	41
2,358	10	674	17	13	3,032	40
1,000	20	877	15	11	1,877	30

** Revised 12/1/2017

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crane service provider in the industry. We engineer and provide lift solutions that cover everything from an 8 ton carry-deck to our 2,535 ton capacity 31000 Manitowoc Crane. We have the expertise and equipment to exceed your expectations.

One thing that remains constant is the larger companies are growing at a faster pace than the smaller companies. But that doesn't mean that the smaller companies are any less capable.

Methodology

While most of the major players in the North American transportation sector are on our **ACTTRANSPORT50** list, we see changes from year to year 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 (in U.S. tons). The ranking is based on information supplied by the companies on our **ACTTRANSPORT50** survey form.

While we have worked to produce the most accurate 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 our list is accurate and correct. This year we reached out to about 400 firms by regular mail, email and through the internet.

In some cases, companies on our list last year did not re-submit information this year. In other cases, when data wasn't available or updated, we marked these listings as estimates. We deleted firms off the list when we couldn't get new data.

As with all our Top List databases, we made every effort to ensure the accuracy and completeness of the information published but the editors and staff take no responsibility for errors, omissions or incomplete information.

Top 10 capacity (US tons)

RANK	COMPANY NAME	TOTAL CAPACITY
1	Landstar Transportation Logistics	97,080
2	Mammoet North America	95,219
3	All Erection & Crane Rental	68,466
4	ATS Specialized	67,708
5	Barnhart Crane & Rigging	50,819
6	Bennett Motor Express	50,320
7	Bigge Crane & Rigging	48,019
8	Daseke Inc.	47,712
9	J. F. Lomma Inc.	44,350
10	Maxim Crane Works	42,805

Top 10 employers

RANK	COMPANY NAME	# OF EMPLOYEES
1	Daseke Inc.	3,500
2	Maxim Crane Works	2,705
3	All Erection & Crane Rental	1,500
4	Mammoet North America	1,400
5	ATS Specialized	1,332
6	Barnhart Crane & Rigging	1,300
7	Landstar Transportation Logistics	1,150
8	Bigge Crane & Rigging	950
9	NCSC Crane & Heavy Haul	940
10	Transport Bellemare International*	675



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SPECIALIZED LIFTING50

Eyes on the rise

BY THE NUMBERS

- The companies represented in the **SPECIALIZEDLIFTING50** employ approximately **13,508** people.
- **532** gantries and rubber tired gantries are owned by these companies, the same amount in 2016.
- **895** strand jack units are owned by the **SPECIALIZEDLIFTING50**, as compared to 876 in 2016.
- **5,014** pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these companies as compared to 4,977 in 2016.
- The total capacity of every unit owned by every company on the list equals **1,387,649** tons. The total last year was 1,251,422 tons.



PHOTO COURTESY OF RIGGERS INC.

ACT's 2017 **SPECIALIZEDLIFTING50** shows impressive growth. **Hannah Sundermeyer** reports.

Aggregating the most influential players in the specialized lifting industry is a task that our ACT team has taken on since 2011. The 2017 **SPECIALIZEDLIFTING50** list actually grew in 2017, adding four new companies, including Doral Equipment that placed in the top ten, and seeing several of the larger companies on the list growing their fleets. This year we

posted an index of 1,387,649 tons, gaining 135,227 tons over the 2016 index of 1,251,422 tons.

>60

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	Wolfe House Movers	Jack Unified Jacking System	7,200	12,000
4	Omega Morgan	Heavy Skid System	6,000	8,150
5	Barnhart Crane & Rigging	Barnhart Modular Lift Tower	5,000	275,168
6	Berard Transportation	Enerpac Syncrolift	4,000	11,080
7	Burkhalter	Enerpac EP5000 Jacking System	3,527	21,500
8	Emmert International	Emmert Lift System	3,250	80,850
9	Bigge Crane & Rigging	Bigge Lift Tower System	3,200	69,940
10	Lampson International	E-Z Lift	2,400	13,500

PHOTO COURTESY OF DORAL EQUIPMENT



RANK		NAME OF COMPANY	LOCATION	# OF DEPOTS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	↻1	Mammoet North America	USA	23	Worldwide	1,500	Jacques Stoof, managing director
2	↻3	Fagioli USA	USA	1	Worldwide	164	Edoardo Ascione, president
3	↻2	Barnhart Crane & Rigging	USA	46	National	1,200	Alan Barnhart, CEO
4	↻4	Emmert International	USA	3	Worldwide	110	Terry W. Emmert, president
5	↻5	Bigge Crane & Rigging	USA	21	Worldwide	705	Weston Settlemier, president
6	↻6	Edwards Moving & Rigging	USA	9	Worldwide	110	Mark Edwards, CEO
7	NEW	Doral Equipment	USA	3	National	50	Rob Keelan, vice president
8	↻7	Burkhalter*	USA	5	Worldwide	200	Brooke Burkhalter, president
9	↻9	Lampson International	USA	8	Worldwide	300	William Lampson, president/CEO
10	↻10	Erickson's	USA	3	Regional	70	Steve Erickson, president
11	↻11	Wolfe House Movers*	USA	4	Worldwide	40	Jamin Buckingham, management member
12	NEW	Transport Bellemare	Canada	4	Worldwide	1,100	Daniel Provost, transport operations manager
13	↻12	Deep South Crane & Rigging*	USA	6	Worldwide	500	Mitch Landry, vice president
14	↻13	Rigging Gear Sales, Inc.	USA	1	Worldwide	15	Ben Forster, vice president
15	↻14	Berard Transportation	USA	4	National	70	Brett Berard, vice president
16	↻15	International Industrial Contracting Corporation*	USA	4	National	300	Randall L. Goddard, vice president
17	↻16	Omega Morgan	USA	6	National	350	Troy Tallent, vice president
18	↻17	Taylor Crane & Rigging	USA	2	National	85	Jim C. Taylor, Jr., president
19	↻21	IRM Industry Movers	Mexico	2	Worldwide	65	David Gonzalez, president/CEO
20	↻18	Norris Brothers Co.*	USA	1	Regional	65	Bernard E. Weir Jr., chairman
21	↻24	TNT Crane & Rigging	USA	38	National	1,500	Mike Appling, CEO
22	↻25	PSC Crane & Rigging	USA	4	National	175	Randy Sever, executive vice president
23	↻26	Transtell SA de CV	Mexico	1	Worldwide	120	Guillermo Arce, general manager
24	↻19	Advanced Rigging & Machinery Movers	USA	1	National	30	Matthew Hinty, president
25	↻20	Duffy Crane & Hauling*	USA	1	Regional	50	Jeffrey L. Cummings, president
26	NEW	Cropac Equipment	Canada	3	National	75	Bill Finkle, owner
27	↻22	Atlas Industrial Contractors*	USA	7	Worldwide	350	Randy Goddard, executive vice president
28	↻30	NCSG Crane & Heavy Haul	Canada	27	International	850	Ted Redmond, president/CEO
29	↻32	Maxim Crane Works	USA	38	National	1,900	Alan Ashlock, president southeast region
30	↻27	AME Inc.*	USA	5	Worldwide	165	Scott Walker, general manager
31	↻28	Mid-Atlantic Lift Systems*	USA	1	National	4	Travis Hall, president
32	↻35	Riggers Group	Mexico	3	Worldwide	75	Carlos A. Tores, president
33	↻29	Selinsky Force	USA	4	Regional	250	Jim Chapman, president/CEO
34	↻31	Williams Steel Erection Company*	USA	1	Regional	150	Mike Parker, operations manager
35	↻33	Process Group Inc.*	Canada	3	Canada	275	Bryan Snyder, vice president, construction
36	↻36	CSE Inc.*	USA	5	National	250	Lisa Moon Stinnette, CEO
37	↻37	Intermountain Rigging & Heavy Haul	USA	2	National	83	Ron Montgomery, president, heavy haul
38	↻38	Holland Moving & Rigging	USA	1	Worldwide	18	Chris Holland, president
39	↻23	Southwest Industrial Rigging	USA	4	Natioanl	170	Mike Madge, vice president
40	NEW	Mountain Heavy Transport	USA	1	National	19	Ryan Oliverson, manager
				306	13,508		

* estimated

WEBSITE	# OF RUBBER TIED GANTRIES	# OF SPECIALIZED GANTRIES	# 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	2	20	305	157	Mammoet Lift System	350,000	372,800
www.fagioli.com	0	20	146	596	Fagioli Self-Propelled Skid System	70,000	288,000
www.barnhartcrane.com	0	78	754	18	Barnhart Modular Lift Tower	5,000	275,168
www.emmertintl.com	1	4	1,049	4	Emmert Lift System	3,250	80,850
www.bigge.com	0	18	198	42	Bigge Lift Tower System	3,200	69,940
www.edwardsmoving.com	0	16	560	4	Hydrospec Strand Jack System	800	60,407
www.doralequipmentrental.com	0	10	50	0	G-600	600	27,000
www.burkhalter.net	0	5	60	14	Enerpac EP5000 Jacking System	3,527	21,500
www.lampsoncrane.com	0	4	8	0	E-Z Lift	2,400	13,500
www.Ericksonsgcr.com	0	5	80	0	Riggers Lift Gantry	1,200	12,100
www.wolfehousebuildingmovers.com	0	0	87	0	Jack Unified Jacking System	7,200	12,000
www.groupebellemare.com	0	1	5	0	Goldhofer	2,872	12,000
www.deepsouthcrane.com	1	3	20	6	Hydrospec Strand Jack System	2,200	11,960
www.rgsinc.net	0	114	207	0	Lift Systems HH1000	1,000	11,462
www.berardtrans.com	0	0	7	4	Enerpac Syncrolift	4,000	11,080
www.iicusa.com	0	36	525	0	Riggers Manufacturing EZ604	600	9,660
www.omegamorgan.com	0	6	18	0	Heavy Skid System	6,000	8,150
www.taylorcrane.com	0	8	171	0	EZ Lifter 640	600	7,108
www.irmindustrial.com	0	2	95	0	J&R Engineering Lift-N-Lock Gantry	500	6,945
www.norrisbr.com	0	3	13	0		125	6,695
www.tntcrane.com	0	3	20	0	Enerpac SBL 1100	1,200	6,000
www.pscind.com	0	3	96	0	Hydra-Slide JS250 Up N Go	1,000	5,620
www.transtell.com.mx	0	2	3	2	Hydrospec HSL2000 Lifting	2,040	5,340
www.advanced-rigging.com	1	10	125	0	Hydratech FS 404 270	400	5,200
www.duffycrane.com	0	1	20	0			5,000
www.cropac.com	2	2	100	0			5,000
www.atlascos.com	0	3	89	4	Atlas Tower Lifting System	800	4,400
www.ncsg.com	0	8	0	0	Custom Gantry System	700	4,200
www.maximcrane.com	0	12	22	4	JJ&R Engineering Lift-N-Lock Gantry	700	3,552
www.ameonline.com	0	4	31	0	Lift Systems 34PT 5400WS	500	3,280
www.midatlanticlift.com	0	34	28	0	Lift Systems 34PT5400WT	500	3,192
www.riggers.mx	0	4	16	36	J&R Engineering Lift N Lock Gantry L1200	600	3,100
www.selinskyforce.com	0	4	38	0	J&R Engineering Lift-N-Lock Gantry	500	2,908
www.wmsi.com	17	2	6	0			2,200
www.processgroup.ca	0	3	20	0	Lifting Tower	1,000	2,130
www.cseonline.net	0	1	6	0	J&R Engineering Lift-N-Lock Gantry	900	2,000
www.irhusa.com	0	3	25	4	J&R Engineering Lift-N-Lock Gantry	550	2,000
www.hmrsupplies.com	50	0	0	0	Holland Power Dolly	55	1,990
www.swirusa.com	0	4	3	0	Lift Systems 850	850	1,262
www.mountaincrane.com	0	2	8	0	J&R Engineering Lift-N-Lock Gantry	200	950
	74	458	5014	895			1,387,649

Top 10: NUMBER OF GANTRIES

For comparison's sake, the total capacities between 2011 and 2017 were:

- 2011: 953,081** tons
- 2012: 1,047,457** tons
- 2013: 939,180** tons
- 2014: 1,024,998** tons
- 2015: 998,234** tons
- 2016: 1,251,422** tons
- 2017: 1,387,649** tons

It's clear that the growth of the specialized lifting industry has been flat over the last five to six years. Acquisitions have accounted for some of the jumps on the list and the larger

NAME OF COMPANY		TOTAL NUMBER OF GANTRIES	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	Rigging Gear Sales, Inc.	114	11,462
2	Barnhart Crane & Rigging	78	275,168
3	International Industrial Contracting Corporation	36	9,660
4	Mid-Atlantic Lift Systems*	34	3,192
5	Mammoet North America	20	372,800
6	Fagioli USA	20	288,000
7	Edwards Moving & Rigging	16	60,407
8	Bigge Crane & Rigging	15	69,940
9	Maxim Crane Works	12	3,552
10	Doral Equipment	10	27,000
11	Advanced Rigging & Machinery Movers	10	5,200

PHOTO COURTESY OF TRANSTELL



companies tend to keep getting larger.

While the specialized lifting indexes of our **SPECIALIZEDLIFTING50** may not be changing much, the total number of employees that work for them certainly is. This year's **SPECIALIZEDLIFTING50** employs some 13,508 people, up from 9,914 in 2016.

ACT began distributing survey forms for the **SPECIALIZEDLIFTING50** list via email in January 2017 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 2016 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, 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.

2018

To be a part of our 2018 **SPECIALIZEDLIFTING50**, email the editor, D. Ann Shiffler, to request a survey form. She can be reached at d.annshiffler@khl.com. Or you may email Assistant Editor Hannah Sundermeyer at Hannah.sundermeyer@khl.com.

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North America's
ACTTOWERCRANE50
continues to grow and
evolve with mergers
and acquisitions greatly
impacting the market.

Towering

BY NUMBERS

TOWER CRANES

1,783

BRANCHES

217

EMPLOYEES

8,368



Largest tower cranes (by capacity)

2017 RANK	COMPANY	LARGEST TOWER CRANE	CAPACITY (MT)
1	J.F. Lomma Inc.	Favco M1280D	96
2	JayDeeContractors*	Kroll K1800	60
3	Morrow Equipment	Liebherr 1800 C 60	60
4	Maxim Crane Works	Wolff 1250B	60
5	Bigge Crane & Rigging	Terex Comedil CTT721	40
6	Oxford Builders Supplies	Terex Comedil CTL 630	32
7	ALL Family of Companies	Potain MR 608	32
8	P&J Arcomet	Terex Peiner SK 575	32
9	RMS Cranes	Potain MR 608	32
10	Skycrane Limited	Sun STT-753	32
11	Stafford Tower Crane of America	Terex Peiner SK 575	32
12	United Crane & Rigging	Terex Peiner SK 575	32
13	Allegiance Crane & Equipment	Linden Comansa 21LC550/SK 415	25
14	Creative Lifting Services	Saez TLS-80	24
15	Connelly Crane Rental*	Terex Peiner SK 415-20	20
16	Compass Equipment	Potain MD 485B	20
17	Guay	Terex Peiner SK 415-20	20
18	Custom Service Crane	Wolff 8033.20	20
19	Blue Hat Crane & Equipment Rental	Linden Comansa 8852	18
20	Bigfoot Crane Company	San Marco SMT 551	8
21	A Quick Pick Crane & Rigging	Potain Igo T130	8

Tower crane utilization continues its upward climb in North America, and *American Cranes & Transport's* **ACTTOWERCRANE50** list, with 21 companies, grew by more than 130 units in 2017 and more than 272 since 2016.

Notable changes on the **ACTTOWERCRANE50** is the omission of AmQuip, Coast Crane & Essex Crane Rental, all of which were acquired by Maxim Crane Works. However our list remained the same at 21 companies. New to the list this year are Creative Lifting Service at Number 6 with 65 cranes in its fleet, Stafford Tower Crane of America at Number 14 with 24 cranes in its fleet and A Quick Pick Crane & Rigging at

>66

2017 ACTTOWERCRANE50

2017 RANK	2016 RANK	COMPANY	COUNTRY	NO. OF DEPOTS	NO. OF EMPLOYEES	SCOPE OF OPERATION
1	1	Morrow Equipment	USA	24	437	Worldwide
2	3	Maxim Crane Works	USA	55	3,300	Worldwide
3	2	Bigge Crane & Rigging	USA	17	932	National
4	6	ALL Family of Companies	USA	38	1,500	National
5	7	P&J Arcomet	USA	3	58	Worldwide
6	NEW	Creative Lifting Services	USA	1	25	Regional
7	8	Bigfoot Crane Company	Canada	2	16	National
8	11	Allegiance Crane & Equipment	USA	11	385	Worldwide
9	13	RMS Cranes	USA	4	212	Regional
10	10	Oxford Builders Supplies	Canada	3	37	National
11	9	J.F. Lomma Inc.	USA	8	163	Worldwide
12	12	Blue Hat Crane & Equipment Rental	USA	10	90	National
13	14	Skycrane Limited	Canada	2	12	Worldwide
14	NEW	Stafford Tower Crane of America	USA		70	National
15	15	Guay	Canada	20	500	National
16	17	Compass Equipment	USA	4	44	Regional
17	16	United Crane & Rigging	USA	2	55	Regional
18	18	Custom Service Crane	USA	5	45	Regional
19	19	Connelly Crane Rental*	USA	3	47	National
20	20	JayDeeContractors*	USA	4	400	National
21	NEW	A Quick Pick Crane & Rigging	USA	1	40	Regional

*ACT estimates

Number 21. A Quick Pick is trying out a Potain Igo T130 to check out the tower crane market.

Most companies on the list actually



grew their tower crane fleets with a few exceptions.

American Cranes & Transport sent out our annual **ACTTOWERCRANE50** survey in late June.

In 2016 we made the decision to change the Tower Crane 50 index from total capacity of crane fleet to fleet size. We made this change for a number of reasons, namely because of the differing methodologies each company used to calculate total capacity. Because we didn't think this was truly an apples to apples comparison, we decided fleet size was a better representation of the state of the tower crane market.

In 2017, the biggest changes were due to the Maxim acquisitions as mentioned

above. In 2016 Maxim reported 117 tower cranes and this year the company reports 317.

One interesting indicator was the total number of employees, which actually grew since 2016 from 7,060 to 8,368 this year, an increase of 1,308 workers. Last year we saw a drop of 785 employees and this year boasts a notable increase in workers.

Morrow Equipment remained the Number 1 company on our list with 658 tower cranes. Morrow's fleet size increased this year from 635 in 2016. Morrow Equipment has always owned the Number 1 spot on our **ACTTOWERCRANE50**.

Number 2 this year is Maxim with 317

SENIOR CONTACT	WEBSITE	LARGEST TOWER CRANE IN FLEET	LARGEST TOWER CRANE CAPACITY (MT)	NUMBER OF TOWER CRANES IN FLEET
Christian Chalupny, president	morrow.com	Liebherr 1800 C 60	60	658
Bryan Carlisle, CEO	maximcrane.com	Wolff 1250B	60	317
Weston Settlemier, president and CEO	bigge.com	Terex Comedil CTT721	40	183
Michael L. Liptak, president	allcrane.com	Potain MR 608	32	91
Stephene Jehle, president	piarcomet.com	Terex Peiner SK 575	32	88
Will Webb, owner	creativelifting.com	Saez TLS-80	24	65
Ryan Burton, managing partner	bigfootcrane.com	San Marco SMT 551	8	48
James Robertson, president and CEO	allegiancecrane.com	Linden Comansa 21LC550/SK 415	25	45
Whitey Lebsack, business development director	rmscranes.com	Potain MR 608	32	40
Mike Demelo, VP of equipment operations	oxfordbuilders.ca	Terex Comedil CTL 630	32	39
James Lomma, president	jflommainc.com	Favco M1280D	96	38
Henry Volante, director, tower crane operations	bluehatcrane.com	Linden Comansa 8852	18	34
Jim Howard, president	towercranes.net	Sun STT-753	32	29
Patrick Stafford, owner	staffordcranegroup.com	Terex Peiner SK 575	32	24
Jean-Marc Baronet, president	gruesguay.com	Terex Peiner SK 415-20	20	23
Kelly Hadland, CEO	compassequipment.com	Potain MD 485B	20	22
Joe Mirabile, general manager	unitedcraneandrigging.com	Terex Peiner SK 575	32	20
Randy Huffman, vice president	customservicecrane.com	Wolff 8033.20	20	11
Michael A. Connelly, president	connellycrane.com	Terex Peiner SK 415-20	20	6
Michael A. DiPonio, vice president	jaydee.us	Kroll K1800	60	1
George Schrade, president	aquickpickcrane.com	Potain Igo T130	8	1

units, trading with Number 3 Bigge that reported 183 units this year up from 151 last year. Rounding out the top 5 are Number 4 ALL Erection and Number 5 P&J Arcomet with 91 and 88 units respectively. ALL Erection is the only company in the top 5 that decreased in units from 93 to 91.

In terms of the largest cranes on the list, J.F. Lomma still has the largest capacity tower crane, the Favco M1280D with a capacity of 96 metric tons. There are four 60 metric ton capacity cranes on the list, one 40 metric ton unit and six 32 metric ton units.

In analyzing this list, it's worthwhile to note that only three companies in North America have tower crane fleets in the

triple digits. Last year there were five.

As well, the ACT team made a bigger than ever effort to increase the number of companies on the **ACTTOWERCRANE50** list. We created a database of 91 companies that we know have one or more tower cranes in their fleets. The problem is getting these companies to realize the value in filling out our survey form and submitting their information. As ever, we will continue to try to get this list to its rightful size of at least 50 companies.

This year's **ACTTOWERCRANE50** shows that the growth of the tower crane sector continues, although it's not by leaps and bounds. The consistent necessity for tower cranes prevails

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 these 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 2018 survey, please email D. Ann Shiffler at d.annshiffler@khl.com or Hannah Sundermeyer at hannah.sundermeyer@khl.com.

despite economic recessions, dips in oil prices and a lack of government funding. That's a great sign for the industry. Congratulations to every company who made our list!

2018 calendar of industry

JANUARY 3-6, 2018



SC&RA January Board & Committee Meetings
Naples, FL
www.scranet.org

JANUARY 15-19, 2018



AED Summit & CONDEX
Las Vegas, NV
www.aedsummit.com

JANUARY 23-26, 2018



World of Concrete
Las Vegas, NV
www.worldofconcrete.com

FEBRUARY 11-14, 2018



Iron Workers/IMPACT Conference
Lake Buena Vista, FL
www.impact-net.org

FEBRUARY 19-21, 2018



The Rental Show
New Orleans, LA
www.therentalshow.com

FEBRUARY 27-MARCH 2, 2018



SC&RA Specialized Transportation Symposium
St. Louis, MO
www.scranet.org

APRIL 17-21, 2018



SC&RA Annual Conference
Boca Raton, FL
www.scranet.org

APRIL 22-25, 2018



AWRF Spring Conference
Scottsdale, AZ
www.awrf.org



APRIL 23-28, 2018



Intermat 2018
Paris, France
www.intermatconstruction.com

APRIL 26, 2018



ESTA Awards of Excellence
Paris, France
www.khl.com/esta

MAY 7-10, 2018



American Wind Energy Association
Chicago, IL
www.awea.org

MAY 15-18, 2018



ACRP General Assembly
Houston, TX
www.acrp.net

JUNE 6-9, 2018



Crane Rental Association of Canada
Winnipeg, Manitoba, Canada
www.crac-aclg.ca



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

events



JUNE 19, 2018



Tower Cranes North America
Miami, FL
www.khl-tcna.com

SEPTEMBER 26-28, 2018



SC&RA Crane & Rigging Workshop
Louisville, KY
www.scranet.org

OCTOBER 2-4, 2018



Breakbulk Americas
Houston, TX
www.breakbulk.com

OCTOBER 14-17, 2018

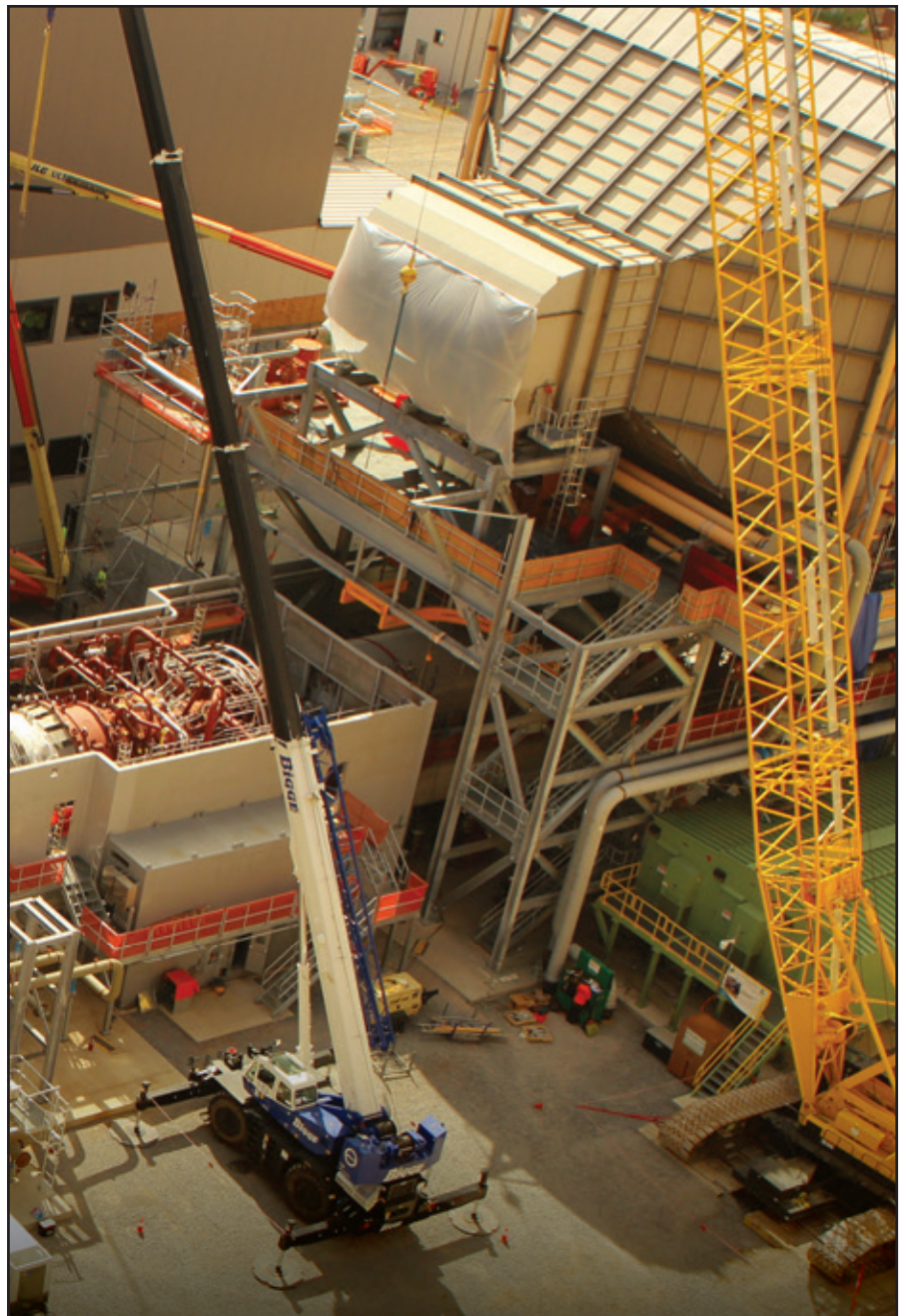


AWRF Fall Conference
San Antonio, TX
www.awrf.org

DECEMBER 4-6, 2018



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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 truly a global one, 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, but for the sake of the *ACT 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.

In the *ACT Sourcebook 2018*, we have

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

VOLUME

1 cubic meter (m ³)	=	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 ² (psi)	=	6895 N/m ²
1 (Newton/m ²) Nm ²	=	1 pascal (Pa)
20 lb/in ²	=	1.41 kg/cm ²

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 ³ = 0.159 m ³

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 ²)	Square Meters (m ²)	
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

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 ²)		Square Meters (m ²)
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

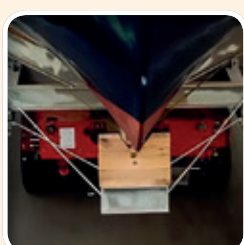
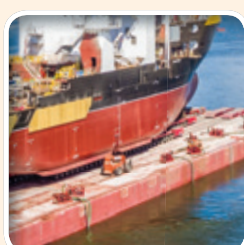
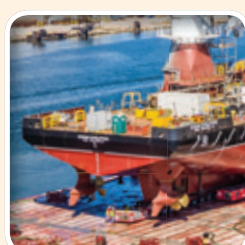
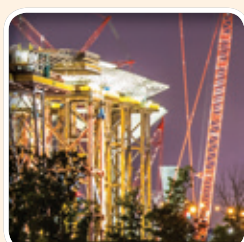
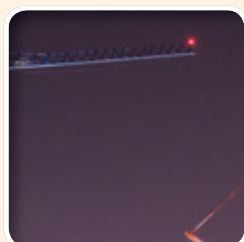
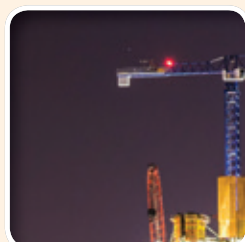
Cubic Feet (ft ³)		Cubic Meters (m ³)
35.315	1	0.028
70.629	2	0.057
105.943	3	0.085
141.258	4	0.113
176.572	5	0.147
211.887	6	0.170
247.201	7	0.198
282.516	8	0.227
317.830	9	0.255

Cubic Yards (yd ³)		Cubic Meters (m ³)
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



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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
Demag	AC 45 City	45	0.6@38	31.2	13	45	3	53	n/s	260	50
Demag	AC 55-3	55	1@38	50	0	50	3	53	n/s	260	60
Demag	AC 60-3	60	0.7@46	50	16	66	3	53	n/s	260	65
Demag	AC 100-4(L)	100	1.6@46	60	27	81.6	4	53	n/s	340	120
Demag	AC 130-5	130	1.7@54	60	26.5	86.5	5	53	n/s	368	140
Demag	AC 160-5	160	1.3@58	68	27	94.6	5	53	n/s	368	180
Demag	AC 220-5	220	1.8@70	78	21	99	5	53	n/s	368	245
Demag	AC 250-5	250	1.9@66	70	32	102	5	53	n/s	368	300
Demag	AC 300-6	300	2.2@74	80	63	101	6	53	n/s	430	350
Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	n/s	450	400
Demag	AC 500-8	500	2.2@110	56	90	145.8	8	47	n/s	480	600
Demag	AC 700-9	700	3.8@110	60	96	149.5	9	47	n/s	460	800
Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	n/s	480	1,320
Grove	GMK3060	60	1.1 @38.0	43	15	60.7	3	53	n/a	265	65
Grove	GMK4090	90	0.9 @ 51.0	51	15	n/s	4	n/s	n/a	320	100
Grove	GMK4100L-1	100	0.9 @52.0	60	25.6	89	4	53	n/a	320	115
Grove	GMK5150	150	3.8 @48.0	51	33.8	88	5	53	n/a	390	175
Grove	GMK5150L	150	2.3 @56.0	60	33.8	97	5	53	n/a	390	175
Grove	GMK5180-1	180	1.8 @60.0	64	34	101	5	53	n/a	390	210
Grove	GMK5200-1	200	3.5 @60.0	64	34	101	5	53	n/a	390	240
Grove	GMK5250L	250	3.7 @64.0	70	37	110	5	53	n/a	390	300
Grove	GMK6300L	300	1.7 @70.0	80	37	120	6	53	n/a	405	350
Grove	GMK6400	400	7.9 @56.0	60	79	137	6	53	n/a	405	450
Grove	GMK7450/GMK7550	450	9.9 @56.0	60	79	136	7	53	n/a	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 1130-5.1	130	0.9@72	60	33	91	5	53	12	400	155
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Liebherr	LTM 1200-5.1	200	1.3@80	72	36	101	5	53	12	370	240
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 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Liebherr	LTM 11200-9.1	1200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1,500
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	0.68 @ 50	44	16	61	4	52	12	320	75
Tadano	ATF 70G-4 (52.1m)	70 @ 2.5	0.68 @ 46	52.1	16	69.5	4	52	12	320	75
Tadano	ATF 100G-4	100 @ 2.3	0.68 @ 56	51.2	18	71	4	52	12	320	110
Tadano	ATF 110G-5	110	1.08 @ 68	52	32	87.5	5	52	12	390	130
Tadano	ATF 130G-5	130 @ 2.7	1.08 @ 72	60	32	95	5	52	12	390	160
Tadano	ATF 200G-5	200 @ 2.7	1.17 @ 80	60	36	99.5	5	52	12	390	220
Tadano	ATF 220G-5	220 @ 2.5	1.31 @ 84	68	35.8	107.5	5	52	12	390	250
Tadano	ATF 400G-6	400 @ 2.7	2.09 @ 86.1	60	78.5	125	6	52	12	460	450

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
Demag	AC 45 City	45	0.6@38	31.2	13	45	3	53	n/s	260	50
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	260	50
Demag	AC 55-3	55	1@38	50	0	50	3	53	n/s	260	60
Liebherr	LTM 1050-3.1	50	0.6@44	38	16	54	3	53	12	270	60
Demag	AC 60-3	60	0.7@46	50	16	66	3	53	n/s	260	65
Grove	GMK3060	60	1.1 @38.0	43	15	60.7	3	53	n/a	265	65
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
Tadano	ATF 70G-4 (44m)	70 @ 2.5	0.68 @ 50	44	16	61	4	52	12	320	75
Tadano	ATF 70G-4 (52.1m)	70 @ 2.5	0.68 @ 46	52.1	16	69.5	4	52	12	320	75
Liebherr	LTM 1070-4.2	70@2.5	0.7@48	50	16	65	4	53	12	300	80
Grove	GMK4090	90	0.9 @ 51.0	51	15	n/s	4	n/s	n/a	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	0.68 @ 56	51.2	18	71	4	52	12	320	110
Grove	GMK4100L-1	100	0.9 @52.0	60	25.6	89	4	53	n/a	320	115
Liebherr	LTM 1095-5.1	95	0.8@60	58	26	82	5	53	12	370	115
Demag	AC 100-4(L)	100	1.6@46	60	27	81.6	4	53	n/s	340	120
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	ATF 110G-5	110	1.08 @ 68	52	32	87.5	5	52	12	390	130
Demag	AC 130-5	130	1.7@54	60	26.5	86.5	5	53	n/s	368	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	1.08 @ 72	60	32	95	5	52	12	390	160
Grove	GMK5150	150	3.8 @48.0	51	33.8	88	5	53	n/a	390	175
Grove	GMK5150L	150	2.3 @56.0	60	33.8	97	5	53	n/a	390	175
Demag	AC 160-5	160	1.3@58	68	27	94.6	5	53	n/s	368	180
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Grove	GMK5180-1	180	1.8 @60.0	64	34	101	5	53	n/a	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	1.17 @ 80	60	36	99.5	5	52	12	390	220
Grove	GMK5200-1	200	3.5 @60.0	64	34	101	5	53	n/a	390	240
Liebherr	LTM 1200-5.1	200	1.3@80	72	36	101	5	53	12	370	240
Demag	AC 220-5	220	1.8@70	78	21	99	5	53	n/s	368	245
Tadano	ATF 220G-5	220 @ 2.5	1.31 @ 84	68	35.8	107.5	5	52	12	390	250
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Demag	AC 250-5	250	1.9@66	70	32	102	5	53	n/s	368	300
Grove	GMK5250L	250	3.7 @64.0	70	37	110	5	53	n/a	390	300
Liebherr	LTM 1250-5.1	250	1.1@96	60	50	108	5	53	12	400	300
Demag	AC 300-6	300	2.2@74	80	63	101	6	53	n/s	430	350
Grove	GMK6300L	300	1.7 @70.0	80	37	120	6	53	n/a	405	350
Liebherr	LTM 1300-6.2	300	1.1@94	78	70	114	6	53	12	450	360
Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	n/s	450	400
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	450	400
Grove	GMK6400	400	7.9 @56.0	60	79	137	6	53	n/a	405	450
Tadano	ATF 400G-6	400 @ 2.7	2.09 @ 86.1	60	78.5	125	6	52	12	460	450
Liebherr	LTM 1400-7.1	400	1.5@100	60	84	130	7	53	12	450	500
Grove	GMK7450/GMK7550	450	9.9 @56.0	60	79	136	7	53	n/a	420	550
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	131	8	53	12	505	550
Demag	AC 500-8	500	2.2@110	56	90	145.8	8	47	n/s	480	600
Liebherr	LTM 1500-8.1	500	3.6@108	84	91	142	8	53	12	500	600
Demag	AC 700-9	700	3.8@110	60	96	149.5	9	47	n/s	460	800
Liebherr	LTM 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	n/s	480	1,320
Liebherr	LTM 11200-9.1	1200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1,500

ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Load at		Maximum			Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)					
Broderson	RT-300	15	3200 lbs @ 60 ft	18.29	6.09	26.8	2	23	n/s	122	15
Broderson	RT-400	20	3600 lbs @ 68 ft			98	2	24	n/s	122	20
Global/Zoomlion	RT35	35	1.23@29	31	15	41	2	38	-	129	40
Global/Zoomlion	RT55	55	1.63@32	34	17	52.4	2	41.4	-	160	60
Global/Zoomlion	RT60	55	1.17@33.5	43	17	61.4	2	41.4	-	160	65
Global/Zoomlion	RT75	75	1.37@36	38.5	17	55.5	2	40.9	-	194	80
Global/Zoomlion	RT100	100	1.23@29	43	18.5	63	2	24	-	224	110
Grove	RT530E-2	27	0.9 @26.0	29	13.7	45	2	25	n/a	122	30
Grove	RT540E	37.2	0.5 @ 28.0	31	13.7	47	2	25	n/a	119	40
Grove	GRT655	ns	ns	34.8	13.7	170	2	18.8	n/s	122	55
Grove	GRT655L	ns	ns	43	13.7	196	2	18.8	n/s	122	55
Grove	RT765E-2	54.1	1.7 @ 30.0	33.5	17.1	65.2	2	23	n/a	179	65
Grove	RT770E	54.1	0.6 @ 36.0	42	17.1	73.6	2	23	n/a	179	70
Grove	GRT880	80	1.3 @38.0	41	17.1	68	2	15	n/a	205	80
Grove	GRT8100	80.3	0.5 @40	47	17	72.9	2	15 or 10	n/a	205	100
Grove	RT9130E-2	110	1.6 @ 42.0	48.8	18	85	2	15	n/a	239	130
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-8030 Series II	30@2.5	1.05@26	27.8	13.4	41	2	17.4	n/s	122.2	30
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	n/s	145	50
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	n/s	201	65
Link-Belt	75RT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	n/s	201	75
Link-Belt	RTC-8080 Series II	80@2.5	1.7@36	38.7	29.3	67.6	2	18.2	n/s	201	80
Link-Belt	RTC-8090 Series II	80@2.5	1.9@40	42.7	27.4	69.8	2	18.2	n/s	201	90
Link-Belt	110RT	100@2.1	0.8@46	50	27.4	77.5	2	17.8	n/s	201	100
Link-Belt	RTC-80110 Series II	100@3m	1.45@42	45.7	27.8	73.6	3	18.5	n/s	257	110
Link-Belt	RTC-80130 Series II	120@2.5m	2.45@46	49.3	33.3	82.1	3	17	n/s	257	130
Link-Belt	RTC-80160 Series II	145@2.1m	1.4@56	59.5	33.3	92	3	15	n/s	257	160
Sany America	SRC840	35	0.82@28.95	103.4	45	155.5	2	25	n/s	119	40
Sany America	SRC865	55	1.56@30.48	113.2	53.8	172	2	25	n/s	186	65
Sany America	SRC865XL	55	0.72@32	139.4	52.2	197.2	2	25	n/s	186	65
SANY America	SRC885	75	1.0@41.15	44.99	16.15	60.96	2	23	n/s	205	85
Tadano	GR-350XL	31.8 @ 2.4	0.6 @ 26	31	12.8	144.3	2	31	n/a	175	35
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	n/a	201	55
Tadano	GR-750XL	68 @ 2.4	0.8 @ 38	43	17.7	198.9	2	22	n/a	201	75
Tadano	GR-1000XL	90.7 @ 2.4	0.9 @ 40	47	17.7	211.3	2	22	n/a	201	100
Tadano	GR-1200XL	110 @ 2.5	1.8 @ 56	56	17.7	241.4	2	12	n/a	201	120
Tadano	GR-1600XL	145 @ 2.5	1.8 @ 56	61	18	257.2	3	9.3	n/a	201	160
Terex	RT 230	27.3	0.4@38.6	30.2	28.8	147	2	24.5	n/a	96	30
Terex	RT 230 XL	27.3	0.4@36.3	30.5	32.6	147	2	24.5	n/a	96	30
Terex	RT 35-1	35	.4@27	30.1	32.8	125	2	18.7	n/a	119	38.5
Terex	RT 45	45	0.7&29	31.1	33	148	2	19.6	n/a	129	49.6
Terex	RT 45L	45	.55@36	37.4	39.5	149	2	19.6	n/a	129	49.6
Terex	RT 555	50	0.45@43.3	33.5	35	152	2	22.8	n/a	138	55
Terex	RT 670	63.5	0.4@48.8	33.8	35.1	170	2	23.4	n/a	164	70
Terex	Quadstar 1065	65	.2@43	32.4	35	171	2	18	n/a	164	71
Terex	RT 780	72.6	0.5@49.4	38.4	40.8	190	2	25	n/a	194	80
Terex	RT 90	86	0.8@42	47	50	164	2	17	n/a	168	95
Terex	RT 100US	90	0.45@52	47	50	210	2	17	n/a	168	100
Terex	RT 100	90	0.2@55	53	55.8	223	2	18.6	n/a	195	100
Terex	Quadstar 1100	100.5	.75@55	47.2	50	235	2	18.7	n/a	194	110
Terex	RT 130	118	0.65@55.2	47.2	50	218	2	20.4	n/a	224	130
Terex	Quadstar 1075	75	.2@43	41.8	37	202.8	2	18	n/a	164	82.7
Terex	Quadstar 1075L	75	.35@42	42.1	45	202.8	2	18	n/a	164	82.7

ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Load at			Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Main Boom (m)							
Broderson	RT-300	15	3200 lbs @ 60 ft	18.29	6.09	26.8	2	23	n/s	122	15
Broderson	RT-400	20	3600 lbs @ 68 ft			98	2	24	n/s	122	20
Grove	RT530E-2	27	0.9 @26.0	29	13.7	45	2	25	n/a	122	30
Link-Belt	RTC-8030 Series II	30@2.5	1.05@26	27.8	13.4	41	2	17.4	n/s	122.2	30
Terex	RT 230	27.3	0.4@38.6	30.2	28.8	147	2	24.5	n/a	96	30
Terex	RT 230 XL	27.3	0.4@36.3	30.5	32.6	147	2	24.5	n/a	96	30
Tadano	GR-350XL	31.8 @ 2.4	0.6 @ 26	31	12.8	144.3	2	31	n/a	175	35
Terex	RT 35-1	35	.4@27	30.1	32.8	125	2	18.7	n/a	119	38.5
Global/Zoomlion	RT35	35	1.23@29	31	15	41	2	38	-	129	40
Grove	RT540E	37.2	0.5 @ 28.0	31	13.7	47	2	25	n/a	119	40
Sany America	SRC840	35	0.82@28.95	103.4	45	155.5	2	25	n/s	119	40
Terex	RT 45	45	0.7&29	31.1	33	148	2	19.6	n/a	129	49.6
Terex	RT 45L	45	.55@36	37.4	39.5	149	2	19.6	n/a	129	49.6
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	n/s	145	50
Grove	GRT655	ns	ns	34.8	13.7	170	2	18.8	n/s	122	55
Grove	GRT655L	ns	ns	43	13.7	196	2	18.8	n/s	122	55
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	n/a	201	55
Terex	RT 555	50	0.45@43.3	33.5	35	152	2	22.8	n/a	138	55
Global/Zoomlion	RT55	55	1.63@32	34	17	52.4	2	41.4	-	160	60
Global/Zoomlion	RT60	55	1.17@33.5	43	17	61.4	2	41.4	-	160	65
Grove	RT765E-2	54.1	1.7 @ 30.0	33.5	17.1	65.2	2	23	n/a	179	65
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	n/s	201	65
Sany America	SRC865	55	1.56@30.48	113.2	53.8	172	2	25	n/s	186	65
Sany America	SRC865XL	55	0.72@32	139.4	52.2	197.2	2	25	n/s	186	65
Grove	RT770E	54.1	0.6 @ 36.0	42	17.1	73.6	2	23	n/a	179	70
Terex	RT 670	63.5	0.4@48.8	33.8	35.1	170	2	23.4	n/a	164	70
Terex	Quadstar 1065	65	.2@43	32.4	35	171	2	18	n/a	164	71
Link-Belt	75RT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	n/s	201	75
Tadano	GR-750XL	68 @ 2.4	0.8 @ 38	43	17.7	198.9	2	22	n/a	201	75
Global/Zoomlion	RT75	75	1.37@36	38.5	17	55.5	2	40.9	-	194	80
Grove	GRT880	80	1.3 @38.0	41	17.1	68	2	15	n/a	205	80
Link-Belt	RTC-8080 Series II	80@2.5	1.7@36	38.7	29.3	67.6	2	18.2	n/s	201	80
Terex	RT 780	72.6	0.5@49.4	38.4	40.8	190	2	25	n/a	194	80
Terex	Quadstar 1075	75	.2@43	41.8	37	202.8	2	18	n/a	164	82.7
Terex	Quadstar 1075L	75	.35@42	42.1	45	202.8	2	18	n/a	164	82.7
SANY America	SRC885	75	1.0@41.15	44.99	16.15	60.96	2	23	n/s	205	85
Link-Belt	RTC-8090 Series II	80@2.5	1.9@40	42.7	27.4	69.8	2	18.2	n/s	201	90
Terex	RT 90	86	0.8@42	47	50	164	2	17	n/a	168	95
Grove	GRT8100	80.3	0.5 @40	47	17	72.9	2	15 or 10	n/a	205	100
Liebherr	LRT 1090-2.1	90	0.9@50	47	19	66	2	15.5	-	194	100
Link-Belt	110RT	100@2.1	0.8@46	50	27.4	77.5	2	17.8	n/s	201	100
Tadano	GR-1000XL	90.7 @ 2.4	0.9 @ 40	47	17.7	211.3	2	22	n/a	201	100
Terex	RT 100US	90	0.45@52	47	50	210	2	17	n/a	168	100
Terex	RT 100	90	0.2@55	53	55.8	223	2	18.6	n/a	195	100
Global/Zoomlion	RT100	100	1.23@29	43	18.5	63	2	24	-	224	110
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	-	194	110
Link-Belt	RTC-80110 Series II	100@3m	1.45@42	45.7	27.8	73.6	3	18.5	n/s	257	110
Terex	Quadstar 1100	100.5	.75@55	47.2	50	235	2	18.7	n/a	194	110
Tadano	GR-1200XL	110 @ 2.5	1.8 @ 56	56	17.7	241.4	2	12	n/a	201	120
Grove	RT9130E-2	110	1.6 @ 42.0	48.8	18	85	2	15	n/a	239	130
Link-Belt	RTC-80130 Series II	120@2.5m	2.45@46	49.3	33.3	82.1	3	17	n/s	257	130
Terex	RT 130	118	0.65@55.2	47.2	50	218	2	20.4	n/a	224	130
Link-Belt	RTC-80160 Series II	145@2.1m	1.4@56	59.5	33.3	92	3	15	n/s	257	160
Tadano	GR-1600XL	145 @ 2.5	1.8 @ 56	61	18	257.2	3	9.3	n/a	201	160

TRUCK CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum			Number of Axles (#)	Maximum	Engine Power (kW)	Capacity US tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Main Boom (m)	Main Boom Extension (m)	Maximum Hook Height (m)		Travel Speed (mph)		
Grove	TMS800E	70	1.7 @36	39	17	58.2	4	65	336	80
Grove	TMS9000-2	ns	ns	51.6	17.6	80.3	4	65	336	115
Grove	TMS700E	55	1.7 @30	33.5	17	52.6	4	65	336	60
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
Link-Belt	HTC-3140	110	2.85@46	49.4	33.2	79.83	5	65.62	434	140
Link-Belt	HTC-3140LB	120	.95@56	59.5	33.2	89.93	5	65.62	434	140
Terex	T 340-1	36.3	.95@26	28.7	14.9	44.8	3	60	224	40
Terex	T 340-1 XL	36.3	.55@30	32	14.9	48.2	3	60	224	40
Terex	T 560-1	54	1.25@32	33.5	17.4	52	4	65	335	60
Terex	T 780	72	1.6@36	38.4	17.4	57.6	4	65	335	80

TRUCK CRANES BY CAPACITY

Manufacturer	Model	Load at		Maximum			Number of Axles (#)	Maximum	Engine Power (kW)	Capacity US tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Main Boom (m)	Main Boom Extension (m)	Maximum Hook Height (m)		Travel Speed (mph)		
Terex	T 340-1	36.3	.95@26	28.7	14.9	44.8	3	60	224	40
Terex	T 340-1 XL	36.3	.55@30	32	14.9	48.2	3	60	224	40
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	55
Grove	TMS700E	55	1.7 @30	33.5	17	52.6	4	65	336	60
Link-Belt	HTC-8660 Series II	45.36	1.2@30	33.5	15.5	46.4	4	60.69	276	60
Terex	T 560-1	54	1.25@32	33.5	17.4	52	4	65	335	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
Grove	TMS800E	70	1.7 @36	39	17	58.2	4	65	336	80
Terex	T 780	72	1.6@36	38.4	17.4	57.6	4	65	335	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	ns	ns	51.6	17.6	80.3	4	65	336	115
Link-Belt	HTC-3140	110	2.85@46	49.4	33.2	79.83	5	65.62	434	140
Link-Belt	HTC-3140LB	120	.95@56	59.5	33.2	89.93	5	65.62	434	140

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed Weight (t)	Outrigger Type	Max Lift Capacity (US tons)
Altec	AC18-70B	121	70	40	n/s	A-type	18
Altec	AC18-70B-HL	121	70	40	n/s	A-type	18
Altec	AC18-70B-HL	121	70	40	n/s	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	n/s	A-type	18
Altec	AC18-70R-HL	121	70	40	n/s	Out-and-Down	18
Altec	AC23-95B	150	95	44	n/s	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	n/s	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	n/s	Out-and-Down	23.5
Altec	AC26-103B	159	103	44	n/s	A-type	26
Altec	AC26-103B	159	103	44	n/s	Out-and-Down	26
Altec	AC26-103R	159	103	44	n/s	A-type	26
Altec	AC26-103S	156	103	44	n/s	Out-and-Down	26
Altec	AC28-103B	159	103	44	n/s	A-type	28
Altec	AC28-103B	159	103	44	n/s	Out-and-Down	28
Altec	AC30-103S	156	103	44	n/s	Out-and-Down	30
Altec	AC38-103S	167	103	55	n/s	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	n/s	Out-and-Down	38
Altec	AC38-127S	189	127	55	n/s	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	n/s	Out-and-Down	38
Altec	AC40-152S	207	152	49	n/s	Out-and-Down	40
Altec	AC45-127S	189	127	55	n/s	Out-and-Down	45
Altec	AC40-152S-TC	205	152	49	n/s	Out-and-Down	40
Altec	AC45-127S-TC	187	127	55	n/s	Out-and-Down	45
Elliott Equipment Company	1039	49	39	NA	n/s	A-Frame	10
Elliott Equipment Company	1047	57	47	NA	n/s	A-Frame	10
Elliott Equipment Company	1056	96	56	30	n/s	A-Frame	10
Elliott Equipment Company	1560	90	60	20	n/s	A-Frame	15
Elliott Equipment Company	1838	48	38	NA	n/s	A-Frame	18
Elliott Equipment Company	1860	90	60	20	n/s	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	n/s	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	n/s	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	n/s	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	n/s	Out-and-Down	18
Elliott Equipment Company	2651	63	51	NA	n/s	A-Frame	26
Elliott Equipment Company	2673	85	73	N/A	n/s	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	n/s	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	n/s	A-Frame	26
Elliott Equipment Company	3095	148	95	24 or 41	n/s	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	n/s	Out-and-Down	30
Elliott Equipment Company	32117	153	117	24	n/s	Out-and-Down	32
Elliott Equipment Company	34127	186	127	49	n/s	Out-and-Down	34
Elliott Equipment Company	34142	201	142	32 or 49	n/s	Out-and-Down	34
Elliott Equipment Company	36127	186	127	32 or 49	n/s	Out-and-Down	36
Elliott Equipment Company	36142	201	142	32 or 49	n/s	Out-and-Down	36
Elliott Equipment Company	40105	170	105	32, 31 to 55	n/s	Out-and-Down	40
Elliott Equipment Company	40127	192	127	26, 31 or 55	n/s	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26, 31 or 55	n/s	Out-and-Down	40
Elliott Equipment Company	45105	170	105	32, 31 or 55	n/s	Out-and-Down	45
Elliott Equipment Company	45127	192	127	26, 31 or 55	n/s	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26, 31 or 55	n/s	Out-and-Down	45
Elliott Equipment Company	50105	164	105	32 or 49	n/s	Out-and-Down	50
Manitex	1770C	121	27 - 70	23.6 or 40.6	n/s	A-Link	17
Manitex	1970C	121	27 - 70	23.6 or 40.6	n/s	A-link	19
Manitex	2085T	95	18.9 -85	N/A	n/s	Out-and-Down	20
Manitex	2250C/T	96	20 - 50	20 or 34	n/s	A-Link	22
Manitex	2262C/T	115	24 - 62	24 or 42	n/s	A-Link	22
Manitex	2277C	140	29 - 77	29 or 52	n/s	A-link	22
Manitex	2281C	133	24 - 81	24 or 41	n/s	A-link	22
Manitex	2277S	138	29 - 77	29 or 52	n/s	Out-and-Down	22

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed Weight (t)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	n/s	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	n/s	Out-and-Down	22
Manitex	26101C	142	29 - 101	26	n/s	A-link	26
Manitex	2892C HYCAS	149	28 - 92	26 or 46	n/s	A-link	28
Manitex	2892C LMI	149	28 - 92	26 or 46	n/s	A-Link and Out-and-Down	28
Manitex	30112S	168	33 - 112	26 or 46	n/s	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	n/s	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	n/s	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	n/s	A-Link and Out-and-Down	30
Manitex	124WL	135	37 - 124	n/s	n/s	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	n/s	A-Link and Out-and-Down	30
Manitex	3051T	62 ft	51	NA	n/s	A-LINK and Out-and-Down	30
Manitex	3577C	91	30 - 77	n/s	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	n/s	Out-and-Down	35
Manitex	35124C	166	31 - 124	31	n/s	Out-and-Down	35
Manitex	4077S	87	31 - 77	n/a	n/s	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	n/s	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	n/s	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	n/s	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	n/s	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	n/s	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	n/s	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	n/s	Out-and-Down	40
Manitex	TC450-127	190	31-127	31-55	n/s	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	n/s	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	n/s	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	n/s	Out-and-Down	45
Manitex	TC500-96	152	31 - 96	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	5096S	152	31 - 96	32 or 49	n/s	Out-and-Down	50
Manitex	50110S	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	50110SHL	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	50155S	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	50155SHL	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	50128S	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	50128SHL	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	5085TR	84	84	NA	n/s	Out-and-Down	50
Manitex	TC700	185	115	31-51	n/s	Out-and-Down	70
National Crane	400B	66	56	n/s	n/s	A-type	10
National Crane	500 E2	121	71	41	n/s	A-type	18
National Crane	600 E2	121	90	45	n/s	A-type	20
National Crane	600H	99	90	45	n/s	HO-type	20
National Crane	800D	152	100	44	n/s	A-type	23
National Crane	900A	155	103	44	n/s	A-type	26
National Crane	NBT30H-2	119	110	44	n/s	HO-type	30
National Crane	1300A	163	110	44	n/s	HO-type	30
National Crane	1400H	165	127	30	n/s	HO-type	33
National Crane	1400A	172	127	30	n/s	HO-type	33
National Crane	NBT 36-1	190	127	55	n/s	HO-type	36
National Crane	NBT 40-1	190	142	55	n/s	HO-type	40
National Crane	NBT 45-1	206	161	55	n/s	HO-type	45
National Crane	NBT 50	179	128	45	n/s	X-type	50
National Crane	NBT 55	179	128	45	n/s	X-type	55
National Crane	NTC55	179	128	45	n/s	X-type	55

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed Weight (t)	Outrigger Type	Max Lift Capacity (US tons)
National Crane	NBT 60	179	128	NA	n/s	X-type	60
QMC	5370R	73.8	70	n/s	24200	Out-and-Down	22
QMC	5555S	58.8	55	n/s	20600	Out-and-Down	23
QMC	5555R	58.8	55	n/s	22100	Out-and-Down	23
QMC	4033R	37.4	33	n/s	17800	Out-and-Down	25
QMC	4037R	41.3	37	n/s	18100	Out-and-Down	25
QMC	5037R	34.9	37	n/s	22200	Out-and-Down	29
QMC	5034R	32.2	34	n/s	24200	Out-and-Down	29
QMC	7256R	60.2	56	n/s	27100	Out-and-Down	30
QMC	6070C	73.8	70	30 Fly	32400	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	31500	Out-and-Down	33
QMC	6082TD	83.9	82	n/s	40700	Out-and-Down	34
QMC	70100TD	95.5	100	n/s	46200	Out-and-Down	35
QMC	7060RSX	56.9	60	n/s	31000	Out-and-Down	36
QMC	8060R	57.1	60	n/s	34000	Out-and-Down	40
QMC	80101S	97	101	n/s	42600	Out-and-Down	40
Terex	BT 2047	91 ft 9 in	47	18-30	10,700	A Link-Type	10
Terex	TM 3851	90	51	18 - 29	n/s	A Link-Type	19
Terex	BT 3870	120	70	24 - 40	n/s	A Link-Type	19
Terex	BT 4792	144	92	26 - 44	n/s	H-type	23.5
Terex	BT 28106	162	106	30 - 47	30000	K-pattern	28
Terex	BT 70100	163	100	30.5 - 55	n/s	H-type	35
Terex	RS 70100	163	100	30.5 - 55	n/s	H-type	35
Terex	Crossover 4500L	183	129	32 - 49	n/s	X-pattern	45
Terex	Crossover 5000	170	110	32 - 57	n/s	X-pattern	50
Terex	Crossover 6000	170	110	32 - 57	n/s	X-pattern	60
Terex	Crossover 8000	190	126	33 - 57	n/s	X-pattern	80

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed Weight (t)	Outrigger Type	Max Lift Capacity (US tons)
Elliott Equipment Company	1039	49	39	NA	n/s	A-Frame	10
Elliott Equipment Company	1047	57	47	NA	n/s	A-Frame	10
Elliott Equipment Company	1056	96	56	30	n/s	A-Frame	10
National Crane	400B	66	56	n/s	n/s	A-type	10
Terex	BT 2047	91 ft 9 in	47	18-30	10700	A Link-Type	10
Elliott Equipment Company	1560	90	60	20	n/s	A-Frame	15
Manitex	1770C	121	27 - 70	23.6 or 40.6	n/s	A-Link	17
Altec	AC18-70B	121	70	40	n/s	A-type	18
Altec	AC18-70B-HL	121	70	40	n/s	A-type	18
Altec	AC18-70B-HL	121	70	40	n/s	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	n/s	A-type	18
Altec	AC18-70R-HL	121	70	40	n/s	Out-and-Down	18
Elliott Equipment Company	1838	48	38	NA	n/s	A-Frame	18
Elliott Equipment Company	1860	90	60	20	n/s	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	n/s	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	n/s	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	n/s	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	n/s	Out-and-Down	18
National Crane	500 E2	121	71	41	n/s	A-type	18
Manitex	1970C	121	27 - 70	23.6 or 40.6	n/s	A-link	19
Terex	TM 3851	90	51	18 - 29	n/s	A Link-Type	19
Terex	BT 3870	120	70	24 - 40	n/s	A Link-Type	19
Manitex	2085T	95	18.9 - 85	N/A	n/s	Out-and-Down	20
National Crane	600 E2	121	90	45	n/s	A-type	20
National Crane	600H	99	90	45	n/s	HO-type	20
Manitex	2250C/T	96	20 - 50	20 or 34	n/s	A-Link	22
Manitex	2262C/T	115	24 - 62	24 or 42	n/s	A-Link	22

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed Weight (t)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	2277C	140	29 - 77	29 or 52	n/s	A-link	22
Manitex	2281C	133	24 - 81	24 or 41	n/s	A-link	22
Manitex	2277S	138	29 - 77	29 or 52	n/s	Out-and-Down	22
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	n/s	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	n/s	Out-and-Down	22
QMC	5370R	73.8	70	n/s	24200	Out-and-Down	22
National Crane	800D	152	100	44	n/s	A-type	23
QMC	5555S	58.8	55	n/s	20600	Out-and-Down	23
QMC	5555R	58.8	55	n/s	22100	Out-and-Down	23
Altec	AC23-95B	150	95	44	n/s	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	n/s	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	n/s	Out-and-Down	23.5
Terex	BT 4792	144	92	26 - 44	n/s	H-type	23.5
QMC	4033R	37.4	33	n/s	17800	Out-and-Down	25
QMC	4037R	41.3	37	n/s	18100	Out-and-Down	25
Altec	AC26-103B	159	103	44	n/s	A-type	26
Altec	AC26-103B	159	103	44	n/s	Out-and-Down	26
Altec	AC26-103R	159	103	44	n/s	A-type	26
Altec	AC26-103S	156	103	44	n/s	Out-and-Down	26
Elliott Equipment Company	2651	63	51	NA	n/s	A-Frame	26
Elliott Equipment Company	2673	85	73	N/A	n/s	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	n/s	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	n/s	A-Frame	26
Manitex	26101C	142	29 - 101	26	n/s	A-link	26
National Crane	900A	155	103	44	n/s	A-type	26
Altec	AC28-103B	159	103	44	n/s	A-type	28
Altec	AC28-103B	159	103	44	n/s	Out-and-Down	28
Manitex	2892C HYCAS	149	28 - 92	26 or 46	n/s	A-link	28
Manitex	2892C LMI	149	28 - 92	26 or 46	n/s	A-Link and Out-and-Down	28
Terex	BT 28106	162	106	30 - 47	30000	K-pattern	28
QMC	5037R	34.9	37	n/s	22200	Out-and-Down	29
QMC	5034R	32.2	34	n/s	24200	Out-and-Down	29
Altec	AC30-103S	156	103	44	n/s	Out-and-Down	30
Elliott Equipment Company	3095	148	95	24 or 41	n/s	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	n/s	Out-and-Down	30
Manitex	30112S	168	33 - 112	26 or 46	n/s	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	n/s	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	n/s	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	n/s	A-Link and Out-and-Down	30
Manitex	124WL	135	37 - 124	n/s	n/s	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	n/s	A-Link and Out-and-Down	30
Manitex	3051T	62 ft	51	NA	n/s	A-LINK and Out-and-Down	30
National Crane	NBT30H-2	119	110	44	n/s	HO-type	30
National Crane	1300A	163	110	44	n/s	HO-type	30
QMC	7256R	60.2	56	n/s	27100	Out-and-Down	30
Elliott Equipment Company	32117	153	117	24	n/s	Out-and-Down	32
National Crane	1400H	165	127	30	n/s	HO-type	33
National Crane	1400A	172	127	30	n/s	HO-type	33
QMC	6070C	73.8	70	30 Fly	32400	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	31500	Out-and-Down	33
Elliott Equipment Company	34127	186	127	49	n/s	Out-and-Down	34
Elliott Equipment Company	34142	201	142	32 or 49	n/s	Out-and-Down	34
QMC	6082TD	83.9	82	n/s	40700	Out-and-Down	34
Manitex	3577C	91	30 - 77	n/s	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	n/s	Out-and-Down	35
Manitex	35124C	166	31 - 124	31	n/s	Out-and-Down	35
QMC	70100TD	95.5	100	n/s	46200	Out-and-Down	35
Terex	BT 70100	163	100	30.5 - 55	n/s	H-type	35
Terex	RS 70100	163	100	30.5 - 55	n/s	H-type	35

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed Weight (t)	Outrigger Type	Max Lift Capacity (US tons)
Elliott Equipment Company	36127	186	127	32 or 49	n/s	Out-and-Down	36
Elliott Equipment Company	36142	201	142	32 or 49	n/s	Out-and-Down	36
National Crane	NBT 36-1	190	127	55	n/s	HO-type	36
GMC	7060RSX	56.9	60	n/s	31000	Out-and-Down	36
Altec	AC38-103S	167	103	55	n/s	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	n/s	Out-and-Down	38
Altec	AC38-127S	189	127	55	n/s	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	n/s	Out-and-Down	38
Altec	AC40-152S	207	152	49	n/s	Out-and-Down	40
Altec	AC40-152S-TC	205	152	49	n/s	Out-and-Down	40
Elliott Equipment Company	40105	170	105	32, 31 to 55	n/s	Out-and-Down	40
Elliott Equipment Company	40127	192	127	26, 31 or 55	n/s	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26, 31 or 55	n/s	Out-and-Down	40
Manitex	4077S	87	31 - 77	n/a	n/s	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	n/s	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	n/s	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	n/s	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	n/s	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	n/s	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	n/s	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	n/s	Out-and-Down	40
National Crane	NBT 40-1	190	142	55	n/s	HO-type	40
GMC	8060R	57.1	60	n/s	34000	Out-and-Down	40
GMC	80101S	97	101	n/s	42600	Out-and-Down	40
Altec	AC45-127S	189	127	55	n/s	Out-and-Down	45
Altec	AC45-127S-TC	187	127	55	n/s	Out-and-Down	45
Elliott Equipment Company	45105	170	105	32, 31 or 55	n/s	Out-and-Down	45
Elliott Equipment Company	45127	192	127	26, 31 or 55	n/s	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26, 31 or 55	n/s	Out-and-Down	45
Manitex	TC450-127	190	31-127	31-55	n/s	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	n/s	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	n/s	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	n/s	Out-and-Down	45
National Crane	NBT 45-1	206	161	55	n/s	HO-type	45
Terex	Crossover 4500L	183	129	32 - 49	n/s	X-pattern	45
Elliott Equipment Company	50105	164	105	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-96	152	31 - 96	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	5096S	152	31 - 96	32 or 49	n/s	Out-and-Down	50
Manitex	50110S	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	50110SHL	164	34 - 110	32 or 49	n/s	Out-and-Down	50
Manitex	50155S	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	50155SHL	203	38.5 - 155	39	n/s	Out-and-Down	50
Manitex	50128S	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	50128SHL	185	38.5 - 185	32 or 39	n/s	Out-and-Down	50
Manitex	5085TR	84	84	NA	n/s	Out-and-Down	50
National Crane	NBT 50	179	128	45	n/s	X-type	50
Terex	Crossover 5000	170	110	32 - 57	n/s	X-pattern	50
National Crane	NBT 55	179	128	45	n/s	X-type	55
National Crane	NTC55	179	128	45	n/s	X-type	55
National Crane	NBT 60	179	128	NA	n/s	X-type	60
Terex	Crossover 6000	170	110	32 - 57	n/s	X-pattern	60
Manitex	TC700	185	115	31-51	n/s	Out-and-Down	70
Terex	Crossover 8000	190	126	33 - 57	n/s	X-pattern	80

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Load at			Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Hook Height (m)	Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)		
Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Demag	CC 2800-1	600	4@142	192	24 / 180	102	20	660
Demag	CC 3800-1	650	5.5@160	192	24 / 192	96	20	715
Demag	PC 3800-1	650	6.8@154	192	24 / 192	96	on outriggers	715
Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1,375
Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1,760
Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	117	13.33	3,525
Global Crane Sales Zoomlion	QUY80	80@4	4.2@32	55	13/58	fj-18	1.68	88
Global Crane Sales Zoomlion	ZCC1100H	100@3.2	1.2@55	67	13/67	fj-18	1.26	110
Global Crane Sales Zoomlion	QUY130	130@4.5	1.8@61	71	19/73	fj-31	1.3	143
Global Crane Sales Zoomlion	QUY160	160@5	2.2@70	82	20/83	fj-31.if-51	1.2	176
Global Crane Sales Zoomlion	QUY180	180@5	2.0@72	82	20/83	fj-31.if-51	1.2	198
Global Crane Sales Zoomlion	QUY200	200@5	2.1@72	82	20/83	fj-30.if-51	0.98	220
Global Crane Sales Zoomlion	QUY260	260@5	2@82	94	20/83	fj-30.if-60	1	286
Global Crane Sales Zoomlion	QUY350	350@5/(SL350@30)	7.8@70	82	18/84(LD120)	fj-12.ij-66	1.2	385
Global Crane Sales Zoomlion	QUY450	400@6/(SL450@6.5)	4@72	82	24/84(LD126)	fj-36.ij-84	1.6	495
Global Crane Sales Zoomlion	QUY500W	400@6/(SL500@9)	4@72	82	24/84(LD126)	fj-36.ij-84	0.87	550
Global Crane Sales Zoomlion	QUY650	650@6/(SL650@6.5)	11@66	82	24/84(LD138)	fj-36.ij-96	0.6/0.98	715
Kobelco	CK850G	77@3.0	1.2 @ 51.8	58	12.2/61.0	18	28.7	85
Kobelco	CK1100G	100@3.3	2.3 @ 50.3	58	12.2/61.0	18	28.7	110
Kobelco	CK1200G	109@3.6	1.6 @ 53.3	67	15.2/70.1	27	23.3	120
Kobelco	CK1600G	145@4.6	1.8 @ 61.0	73	15.2/76.2	53	21.7	160
Kobelco	CK2000II	181 @ 3.7	2.1 @ 71.6	82	15.2/85.3	52	18.3	200
Kobelco	SL4500	400@5.4	42.9 @ 74.0	96.6	24.0/96.0	66	16.7	440
Kobelco	SL6000	550@8.3	21.7 @ 111.3	125.8	24.0/126.0	84	16.7	600
Kobleco	CK2750G	250@4.6	2.3 @ 74.0	88	15.2/91.4	61	16.7	275
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	2,600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3,000
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 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
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35
Liebherr	HS 8040 HD Duty Cycle	44	1.2@36	45	18568	50	30.8	48
Liebherr	HS 8050 HD Duty Cycle	50	1.2@50	47	18568	50	1.15	55
Liebherr	HS 8070 HD Duty Cycle	65	1.1@46	54	20760	56	25	77
Liebherr	HS 8100 HD Duty Cycle	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 HD Duty Cycle	120	0.5@50	72	14/53	74	21.66	150
Liebherr	HS 895 HD Duty Cycle	200	2.7@72	82	20/84	84	23.33	220
Liebherr	HS 8300 HD Duty Cycle	300	2.9@60	72	20/68	68	25	330
Link-Belt	108 Hylab 5	50	0.9@36.7	40.3	12.19/42.67	15.24	32.2	56
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	31.2@140	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		Boom Length			Capacity US Tons	
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Hook Height (m)	Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)		Maximum Travel Speed (m/min)
Link-Belt	298 HSL Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Link-Belt	348 Hylab 5	272	1.2@100.6	132.6	21.3/108.2	42.7	26.6	300
Link-Belt	548	500	5.3@91.4	110.7	24/108	103	26.6	500
Manitowoc	8500-1	80	1.2 @ 51.8	73.1	12.2/61.0	9.14	28.3	85
Manitowoc	11000-1	100	2.3 @ 50.3	76.2	12.2/61.0	9.14	28.3	110
Manitowoc	12000-1	120	1.6 @ 53.3	70.1	15.2/70.1	3	23.3	120
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	21.3	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	2250	272	2.7 @ 100	91.4	21/101	12.2	26.8	300
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	21000	907	18.7 @ 76	91.4	37/122	91.4	18.3	1,000
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
SANY America	SCC8068	68	1.3@58	64	13/67	18	25	75
SANY America	SCC8100	100	1.3@58	64	13/67	18	33	110
SANY America	SCC8100-2	100	1.3@58	77	13/70	22.5	33	110
SANY America	SCC8150	150	1.7t@85	97	18/82	31	23	165
SANY America	SCC8200	200	3.1t@76	99	16/86	51	25	220
SANY America	SCC8260	260	2@88	124	17/92	63	20	286
SANY America	SCC8300	300	4.4@88	126	20/92	66	21	330
SANY America	SCC8500	500	8.6@73	110	24/108	39	25	550
SANY America	SCC4000A	400	13@104	165	24/84	87	20	440
SANY America	SCC5000A	500	20.4@108	165	24/84	84	20	550
SANY America	SCC6500A	650	44t@112	190	24/96	96	16	715
Terex	HC 230	208	1.8@85.3	105	18.2 / 97.5	12.1	14.66	230
Terex	HC 80	80	1.5@51.8	72	12.2 / 70.1	18.3	33.33	80
Terex	HC 110-1	110	0.9@61	84	15.2 / 82.3	21	23.33	110
Terex	HC 165	165	0.8@76.2	94	15.2 / 94.5	24.4	14.66	165
Terex	HC 285	250	2.2@85.3	114	21.3 / 111.3	29	14.66	275

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Load at		Boom Length			Capacity US Tons	
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Hook Height (m)	Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)		Maximum Travel Speed (m/min)
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35
Liebherr	HS 8040 HD Duty Cycle	44	1.2@36	45	18/56	50	30.8	48
Liebherr	HS 8050 HD Duty Cycle	50	1.2@50	47	18/56	50	1.15	55
Link-Belt	108 Hylab 5	50	0.9@36.7	40.3	12.19/42.67	15.24	32.2	56
SANY America	SCC8068	68	1.3@58	64	13/67	18	25	75
Liebherr	HS 8070 HD Duty Cycle	65	1.1@46	54	20/70	56	25	77
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Terex	HC 80	80	1.5@51.8	72	12.2 / 70.1	18.3	33.33	80
Kobelco	CK850G	77@3.0	1.2 @ 51.8	58	12.2/61.0	18	28.7	85
Manitowoc	8500-1	80	1.2 @ 51.8	73.1	12.2/61.0	9.14	28.3	85
Global Crane Sales Zoomlion	QUY80	80@4	4.2@32	55	13/58	fj-18	1.68	88
Global Crane Sales Zoomlion	ZCC1100H	100@3.2	1.2@55	67	13/67	fj-18	1.26	110
Kobelco	CK1100G	100@3.3	2.3 @ 50.3	58	12.2/61.0	18	28.7	110
Liebherr	HS 8100 HD Duty Cycle	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	11000-1	100	2.3 @ 50.3	76.2	12.2/61.0	9.14	28.3	110
SANY America	SCC8100	100	1.3@58	64	13/67	18	33	110
SANY America	SCC8100-2	100	1.3@58	77	13/70	22.5	33	110

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Load at			Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)	Maximum Hook Height (m)	Minimum/Maximum (m/m)	Maximum Main Boom Extension (m)		
Terex	HC 110-1	110	0.9@61	84	15.2 / 82.3	21	23.33	110
Kobelco	CK1200G	109@3.6	1.6 @ 53.3	67	15.2/70.1	27	23.3	120
Manitowoc	12000-1	120	1.6 @ 53.3	70.1	15.2/70.1	3	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
Global Crane Sales Zoomlion	QUY130	130@4.5	1.8@61	71	19/73	fj-31	1.3	143
Liebherr	HS 8130 HD Duty Cycle	120	0.5@50	72	14/53	74	21.66	150
Link-Belt	238 HSL	136	31.2@140	93.9	15.2/79.3	24.4	26.8	150
Kobelco	CK1600G	145@4.6	1.8 @ 61.0	73	15.2/76.2	53	21.7	160
SANY America	SCC8150	150	1.7t@85	97	18/82	31	23	165
Terex	HC 165	165	0.8@76.2	94	15.2 / 94.5	24.4	14.66	165
Global Crane Sales Zoomlion	QUY160	160@5	2.2@70	82	20/83	fj-31.lf-51	1.2	176
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	21.3	51.7	181
Global Crane Sales Zoomlion	QUY180	180@5	2.0@72	82	20/83	fj-31.lf-51	1.2	198
Kobelco	CK2000II	181 @ 3.7	2.1 @ 71.6	82	15.2/85.3	52	18.3	200
Link-Belt	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Global Crane Sales Zoomlion	QUY200	200@5	2.1@72	82	20/83	fj-30.lf-51	0.98	220
Liebherr	HS 895 HD Duty Cycle	200	2.7@72	82	20/84	84	23.33	220
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
SANY America	SCC8200	200	3.1t@76	99	16/86	51	25	220
Link-Belt	298 HSL Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Terex	HC 230	208	1.8@85.3	105	18.2 / 97.5	12.1	14.66	230
Kobelco	CK2750G	250@4.6	2.3 @ 74.0	88	15.2/91.4	61	16.7	275
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Terex	HC 285	250	2.2@85.3	114	21.3 / 111.3	29	14.66	275
Global Crane Sales Zoomlion	QUY260	260@5	2@82	94	20/83	fj-30.lf-60	1	286
SANY America	SCC8260	260	2@88	124	17/92	63	20	286
Link-Belt	348 Hylab 5	272	1.2@100.6	132.6	21.3/108.2	42.7	26.6	300
Manitowoc	2250	272	2.7 @ 100	91.4	21/101	12.2	26.8	300
Liebherr	HS 8300 HD Duty Cycle	300	2.9@60	72	20/68	68	25	330
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
SANY America	SCC8300	300	4.4@88	126	20/92	66	21	330
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Global Crane Sales Zoomlion	QUY350	350@5/(SL350@30)	7.8@70	82	18/84(LD120)	fj-12.lj-66	1.2	385
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400
Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Kobelco	SL4500	400@5.4	42.9 @ 74.0	96.6	24.0/96.0	66	16.7	440
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
SANY America	SCC4000A	400	13@104	165	24/84	87	20	440
Global Crane Sales Zoomlion	QUY450	400@6/(SL450@6.5)	4@72	82	24/84(LD126)	fj-36.lj-84	1.6	495
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Link-Belt	548	500	5.3@91.4	110.7	24/108	103	26.6	500
Global Crane Sales Zoomlion	QUY500W	400@6/(SL500@9)	4@72	82	24/84(LD126)	fj-36.lj-84	0.87	550
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	27.5	550
SANY America	SCC8500	500	8.6@73	110	24/108	39	25	550
SANY America	SCC5000A	500	20.4@108	165	24/84	84	20	550
Kobelco	SL6000	550@8.3	21.7 @ 111.3	125.8	24.0/126.0	84	16.7	600
Demag	CC 2800-1	600	4@142	192	24 / 180	102	20	660
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
Demag	CC 3800-1	650	5.5@160	192	24 / 192	96	20	715
Demag	PC 3800-1	650	6.8@154	192	24 / 192	96	on outriggers	715
SANY America	SCC6500A	650	44t@112	190	24/96	96	16	715
Global Crane Sales Zoomlion	QUY650	650@6/(SL650@6.5)	11@66	82	24/84(LD138)	fj-36.lj-96	0.6/0.98	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
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000

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)		
Manitowoc	21000	907	18.7 @ 76	91.4	37/122	91.4	18.3	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
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
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
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		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)		
Grove	GHC30	12.9	0.6 @ 25.2	40.2	10/25.2	13	50	30
Grove	GHC75	70	2.4 @32	52.7	11.0/36	15	45	75
Grove	GHC50	45	2.2 @26	45.4	9.4/30.4	13	41.5	50
Grove	GHC55	50	2.2 @26	45.4	9.4/30.4	13	41.5	55
Grove	GHC130	120	5.1 @36	70	12.6/40.2	27	41.5	132
Liebherr	LTR 1220	220	0.8@88	101	13.3/60	43	41.7	250
Liebherr	LTR 1100	100@2.5	1@60	83	11.5/52	19	46.7	110
Liebherr	LTR 1060	60@2	0.5@50	54.5	10.2/40	16	50	65
Link-Belt	TCC-500	51	0.6@44	50.44	10.8/33.8	15.6	53.3	50
Link-Belt	TCC-750	70	1.9@32	53.3	11.8/35.2	n/s	33.3	50
Link-Belt	TCC-1100	100	10.2@140	64.3	12.2/45.7	n/s	53.3	110
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	n/s	42.9	250
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	n/s	53.3	140
Tadano Mantis	6010	27	1.3@22	24.4	10/24.4	12.2	70	30
Tadano Mantis	6010LP	27	1.3@22	24.4	10/24.4	12.2	70	30
Tadano Mantis	GTC-300EX	27	1.3@22	24.4	10/24.4	12.2	70	30
Tadano Mantis	GTC-350	35	1.4@24.4	27	10.9/27.2	12.8	65	35
Tadano Mantis	9010	40	0.5@30.5	32.3	10.4/32	15.2	35	45
Tadano Mantis	GTC-400EX	40	0.4@30	32.3	10.4/32	15.2	35	45
Tadano Mantis	10010MX	45	0.5@32	34.1	11.4/34	15.2	35	50
Tadano Mantis	GTC-600	60	2.0@32	36	11.5/36	17.7	63	66
Tadano Mantis	15010	70	2.0@32	34.1	11.4/34	15.2	53	77
Tadano Mantis	GTC-700EX	70	1.8@32	34.1	11.4/34	15.2	53	77
Tadano Mantis	GTC-800	80	2.2@39.6	43.1	11.5/43	17.7	57	88
Tadano Mantis	GTC-1200	120	1.8 @ 44.2	47.7	12.8/47.2	32	43	130

TELESCOPIC CRAWLERS BY CAPACITY

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity
		Load @ 3m (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/Maximum (m/m)	Main Boom Extension (m)	Travel Speed (m/min)	
Grove	GHC30	12.9	0.6 @ 25.2	40.2	10/25.2	13	50	30
Tadano Mantis	6010	27	1.3@22	24.4	10/24.4	12.2	70	30
Tadano Mantis	6010LP	27	1.3@22	24.4	10/24.4	12.2	70	30
Tadano Mantis	GTC-300EX	27	1.3@22	24.4	10/24.4	12.2	70	30
Tadano Mantis	GTC-350	35	1.4@24.4	27	10.9/27.2	12.8	65	35
Tadano Mantis	9010	40	0.5@30.5	32.3	10.4/32	15.2	35	45
Tadano Mantis	GTC-400EX	40	0.4@30	32.3	10.4/32	15.2	35	45
Grove	GHC50	45	2.2 @26	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
Link-Belt	TCC-750	70	1.9@32	53.3	11.8/35.2	n/s	33.3	50
Tadano Mantis	10010MX	45	0.5@32	34.1	11.4/34	15.2	35	50
Grove	GHC55	50	2.2 @26	45.4	9.4/30.4	13	41.5	55
Liebherr	LTR 1060	60@2	0.5@50	54.5	10.2/40	16	50	65
Tadano Mantis	GTC-600	60	2.0@32	36	11.5/36	17.7	63	66
Grove	GHC75	70	2.4 @32	52.7	11.0/36	15	45	75
Tadano Mantis	15010	70	2.0@32	34.1	11.4/34	15.2	53	77
Tadano Mantis	GTC-700EX	70	1.8@32	34.1	11.4/34	15.2	53	77
Tadano Mantis	GTC-800	80	2.2@39.6	43.1	11.5/43	17.7	57	88
Liebherr	LTR 1100	100@2.5	1@60	83	11.5/52	19	46.7	110
Link-Belt	TCC-1100	100	10.2@140	64.3	12.2/45.7	n/s	53.3	110
Tadano Mantis	GTC-1200	120	1.8 @ 44.2	47.7	12.8/47.2	32	43	130
Grove	GHC130	120	5.1 @36	70	12.6/40.2	27	41.5	132
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	n/s	53.3	140
Liebherr	LTR 1220	220	0.8@88	101	13.3/60	43	41.7	250
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	n/s	42.9	250

MEGA CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Capacity	Capacity
		Load (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/Maximum (m/m)	Metric tons	
ALE	AL.SK350	5,000	n/s	n/s	n/s	5000	6,600
ALE	AL.SK190	4,300	n/s	n/s	n/a	4,300	4,739
Bigge Crane and Rigging	Bigge145D	6820	390t @ 203	220m (with fixed jib)	91m minimum	6820	7,500
Bigge Crane and Rigging	Bigge160D	6820	545t @ 203	220m (with fixed jib)	91m minimum	6820	7,500
Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	n/s	3,525
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	n/s	2,600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	n/s	3,000
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	2680	3,000
Liebherr	LR 13000	3,000	29@200	245	60/144	3000	3,300
Mammoet	PTC 200 DS	4500	88 @ 207	240	83/246	4500	5,000
Manitowoc	31000	2300	54.5 @ 150	42	55/150	2300	2,535
Sarens	SGC-140	3,150	200t @ 200	212m (w/ Jib)	89m Minimum	3150	3,465
Sarens	SGC-120	3,150	150t @ 200	212m (w/ Jib)	89m Minimum	3150	3,465

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
Manitowoc	31000	2300	54.5 @ 150	42	55/150	2300	2,535
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	n/s	2,600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	n/s	3,000
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	2680	3,000
Liebherr	LR 13000	3,000	29@200	245	60/144	3000	3,300
Sarens	SGC-140	3,150	200t @ 200	212m (w/ Jib)	89m Minimum	3150	3,465
Sarens	SGC-120	3,150	150t @ 200	212m (w/ Jib)	89m Minimum	3150	3,465
Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	n/s	3,525
ALE	AL.SK190	4,300	n/s	n/s	n/a	4,300	4,739
Mammoet	PTC 200 DS	4500	88 @ 207	240	83/246	4500	5,000
ALE	AL.SK350	5,000	n/s	n/s	n/s	5000	6,600
Bigge Crane and Rigging	Bigge145D	6820	390t @ 203	220m (with fixed jib)	91m minimum	6820	7,500
Bigge Crane and Rigging	Bigge160D	6820	545t @ 203	220m (with fixed jib)	91m minimum	6820	7,500

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 power requirement (kW)	Max jib angle (°)
Favelle Favco	M220D	30	30@10	3.0@53	n/s	27/55	210	n/s	56	n/s	85
Favelle Favco	M440D	50	50@13	2.7@65	n/s	36/69	158	n/s	56	n/s	85
Favelle Favco	M760D	64	64@15	6.5@67	n/s	36/69	122	n/s	56	n/s	85
Favelle Favco	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	n/s	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	n/s	85
FM Gru	LK 12.40	6	6.0@n/s	1.2@40.0	78	20	120	n/s	n/s	n/s	n/s
FM Gru	LK 20.50	12	12.0@n/s	2.0@50.0	88	20	160	n/s	n/s	n/s	n/s
FM Gru	LK 100.40	20	20.0@n/s	10.0@40.0	80	26	180	n/s	n/s	n/s	n/s
FM Gru	LK 50.60	24	24.0@n/s	5.0@60.0	100	30	220	n/s	n/s	n/s	n/s
FM Gru	LK 50.75	30	30.0@n/s	5.0@75.0	110	n/s	30	n/s	n/s	n/s	n/s
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	0	75.3	46.6	
Jaso	J118HPA (Hydraulic)	6	6.0@25.1	1.6@45	452	30	80	0	68	44.7	
Jaso	J168HPA (Hydraulic)	6	6.0@30.0	2.5@50	434	30	80	0	70.1	47.2	n/s
Jaso	J80PA-RC	8	8.0@14.2	2.75@30.5	800	25.5	76	0	na	51.8	
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	0	66.3	76.4	
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	0	67.3	128.6	n/s
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	0	72.1	165.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	0	72.1	165.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	0	74.3	199.6	
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	0	72.6	199.6	
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	0	74.3	221.6	
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	0	74.3	199.6	
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	0	74.3	199.6	
Jaso	J780PA	75	75@16.6	5.7@70	1000	30	310	0	62	360	
Jost Cranes	JTL 68.4	4	4@ 20	1.5@ 40	n/s	25	124	15	100	n/s	87
Jost Cranes	JTL 78.4	4	4@ 22	1.6@ 40	n/s	25	200	33	100	n/s	87
Jost Cranes	JTL 98.4	4	4@ 22	1.5@ 45	n/s	30	200	33	100	n/s	87
Jost Cranes	JTL 78.6	6	6@ 14.6	1.5@ 40	n/s	25	184	17	100	n/s	87
Jost Cranes	JTL 98.6	6	6@ 15	1.4@ 45	n/s	30	184	17	100	n/s	87
Jost Cranes	JTL 108.6	6	6@ 20	1.6@ 45	n/s	30	124	11	100	n/s	87
Jost Cranes	JTL 118.6	6	6@ 20	1.8@ 45	n/s	30	184	17	100	n/s	87
Jost Cranes	JTL 158.6	6	6@27	2.4@ 50	n/s	27.3	124	11	100	n/s	87
Jost Cranes	JTL 118.8	8	8@15.9	1.7@ 45	n/s	30	188	21	100	n/s	87
Jost Cranes	JTL 168.8	8	8@ 21.7	2.0@ 50	n/s	27.3	188	21	100	n/s	87
Jost Cranes	JTL 168.10	10	10@ 17.3	2.3@ 50	n/s	27.3	158	20	100	n/s	87
Jost Cranes	JTL 208.12	12	12@ 19.7	2.6@ 55	n/s	30	110	12	100	n/s	87
Jost Cranes	JTL 218.12	12	12@ 19.4	3.3@ 50	n/s	30	188	12	100	n/s	87
Jost Cranes	JTL 268.12	12	12@ 23	3.4@ 55	n/s	30	188	15	100	n/s	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 power requirement (kW)	Max jib angle (°)
Jost Cranes	JTL 318.12	12	12@ 25	4.5@ 55	n/s	30	188	15	100	n/s	87
Jost Cranes	JL 226.12	12	12@ 20.4	2.2@ 60	n/s	30	188	15	100	n/s	87
Jost Cranes	JL 266.12	12	12@ 20.4	3.1@ 60	n/s	30	188	15	100	n/s	87
Jost Cranes	JTL 268.16	16	16@ 17.5	3.3@ 55	n/s	30	146	21	100	n/s	87
Jost Cranes	JTL 318.16	16	16@ 20	4.4@ 55	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 226.16	16	16@ 15.4	2.1@ 60	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 256.16	16	16@ 18.5	3.1@ 60	n/s	30	140	15	100	n/s	87
Jost Cranes	JL 266.16	16	16@ 18.3	3.0@ 60	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 316.16	16	16@ 22.1	4.0@ 60	n/s	30	140	15	100	n/s	87
Jost Cranes	JL 326.16	16	16@ 22	4.0@ 60	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 366.16	16	16@ 25.3	4.4@ 60	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 326.20	20	20@ 17.7	3.9@ 60	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 366.20	20	20@ 20.3	4.3@ 60	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 426.20	20	20@ 24.2	5.5@ 60	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 526.20	20	20@ 29	5.3@ 65	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 416.24	24	24@ 20.3	5.1@ 60	n/s	30	130	16	100	n/s	87
Jost Cranes	JL 426.24	24	24@ 20.1	5.3@ 60	n/s	30	172	15	100	n/s	87
Jost Cranes	JL 526.24	24	24@ 24	5.1@ 65	n/s	30	172	15	100	n/s	87
Jost Cranes	JL 626.24	24	24@ 30	7.0@ 65	n/s	30	172	15	100	n/s	87
Jost Cranes	JL 616.32	32	32@ 23.2	9.1@ 60	n/s	30	134	17	100	n/s	87
Jost Cranes	JL 626.32	32	32@ 22.6	6.8@65	n/s	30	188	21	100	n/s	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	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	79.4	n/s	n/s
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	76.5	n/s	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.7	n/s	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.9	n/s	n/s
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	76.5	n/s	n/s
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.7	n/s	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	213	0	64.9	n/s	n/s
Liebherr	710 HC-L 25/50 Litronic	50	50@21.4	7.6@65.0	1161	30 to 65	238	0	74.8	n/s	n/s
Liebherr	710 HC-L 32/64 Litronic	64	65@16.4	7.2@65.0	1067	30 to 65	194	0	74.8	n/s	n/s
Linden Comansa	LCL 165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	168	87
Linden Comansa	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	168	87
Linden Comansa	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	168	87
Linden Comansa	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	243	87
Linden Comansa	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	243	87
Linden Comansa	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	168	87
Linden Comansa	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	243	87
Linden Comansa	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	243	87
Linden Comansa	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	180	0	53.2	243	87
Linden Comansa	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	180	0	59	243	87
Linden Comansa	LCL 500 24t	24	24 @ 20	4.7 @ 65	570	30 to 65	180	0	68.3	306	87
Linden Comansa	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	306	87
Linden Comansa	LCL 700 50t	50	50 @ 20	7.5 @ 65	1270	30 to 65	170	0	69.8	340	87
Linden Comansa	LCL 700 64t	64	64 @ 15	7.2 @ 65	1030	30 to 65	134	0	69.8	340	87
Potain	MR 90 C	8	8@18.1	1.6@45	n/s	30	118	n/s	62.8	n/s	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	188	n/s	61.1	n/s	86
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	139	n/s	62.5	n/s	86
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	245	n/s	70.4	n/s	86
Potain	MR 418	24	24@20	5@60	n/s	30	254	n/s	89.4	n/s	86
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	n/s	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	n/s	85
Potain	MR 295 H16	16	16 @ 23.4	2.8 @ 60	n/s	30	248	n/s	70.4	n/s	86
Raimondi Cranes	LR60	5	15@5	1430@37	30.7	24	90	4	26.6	160	85
Raimondi Cranes	LR165	12	22@12	1.95 @ 55	49.1	28	104	4	45	300	85
Raimondi Cranes	LR213	14	18@14	1.75 @55	49.1	28	104	4	45	300	85
Recom	RTL265	18	18@18.57	2.3@60	850	30	275	0	81.4	210	85
Recom	RTL315	20	20@20.95	2@65	550	30	210	0	81.4	250	85

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 power requirement (kW)	Max jib angle (°)
Recom	RTL455	25	25@20.51	5.5@60	850	35	220	0	66.4	270	85
Saez	SLH 80 (Hydraulic)	5	5@20	1@45	175	20	90	n/s	85.4	n/s	85
Saez	SLH 110 (Hydraulic)	6	6@20	1.6@45	175	20	90	n/s	85.4	n/s	85
Saez	SLH 190 (Hydraulic)	8	8@20	3@50	175	20	90	n/s	85.4	n/s	85
Saez	SL 240	16	16@18.5	2.3@60	300	30	159	n/s	72.4	n/s	85
Saez	SL 320	18	18@22.6	3.2@60	300	30	159	n/s	66.4	n/s	85
Saez	SL 450	24	24@24.4	4.5@65	360	30	143	n/s	66.4	n/s	85
Terex	CTL 140-10	10	10@18.3	1.7	425	30/50	120	0	50.35	n/s	85
Terex	CDK 100-16	16	16@9.56	3.2	n/s	16.5/30.3	59	0	n/s	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2	425	30/55	145	0	72.4	n/s	85
Terex	CTL 260-18	18	18@18.7	3.1	470	30/55	130	0	72.4	n/s	85
Terex	CTL 340-24	24	24@15.8	4	515	35/60	130	0	66.4	n/s	85
Terex	CTL 430-24	24	24@21.3	5.5	515	35/60	160	0	66.4	n/s	85
Terex	CTL 630B-32	32	32@23.2	6.7	495	35/65	202	0	76	n/s	85
Terex	CTL 650F-45	45	45@15.5	7	910	35/65	277	0	76	n/s	85
Terex	CTL 1600-66	66	66@27.6	16	960	40/75	185	0	89	n/s	85
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	94	87
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	27	200	n/s	100	140	87
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	310	87
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	310	87
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	450	87
Wilbert	WT 2405L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	450	87
Wolffkran	WOLFF 100 B	6	6.0@24.0	2.0@45.0	380	30/45	120	30	96.7	70	n/s
Wolffkran	WOLFF 166 B	12	12@21	1.8@55	500	20/55	174	25	93.2	87	n/s
Wolffkran	WOLFF 275 B	24	24@16.1	2.4@60.0	700	30/60	222	16	82.2	194	n/s
Wolffkran	WOLFF 355 B	28	28@18.0	4@60.0	920	30/60	185	40	83.2	194	n/s
Wolffkran	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	241	n/s
Wolffkran	WOLFF 700 B	50	50@15.6	5.4@70.0	990	30/70	190	33	65.2	241	n/s
Wolffkran	WOLFF 1250 B	60	60@25.0	11@80.0	990	40/80	190	11	90	194	n/s

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 power requirement (kW)	Max jib angle (°)
Jost Cranes	JTL 68.4	4	4@20	1.5@40	n/s	25	124	15	100	n/s	87
Jost Cranes	JTL 78.4	4	4@22	1.6@40	n/s	25	200	33	100	n/s	87
Jost Cranes	JTL 98.4	4	4@22	1.5@45	n/s	30	200	33	100	n/s	87
Raimondi Cranes	LR60	5	15@5	1430@37	30.7	24	90	4	26.6	160	85
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	0	75.3	46.6	
Saez	SLH 80 (Hydraulic)	5	5@20	1@45	175	20	90	n/s	85.4	n/s	85
FM Gru	LK 12.40	6	6.0@	1.2@40	78	20	120	n/s	n/s	n/s	n/s
Jaso	J118HPA (Hydraulic)	6	6.0@25.1	1.6@45	452	30	80	0	68	44.7	
Jaso	J168HPA (Hydraulic)	6	6.0@30.0	2.5@50	434	30	80	0	70.1	47.2	n/s
Jost Cranes	JTL 78.6	6	6@14.6	1.5@40	n/s	25	184	17	100	n/s	87
Jost Cranes	JTL 98.6	6	6@15	1.4@45	n/s	30	184	17	100	n/s	87
Jost Cranes	JTL 108.6	6	6@20	1.6@45	n/s	30	124	11	100	n/s	87
Jost Cranes	JTL 118.6	6	6@20	1.8@45	n/s	30	184	17	100	n/s	87
Jost Cranes	JTL 158.6	6	6@27	2.4@50	n/s	27.3	124	11	100	n/s	87
Saez	SLH 110 (Hydraulic)	6	6@20	1.6@45	175	20	90	n/s	85.4	n/s	85
Wolffkran	WOLFF 100 B	6	6.0@24.0	2.0@45.0	380	30/45	120	30	96.7	70	n/s
Jaso	J80PA-RC	8	8.0@14.2	2.75@30.5	800	25.5	76	0	na	51.8	
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	0	66.3	76.4	
Jost Cranes	JTL 118.8	8	8@15.9	1.7@45	n/s	30	188	21	100	n/s	87
Jost Cranes	JTL 168.8	8	8@21.7	2.0@50	n/s	27.3	188	21	100	n/s	87
Linden Comansa	LCL 165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	168	87
Potain	MR 90 C	8	8@18.1	1.6@45	n/s	30	118	n/s	62.8	n/s	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 power requirement (kW)	Max jib angle (°)
Saez	SLH 190 (Hydraulic)	8	8@20	3@50	175	20	90	n/s	85.4	n/s	85
Jost Cranes	JTL 168.10	10	10@17.3	2.3@50	n/s	27.3	158	20	100	n/s	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	188	n/s	61.1	n/s	86
Terex	CTL 140-10	10	10@18.3	1.7	425	30/50	120	0	50.35	n/s	85
Raimondi Cranes	LR165	12	22@12	1.95 @ 55	49.1	28	104	4	45	300	85
FM Gru	LK 20.50	12	12.0@n/s	2.0@50	88	20	160	n/s	n/s	n/s	n/s
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	0	67.3	128.6	n/s
Jost Cranes	JTL 208.12	12	12@19.7	2.6@55	n/s	30	110	12	100	n/s	87
Jost Cranes	JTL 218.12	12	12@19.4	3.3@50	n/s	30	188	12	100	n/s	87
Jost Cranes	JTL 268.12	12	12@23	3.4@55	n/s	30	188	15	100	n/s	87
Jost Cranes	JTL 318.12	12	12@25	4.5@55	n/s	30	188	15	100	n/s	87
Jost Cranes	JL 226.12	12	12@20.4	2.2@60	n/s	30	188	15	100	n/s	87
Jost Cranes	JL 266.12	12	12@20.4	3.1@60	n/s	30	188	15	100	n/s	87
Linden Comansa	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	168	87
Linden Comansa	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	168	87
Linden Comansa	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	243	87
Linden Comansa	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	243	87
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	94	87
Wolffkran	WOLFF 166 B	12	12@21	1.8@55	500	20/55	174	25	93.2	87	n/s
Raimondi Cranes	LR213	14	18@14	1.75 @55	49.1	28	104	4	45	300	85
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	139	n/s	62.5	n/s	86
Potain	MR 295 H16	16	16 @ 23.4	2.8 @ 60	n/s	30	248	n/s	70.4	n/s	86
Jost Cranes	JTL 268.16	16	16@17.5	3.3@55mn/s	30	146	21	100	n/s	87	
Jost Cranes	JTL 318.16	16	16@20	4.4@55	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 226.16	16	16@15.4m	2.1@60m	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 256.16	16	16@18.5m	3.1@60m	n/s	30	140	15	100	n/s	87
Jost Cranes	JL 266.16	16	16@18.3m	3.0@60m	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 316.16	16	16@22.1m	4.0@60m	n/s	30	140	15	100	n/s	87
Jost Cranes	JL 326.16	16	16@22m	4.0@60m	n/s	30	146	21	100	n/s	87
Jost Cranes	JL 366.16	16	16@25.3m	4.4@60m	n/s	30	146	21	100	n/s	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	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	79.4	n/s	n/s
Saez	SL 240	16	16@18.5	2.3@60	300	30	159	n/s	72.4	n/s	85
Terex	CDK 100-16	16	16@9.56	3.2	n/s	16.5/30.3	59	0	n/s	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2	425	30/55	145	0	72.4	n/s	85
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	0	72.1	165.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	0	72.1	165.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	0	74.3	199.6	
Linden Comansa	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	168	87
Linden Comansa	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	243	87
Linden Comansa	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	243	87
Recom	RTL265	18	18@18.57	2.3@60	850	30	275	0	81.4	210	85
Saez	SL 320	18	18@22.6	3.2@60	300	30	159	n/s	66.4	n/s	85
Terex	CTL 260-18	18	18@18.7	3.1	470	30/55	130	0	72.4	n/s	85
FM Gru	LK 100.40	20	20.0@n/s	10.0@40.0	80	26	180	n/s	n/s	n/s	n/s
Jost Cranes	JL 326.20	20	20@17.7m	3.9@60m	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 366.20	20	20@20.3m	4.3@60m	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 426.20	20	20@24.2m	5.5@60m	n/s	30	154	16	100	n/s	87
Jost Cranes	JL 526.20	20	20@29m	5.3@65m	n/s	30	154	16	100	n/s	87
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	245	n/s	70.4	n/s	86
Recom	RTL315	20	20@20.95	2@65	550	30	210	0	81.4	250	85
FM Gru	LK 50.60	24	24.0@n/s	5.0@60.0	100	30	220	n/s	n/s	n/s	n/s
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	0	72.6	199.6	
Jost Cranes	JL 416.24	24	24@20.3m	5.1@60m	n/s	30	130	16	100	n/s	87
Jost Cranes	JL 426.24	24	24@20.1m	5.3@60m	n/s	30	172	15	100	n/s	87
Jost Cranes	JL 526.24	24	24@24m	5.1@65m	n/s	30	172	15	100	n/s	87
Jost Cranes	JL 626.24	24	24@30m	7.0@65m	n/s	30	172	15	100	n/s	87
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	76.5	n/s	n/s

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 power requirement (kW)	Max jib angle (°)
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.7	n/s	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.9	n/s	n/s
Linden Comansa	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	180	0	53.2	243	87
Linden Comansa	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	180	0	59	243	87
Linden Comansa	LCL 500 24t	24	24 @ 20	4.7 @ 65	570	30 to 65	180	0	68.3	306	87
Potain	MR 418	24	24@20	5@60	n/s	30	254	n/s	89.4	n/s	86
Saez	SL 450	24	24@24.4	4.5@65	360	30	143	n/s	66.4	n/s	85
Terex	CTL 340-24	24	24@15.8	4	515	35/60	130	0	66.4	n/s	85
Terex	CTL 430-24	24	24@21.3	5.5	515	35/60	160	0	66.4	n/s	85
Wolffkran	WOLFF 275 B	24	24@16.1	2.4@60.0	700	30/60	222	16	82.2	194	n/s
Recom	RTL455	25	25@20.51	5.5@60	850	35	220	0	66.4	270	85
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	76.5	n/s	n/s
Wolffkran	WOLFF 355 B	28	28@18.0	4@60.0	920	30/60	185	40	83.2	194	n/s
Favelle Favco	M220D	30	30@10	3.0@53	n/s	27/55	210	n/s	56	n/s	85
FM Gru	LK 50.75	30	30.0@n/s	5.0@75.0	110	n/s	30	n/s	n/s	n/s	n/s
Linden Comansa	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	306	87
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	0	74.3	221.6	
Jost Cranes	JL 616.32	32	32@23.2m	9.1@60m	n/s	30	134	17	100	n/s	87
Jost Cranes	JL 626.32	32	32@22.6m	6.8@65m	n/s	30	188	21	100	n/s	87
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.7	n/s	n/s
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	n/s	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	n/s	85
Terex	CTL 630B-32	32	32@23.2	6.7	495	35/65	202	0	76	n/s	85
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	27	200	n/s	100	140	87
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	0	74.3	199.6	
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	0	74.3	199.6	
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	213	0	64.9	n/s	n/s
Wolffkran	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	241	n/s
Terex	CTL 650F-45	45	45@15.5	7	910	35/65	277	0	76	n/s	85
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	310	87
Favelle Favco	M440D	50	50@13	2.7@65	n/s	36/69	158	n/s	56	n/s	85
Liebherr	710 HC-L 25/50 Litronic	50	50@21.4	7.6@65.0	1161	30 to 65	238	0	74.8	n/s	n/s
Linden Comansa	LCL 700 50t	50	50 @ 20	7.5 @ 65	1270	30 to 65	170	0	69.8	340	87
Wolffkran	WOLFF 700 B	50	50@15.6	5.4@70.0	990	30/70	190	33	65.2	241	n/s
Wolffkran	WOLFF 1250 B	60	60@25.0	11@80.0	990	40/80	190	11	90	194	n/s
Favelle Favco	M760D	64	64@15	6.5@67	n/s	36/69	122	n/s	56	n/s	85
Liebherr	710 HC-L 32/64 Litronic	64	65@16.4	7.2@65.0	1067	30 to 65	194	0	74.8	n/s	n/s
Linden Comansa	LCL 700 64t	64	64 @ 15	7.2 @ 65	1030	30 to 65	134	0	69.8	340	87
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	310	87
Terex	CTL 1600-66	66	66@27.6	16	960	40/75	185	0	89	n/s	85
Jaso	J780PA	75	75@16.6	5.7@70	1000	30	310	0	62	360	
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	450	87
Wilbert	WT 2405L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	450	87
Favelle Favco	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	n/s	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	n/s	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)	Max Power Requirement (kW)
FM Gru	TLX 1340	4	4.0@20.5	1.0@42.5	58.4	n/s	56	n/s	n/s	n/s
FM Gru	TLX 1345	4	4.0@24.0	1.0@47.5	58.4	n/s	56	n/s	n/s	n/s
FM Gru	TLX 1350	6	6.0@20.0	1.0@52.5	58.4	n/s	60	n/s	n/s	n/s
FM Gru	TLX 1355	6	6.0@20.0	1.3@55.0	58.4	n/s	60	n/s	n/s	n/s
FM Gru	TCK 1358 P6	6	6.0@22.0	1.4@58.0	67.2	n/s	60	n/s	n/s	n/s
FM Gru	TCK 1760 P6	6	6.0@26.0	1.0@65.0	67.2	n/s	100	n/s	n/s	n/s
FM Gru	TCK 1760 P8	8	8.0@16.0	1.0@65.0	67.2	n/s	60	n/s	n/s	n/s
FM Gru	TCK 1358 10	10	10.0@14.0	1.3@58.0	67.2	n/s	80	n/s	n/s	n/s
FM Gru	TCK 2560 P10	10	10.0@22.0	1.7@65.0	67.2	n/s	100	n/s	n/s	n/s
FM Gru	TCK 2560 P12	12	12.0@18.0	1.7@65.0	67.2	n/s	100	n/s	n/s	n/s
Jaso	J37NS	4	4.0@11.3	1.0@37.0	189	20.0/37.0	82	3	77	n/s
Jaso	J42NS	5	5.0@12.6	1.1@42.0	189	20.0/42.0	82	2.5	72.6	n/s
Jaso	J47NS	5	5.0@15.1	1.0@47.0	189	20.0/47.0	100	4	88.5	n/s
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6	n/s
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7	n/s
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	3	82.4	n/s
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	3	82.9	n/s
Jaso	J150.8.2R	8	8.0@22.7	1.4@65	352	27.5/65	160		81.5	
Jaso	J120.10	10	10.0@17.1	1.6@60	534	27.5/60	80		85.6	
Jaso	150.10	10	10.0@19.4	1.6@65	534	27.5/65	80		81.5	
Jaso	160.10	10	10.0@17.0	1.7@65	534	30/65	80	3	83.2	
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4	n/s
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4	n/s
Jaso	J 215	10	10.0@26.0	2.3@65	534	30/60	80	3.5	88.4	n/s
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	15	93.4	n/s
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	15	93.4	n/s
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	15	93.4	n/s
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	15	93.4	n/s
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145		90.7	
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115		90.7	
Jaso	J415	24	24.0@23.2	4.0@75	828	30/85	205		56.2	
Jaso	J420	24	24.0@23.2	2.5@85	828	30/85	205		80	
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331		80	
Jaso	J 600.24.A	24	24.0@28.0	5.1@80	436	34.5/80	185	14	86.4	n/s
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4	n/s
Jaso	J 720	36	36.0@22.0	5.2@80	409	34.5/80	110	14	86.4	n/s
Liebherr	71 EC-B 5 FR.tronic	5	5.00@16.9	1.00@50.0	260	20 to 50	123	0	45.7	n/s
Liebherr	85 EC-B 5 (2/4)	5	5.00@20.5	1.30@50	278	20 to 50	80	2	46.2	n/s
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	123	0	46.2	n/s
Liebherr	110 EC-B 6 FR.tronic	6	6.00@22.3	1.40@55.0	174	20 to 55	142	0	51.1	n/s
Liebherr	110 EC-B 6 (2/4)	6	6.00@22.2	1.35@55.0	149	20 to 55	58	3.1	51.1	n/s
Liebherr	130 EC-B 6 (2/4)	6	6.00@27.1	1.35@60	149	20 to 60	58	3.1	67.5	n/s
Liebherr	130 EC-B 8 FR.tronic	8	8.00@20.7	1.30@60.0	190	20 to 60	120	0	67.5	n/s
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	n/s
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	n/s
Liebherr	202 EC-B 10 Litronic	10	10.00@22.90	2.20@65	278	24.7 to 65	123	0	68.7	n/s
Liebherr	250 EC-B 12 Litronic	12	12.00@25.7	2.25@70.00	325	24.4 to 70	243	0	81.4	n/s
Liebherr	285 EC-B 12 Litronic	12	12.00@28.0	2.60@75.00	325	24.4 to 75	243	0	85.5	n/s
Liebherr	380 EC-B 12 Litronic	12	12.00@34.80	3.70@75.0	325	30 to 75	243	0	86.5	n/s
Liebherr	280 EC-H 12 Litronic	12	12.00@31.30	2.80@75.0	325	40 to 75	243	0	86.8	n/s
Liebherr	380 EC-B 16 Litronic	16	16.00@26.3	3.40@75.0	276	30 to 75	222	0	86.5	n/s
Liebherr	280 EC-H 16 Litronic	16	16.00@23.30	3.10@70.0	276	40 to 70	222	0	86.8	n/s
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41.5 to 81.5	172	0	86.9	n/s
Liebherr	550 EC-H 40 Litronic	40	40.00@18.30	4.00@81.5	520	40 to 81.5	172	0	85.5	n/s
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81.4	172	0	80	n/s
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34.5 to 81.4	172	0	88.4	n/s
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	40 to 81	86	0	79	n/s
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.40	334	36 to 81.4	140	0	80	n/s

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)	Max Power Requirement (kW)
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.10	11.00@81.40	334	34.5 to 81.4	140	0	85.5	n/s
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	334	40 to 81	70	0	79	n/s
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.40	226	48 to 81.4	94	0	91.8	n/s
Liebherr	3150 HC 60	60	60.00@50.70	32.00@80.0	226	39.2 to 80	94	0	96.5	n/s
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	60 to 96	136	0	67.6	n/s
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	24.6@31.5	195	31.5 to 36.5	257	0	110.8	n/s
Linden Comansa	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	3.1	75.9	29
Linden Comansa	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	3.1	75.9	29
Linden Comansa	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	3.1	70.9	30
Linden Comansa	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	3.1	70.9	30
Linden Comansa	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.4	75.9	29
Linden Comansa	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.4	75.9	29
Linden Comansa	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.4	70.9	30
Linden Comansa	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.4	70.9	30
Linden Comansa	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	3.2	68.5	46
Linden Comansa	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	3.2	108.8	62
Linden Comansa	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	158	5.3	68.5	46
Linden Comansa	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	240	5.3	108.8	62
Linden Comansa	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	345	4	103.3	77
Linden Comansa	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	345	4	103.3	77
Linden Comansa	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	200	4	104.8	66
Linden Comansa	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3	87
Linden Comansa	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3	87
Linden Comansa	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1	87
Linden Comansa	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	320	0	104.3	100
Linden Comansa	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	320	0	104.3	100
Linden Comansa	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	320	0	102.1	100
Linden Comansa	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9	128
Linden Comansa	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	244	0	98.9	128
Linden Comansa	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	240	0	110.8	136
Linden Comansa	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	240	0	110.7	136
Linden Comansa	21LC660 20t	20	20 @ 36.2	5.8 @ 84	640	40 / 84	240	0	105.3	136
Linden Comansa	21LC660 24t	24	24 @ 28.7	4.9 @ 84	725	40 / 84	180	0	117.8	162
Linden Comansa	21LC750 25t	25	25 @ 34.7	8.1 @ 80	785	40 / 80	202	0	98.2	180
Linden Comansa	21LC450 25t	25	25 @ 19.1	2.8 @ 80	790	40 / 80	166	0	109.3	156
Linden Comansa	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	166	0	103.7	156
Linden Comansa	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	725	40 / 80	294	0	108.3	300
Linden Comansa	30LC1450 32t	32	32 @ 50.5	16 @ 80	725	40 / 80	294	0	102.8	300
Linden Comansa	21LC660 36t	36	36 @ 19.9	4.9 @ 84	725	40 / 84	180	0	117.8	162
Linden Comansa	21LC750 37.5t	37.5	37.5 @ 25	8.1 @ 80	785	40 / 80	202	0	98.2	180
Linden Comansa	21LC660 48t	48	48 @ 15.8	4.4 @ 84	362.5	40 / 84	90	0	117.8	162
Linden Comansa	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	725	40 / 80	294	0	108.3	300
Linden Comansa	30LC1450 48t	48	48 @ 35.4	16 @ 80	725	40 / 80	294	0	102.8	300
Linden Comansa	21LC750 50t	50	50 @ 19.3	7.3 @ 80	785	40 / 80	101	0	98.2	180
Linden Comansa	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	362.5	40 / 80	148	0	108.3	300
Linden Comansa	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	362.5	40 / 80	148	0	102.8	300
Linden Comansa	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8	308
Potain	MCT 78	5	5 @ 15.2	1 @ 51	n/s	51	82	n/s	51	n/s
Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s	54.3	n/s
Potain	MDT139	6	6@24.8	1.9@55	n/s	55	163	n/s	56.4	n/s
Potain	MDT189	8	8@24.5	1.8@60m	n/s	60	121	n/s	73.8	n/s
Potain	MDT219 J8	8	8@29.2	1.95@65m	n/s	65	121	n/s	72	n/s
Potain	MDT219 J10	10	10@21.7	1.9@60m	n/s	65	100	n/s	72	n/s
Potain	MDT 249 J10	10	10@24.6	2.75@65m	n/s	65	117	n/s	56.3	n/s
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	117	n/s	74	n/s
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	116	n/s	71.2	n/s
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	162.5	n/s	74	n/s
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	162.5	n/s	75.6	n/s

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)	Max Power Requirement (kW)
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	162.5	n/s	100.7	n/s
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	116.5	n/s	97.3	n/s
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	245.5	n/s	94.5	n/s
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	192	n/s	94.5	n/s
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	192	n/s	84.9	n/s
Potain	MD 679 M25	25	25 @ 28.3	5.9 @ 80	n/s	80	192	n/s	94.3	n/s
Potain	MD 679 M40	40	40 @ 18	5.1 @ 80	n/s	80	162	n/s	92.7	n/s
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	97.5	n/s
Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	124	n/s	135.8	n/s
Potain	MD 2200	64	64@35	23.5@80	n/s	80	124	n/s	104.5	n/s
Potain	MD 3200	80	80@37	38.7@70	n/s	85	160	n/s	104.5	n/s
Potain	MCT 50	2.5	2.5 @ 20	1.1 @ 41	n/s	41	82	n/s	54.6	n/s
Potain	MCT 58	3	3@20.7	1.1@42	n/s	42	82	n/s	53.1	n/s
Potain	MCT 68	3	3@20	1.1@46	n/s	46	86	n/s	53.6	n/s
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	117	n/s	71.2	n/s
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	116	n/s	54.7	n/s
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	51	n/s
Saez	TL 50 5T	5	5@13.6	1.1@50	240	21/50	80		120	n/s
Saez	TL 55 5T	5	5@16.7	1.2@55	240	21/55	80		120	n/s
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114	n/s
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114	n/s
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114	n/s
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110	n/s
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100	n/s
Saez	TLS 80 24T	18	24@15.2	3.2@80	250	30/80	214		100	n/s
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26	n/s
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	45.75	n/s
Terex	CTT 132-6	6	6@27.66	1.4@60	155	30/60	80	0	55.3	n/s
Terex	CTT 162-8	8	8@23.06	1.5@65	255	30/65	101	0	67.2	n/s
Terex	CTT 182-8	8	8@25.69	2.0@65	255	35/65	135	0	67.2	n/s
Terex	CTT 191-10	10	10@21.58	2.0@65	265	30/65	95	0	61.3	n/s
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2	n/s
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.35	n/s
Terex	CTT 361-18	18	18@22.75	3.4@75	460	30/75	190	0	84	n/s
Terex	CTT 361-20	20	20@20.69	3.4@75	495	30/75	190	0	84	n/s
Terex	CTT 472-20	20	20@25.02	3.70@80	495	30 / 80	190	0	90.24	n/s
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	85.2	n/s
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	65.5	n/s
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2	n/s
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	85.2	n/s
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	65	n/s
Terex	CTT 721-40	40	40@18	3.4@80	239	39/84	146	0	79.4	n/s
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6	50
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5	58
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100	65
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8	118
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8	118
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5	120
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7	128
Wolffkran	WOLFF 4517 city	6	6@17.3	1.7@45	100	25/50	55	15	59.5	26
Wolffkran	WOLFF 5014	6	6@17.7	1.4@50	190	25/50	108	24	n/s	34
Wolffkran	WOLFF 5020.6	6.2	6.2@20	2@50	190	25/55	52	23	108.2	59
Wolffkran	WOLFF 6015.6	6.2	6.2@25.9	1.5@60	190	25/60	52	23	108.2	47
Wolffkran	WOLFF 6531.6	6.2	6.2@45.7	3.7@65	460	30/65	230	56	94.7	96
Wolffkran	WOLFF 6023.6	6.6	6.2@35.5	2.3@60	52	25/60	52	23	103.7	47
Wolffkran	WOLFF 5020.8	8.5	8.5@17.9	2@50	190	25/55	115	26	108.2	59
Wolffkran	WOLFF 6015.8	8.5	18.5@19.6	1.5@60	190	25/60	115	26	108.2	62
Wolffkran	WOLFF 6023.8	8.5	8.5@26.6	2.3@60	190	25/60	170	42	103.7	90

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)	Max Power Requirement (kW)
Wolffkran	WOLFF 6031.8	8.5	8.5@30.5	3.1@60	190	30/65	170	42	103.7	96
Wolffkran	WOLFF 7032.8	8.5	8.5@37.9	3.2@70	460	25/70	185	44	103.7	90
Wolffkran	WOLFF 6531.8	8.5	8.5@37	3.7@65	190	30/65	115	26	94.7	68
Wolffkran	WOLFF 8033.8	8.5	8.5@55	3.3@80	460	30/80	185	44	85.2	97
Wolffkran	WOLFF 7534.8	8.5	8.5@43.6	3.4@75	460	30/75	185	44		95
Wolffkran	WOLFF 6031.12	12	12@21.5	2.8@60	460	30/65	170	29	103.3	96
Wolffkran	WOLFF 7032.12	12	12@27.3	3.2@70	460	25/70	185	31	103.3	90
Wolffkran	WOLFF 6531.12	12	12@26.2	3.3@65	460	30/65	230	29	94.3	96
Wolffkran	WOLFF 7532.12	12	12@32.6	3.4@75	460	30/75	230	29	89.8	96
Wolffkran	WOLFF 7532.16	16	16@23	3.3@75	260	30/75	170	21	89.8	96
Wolffkran	WOLFF 7534.16	16.5	16.5@24	3.0@75	460	30/75	185	23		95
Wolffkran	WOLFF 8033.16	16.5	16.5@29.5	2.9@80	460	30/80	185	44	84.8	97
Wolffkran	WOLFF 9025	20	20@24.4	2.5@90	400	30/90	125	18	84.7	98
Wolffkran	WOLFF 8033.20	20	20@24.5	2.6@80	400	30/80	190	28	85.2	125
Wolffkran	WOLFF 8540.20	20	20@30.7	4@85	400	30/85	125	18	88.2	121
Wolffkran	WOLFF 6071	20	20@31.8	7.1@60	400	30/60	125	18	88.2	98
Wolffkran	WOLFF 8060.25	25	25@30	6@80	400	30/80	159	22	74.7	131
Wolffkran	WOLFF 8540.40	40	40@15.6	2.2@85	400	30/85	125	18	82.2	121
Wolffkran	WOLFF 8060.50	50	50@15.2	4.2@80	400	30/80	159	11	68.7	131
Zoomlion	T8030-25	25			72				72	

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)	Max Power Requirement (kW)
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26	n/s
Potain	MCT 50	2.5	2.5 @ 20	1.1 @ 41	n/s	41	82	n/s	54.6	n/s
Potain	MCT 58	3	3@20.7	1.1@42	n/s	42	82	n/s	53.1	n/s
Potain	MCT 68	3	3@20	1.1@46	n/s	46	86	n/s	53.6	n/s
FM Gru	TLX 1340	4	4@20.5	1@42.5	58.4	n/s	56	n/s	n/s	n/s
FM Gru	TLX 1345	4	4@24	1@47.5	58.4	n/s	56	n/s	n/s	n/s
Jaso	J37NS	4	4@11.3	1@37	189	20/37	82	3	77	n/s
Linden Comansa	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	3.1	75.9	29
Linden Comansa	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	3.1	75.9	29
Linden Comansa	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	3.1	70.9	30
Linden Comansa	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	3.1	70.9	30
Jaso	J42NS	5	5@12.6	1.1@42	189	20/42	82	2.5	72.6	n/s
Jaso	J47NS	5	5@15.1	1@47	189	20/47	100	4	88.5	n/s
Jaso	J52NS	5	5@18.9	1.1@52	189	20/52	102	4	85.6	n/s
Liebherr	71 EC-B 5 FR.tronic	5	5@16.9	1@50	260	20 to 50	123	0	45.7	n/s
Liebherr	85 EC-B 5 (2/4)	5	5@20.5	1.30@50	278	20 to 50	80	2	46.2	n/s
Liebherr	85 EC-B 5 FR.tronic	5	5@21.1	1.30@50	260	20 to 50	123	0	46.2	n/s
Linden Comansa	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.4	75.9	29
Linden Comansa	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.4	75.9	29
Linden Comansa	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.4	70.9	30
Linden Comansa	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.4	70.9	30
Linden Comansa	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	3.2	68.5	46
Linden Comansa	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	3.2	108.8	62
Potain	MCT 78	5	5 @ 15.2	1 @ 51	n/s	51	82	n/s	51	n/s
Saez	TL 50 5T	5	5@13.6	1.1@50	240	21/50	80		120	n/s
Saez	TL 55 5T	5	5@16.7	1.2@55	240	21/55	80		120	n/s
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	45.75	n/s
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	51	n/s
FM Gru	TLX 1350	6	6@20	1@52.5	58.4	n/s	60	n/s	n/s	n/s
FM Gru	TLX 1355	6	6@20	1.3@55	58.4	n/s	60	n/s	n/s	n/s

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)	Max Power Requirement (kW)
FM Gru	TCK 1358 P6	6	6@22	1.4@58	67.2	n/s	60	n/s	n/s	n/s
FM Gru	TCK 1760 P6	6	6@26	1@65	67.2	n/s	100	n/s	n/s	n/s
Jaso	J85	6	6@19.32	1.2@55	240	25/55	80	3	86.7	n/s
Liebherr	110 EC-B 6 FR.tronic	6	6@22.3	1.40@55	174	20 to 55	142	0	51.1	n/s
Liebherr	110 EC-B 6 (2/4)	6	6@22.2	1.35@55	149	20 to 55	58	3.1	51.1	n/s
Liebherr	130 EC-B 6 (2/4)	6	6@27.1	1.35@60	149	20 to 60	58	3.1	67.5	n/s
Linden Comansa	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	158	5.3	68.5	46
Linden Comansa	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	240	5.3	108.8	62
Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s	54.3	n/s
Potain	MDT139	6	6@24.8	1.9@55	n/s	55	163	n/s	56.4	n/s
Terex	CTT 132-6	6	6@27.66	1.4@60	155	30/60	80	0	55.3	n/s
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6	50
Wolffkran	WOLFF 4517 city	6	6@17.3	1.7@45	100	25/50	55	15	59.5	26
Wolffkran	WOLFF 5014	6	6@17.7	1.4@50	190	25/50	108	24	n/s	34
Wolffkran	WOLFF 5020.6	6.2	6.2@20	2@50	190	25/55	52	23	108.2	59
Wolffkran	WOLFF 6015.6	6.2	6.2@25.9	1.5@60	190	25/60	52	23	108.2	47
Wolffkran	WOLFF 6531.6	6.2	6.2@45.7	3.7@65	460	30/65	230	56	94.7	96
Wolffkran	WOLFF 6023.6	6.6	6.2@35.5	2.3@60	52	25/60	52	23	103.7	47
FM Gru	TCK 1760 P8	8	8@16	1@65	67.2	n/s	60	n/s	n/s	n/s
Jaso	J 115.8	8	8@17.2	1.3@60	534	25/60	100	3	82.4	n/s
Jaso	J 145.A	8	8@20.26	2@60	534	30/60	100	3	82.9	n/s
Jaso	J150.8.2R	8	8@22.7	1.4@65	352	27.5/65	160		81.5	
Liebherr	130 EC-B 8 FR.tronic	8	8@20.7	1.30@60	190	20 to 60	120	0	67.5	n/s
Liebherr	150 EC-B 8 Litronic	8	8@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5	n/s
Liebherr	172 EC-B 8 Litronic	8	8@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5	n/s
Linden Comansa	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	345	4	103.3	77
Linden Comansa	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	345	4	103.3	77
Linden Comansa	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	200	4	104.8	66
Potain	MDT189	8	8@24.5	1.8@60m	n/s	60	121	n/s	73.8	n/s
Potain	MDT219 J8	8	8@29.2	1.95@65m	n/s	65	121	n/s	72	n/s
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114	n/s
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114	n/s
Terex	CTT 162-8	8	8@236	1.5@65	255	30/65	101	0	67.2	n/s
Terex	CTT 182-8	8	8@25.69	2@65	255	35/65	135	0	67.2	n/s
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5	58
Wolffkran	WOLFF 5020.8	8.5	8.5@17.9	2@50	190	25/55	115	26	108.2	59
Wolffkran	WOLFF 6015.8	8.5	18.5@19.6	1.5@60	190	25/60	115	26	108.2	62
Wolffkran	WOLFF 6023.8	8.5	8.5@26.6	2.3@60	190	25/60	170	42	103.7	90
Wolffkran	WOLFF 6031.8	8.5	8.5@30.5	3.1@60	190	30/65	170	42	103.7	96
Wolffkran	WOLFF 7032.8	8.5	8.5@37.9	3.2@70	460	25/70	185	44	103.7	90
Wolffkran	WOLFF 6531.8	8.5	8.5@37	3.7@65	190	30/65	115	26	94.7	68
Wolffkran	WOLFF 8033.8	8.5	8.5@55	3.3@80	460	30/80	185	44	85.2	97
Wolffkran	WOLFF 7534.8	8.5	8.5@43.6	3.4@75	460	30/75	185	44		95
FM Gru	TCK 1358 10	10	10@14	1.3@58	67.2	n/s	80	n/s	n/s	n/s
FM Gru	TCK 2560 P10	10	10@22	1.7@65	67.2	n/s	100	n/s	n/s	n/s
Jaso	J120.10	10	10@17.1	1.6@60	534	27.5/60	80		85.6	
Jaso	150.10	10	10@19.4	1.6@65	534	27.5/65	80		81.5	
Jaso	160.10	10	10@17	1.7@65	534	30/65	80	3	83.2	
Jaso	J 190N.10.A	10	10@24.6	2.75@60	534	30/60	80	3.5	93.4	n/s
Jaso	J 210.A	10	10@26	3@60	534	30/60	80	3.5	88.4	n/s
Jaso	J 215	10	10@26	2.3@65	534	30/60	80	3.5	88.4	n/s
Liebherr	202 EC-B 10 Litronic	10	10@22.90	2.20@65	278	24.7 to 65	123	0	68.7	n/s
Linden Comansa	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3	87
Linden Comansa	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3	87
Linden Comansa	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1	87
Potain	MDT219 J10	10	10@21.7	1.9@60m	n/s	65	100	n/s	72	n/s
Potain	MDT 249 J10	10	10@24.6	2.75@65m	n/s	65	117	n/s	56.3	n/s
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	117	n/s	74	n/s

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)	Max Power Requirement (kW)
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	117	n/s	71.2	n/s
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114	n/s
Terex	CTT 191-10	10	10@21.58	2@65	265	30/65	95	0	61.3	n/s
FM Gru	TCK 2560 P12	12	12@18	1.7@65	67.2	n/s	100	n/s	n/s	n/s
Jaso	J 260N.A	12	12@29.39	2.7@70	364	35/70	120	15	93.4	n/s
Jaso	J 300N.A	12	12@29.43	2.7@75	364	35/75	120	15	93.4	n/s
Jaso	J 300N.2R.A	12	12@7.7	2.5@75	284	35/75	185	15	93.4	n/s
Liebherr	250 EC-B 12 Litronic	12	12@25.7	2.25@70	325	24.4 to 70	243	0	81.4	n/s
Liebherr	285 EC-B 12 Litronic	12	12@28	2.60@75	325	24.4 to 75	243	0	85.5	n/s
Liebherr	380 EC-B 12 Litronic	12	12@34.80	3.70@75	325	30 to 75	243	0	86.5	n/s
Liebherr	280 EC-H 12 Litronic	12	12@31.30	2.80@75	325	40 to 75	243	0	86.8	n/s
Linden Comansa	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	320	0	104.3	100
Linden Comansa	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	320	0	104.3	100
Linden Comansa	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	320	0	102.1	100
Linden Comansa	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9	128
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	116	n/s	71.2	n/s
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	162.5	n/s	74	n/s
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	162.5	n/s	75.6	n/s
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	162.5	n/s	100.7	n/s
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	116	n/s	54.7	n/s
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110	n/s
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2	n/s
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100	65
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8	118
Wolffkran	WOLFF 6031.12	12	12@21.5	2.8@60	460	30/65	170	29	103.3	96
Wolffkran	WOLFF 7032.12	12	12@27.3	3.2@70	460	25/70	185	31	103.3	90
Wolffkran	WOLFF 6531.12	12	12@26.2	3.3@65	460	30/65	230	29	94.3	96
Wolffkran	WOLFF 7532.12	12	12@32.6	3.4@75	460	30/75	230	29	89.8	96
Jaso	J 300N.16.A	16	16@21	2.5@75	528	35/75	125	15	93.4	n/s
Liebherr	380 EC-B 16 Litronic	16	16@26.3	3.40@75	276	30 to 75	222	0	86.5	n/s
Liebherr	280 EC-H 16 Litronic	16	16@23.30	3.10@70	276	40 to 70	222	0	86.8	n/s
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	116.5	n/s	97.3	n/s
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100	n/s
Terex	CTT 332-16	16	16@24	3@75	360	30/75	145	0	98.35	n/s
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8	118
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5	120
Wolffkran	WOLFF 7532.16	16	16@23	3.3@75	260	30/75	170	21	89.8	96
Wolffkran	WOLFF 7534.16	16.5	16.5@24	3@75	460	30/75	185	23		95
Wolffkran	WOLFF 8033.16	16.5	16.5@29.5	2.9@80	460	30/80	185	44	84.8	97
Jaso	J360	18	18@24.6	4@60	328	30/60	145		90.7	
Saez	TLS 80 24T	18	24@15.2	3.2@80	250	30/80	214		100	n/s
Terex	CTT 361-18	18	18@22.75	3.4@75	460	30/75	190	0	84	n/s
Liebherr	550 EC-H 20 Litronic	20	20@37.60	4@81.5	520	41.5 to 81.5	172	0	86.9	n/s
Linden Comansa	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	244	0	98.9	128
Linden Comansa	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	240	0	110.8	136
Linden Comansa	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	240	0	110.7	136
Linden Comansa	21LC660 20t	20	20 @ 36.2	5.8 @ 84	640	40 / 84	240	0	105.3	136
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	245.5	n/s	94.5	n/s
Terex	CTT 361-20	20	20@20.69	3.4@75	495	30/75	190	0	84	n/s
Terex	CTT 472-20	20	20@25.2	3.70@80	495	30 / 80	190	0	90.24	n/s
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	85.2	n/s
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	65.5	n/s
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2	n/s
Wolffkran	WOLFF 9025	20	20@24.4	2.5@90	400	30/90	125	18	84.7	98
Wolffkran	WOLFF 8033.20	20	20@24.5	2.6@80	400	30/80	190	28	85.2	125
Wolffkran	WOLFF 8540.20	20	20@30.7	4@85	400	30/85	125	18	88.2	121
Wolffkran	WOLFF 6071	20	20@31.8	7.1@60	400	30/60	125	18	88.2	98
Jaso	J360.24	24	24@19	5@55	314	30/55	115		90.7	

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)	Max Power Requirement (kW)
Jaso	J415	24	24@23.2	4@75	828	30/85	205		56.2	
Jaso	J420	24	24@23.2	2.5@85	828	30/85	205		80	
Jaso	J560	24	24@27.2	2.5@85	828	30/85	331		80	
Jaso	J 600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	86.4	n/s
Jaso	J 700	24	24@31.9	5.5@80	436	34.5/80	185	14	86.4	n/s
Linden Comansa	21LC660 24t	24	24 @ 28.7	4.9 @ 84	725	40 / 84	180	0	117.8	162
Linden Comansa	21LC750 25t	25	25 @ 34.7	8.1 @ 80	785	40 / 80	202	0	98.2	180
Linden Comansa	21LC450 25t	25	25 @ 19.1	2.8 @ 80	790	40 / 80	166	0	109.3	156
Linden Comansa	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	166	0	103.7	156
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	192	n/s	94.5	n/s
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	192	n/s	84.9	n/s
Potain	MD 679 M25	25	25 @ 28.3	5.9 @ 80	n/s	80	192	n/s	94.3	n/s
Wolffkran	WOLFF 8060.25	25	25@30	6@80	400	30/80	159	22	74.7	131
Zoomlion	T8030-25	25			72				72	
Linden Comansa	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	725	40 / 80	294	0	108.3	300
Linden Comansa	30LC1450 32t	32	32 @ 50.5	16 @ 80	725	40 / 80	294	0	102.8	300
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	85.2	n/s
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	65	n/s
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7	128
Jaso	J 720	36	36@22	5.2@80	409	34.5/80	110	14	86.4	n/s
Linden Comansa	21LC660 36t	36	36 @ 19.9	4.9 @ 84	725	40 / 84	180	0	117.8	162
Linden Comansa	21LC750 37.5t	37.5	37.5 @ 25	8.1 @ 80	785	40 / 80	202	0	98.2	180
Liebherr	550 EC-H 40 Litronic	40	40@18.30	4@81.5	520	40 to 81.5	172	0	85.5	n/s
Liebherr	630 EC-H 40 Litronic	40	40@18.90	5.80@81.4	520	36 to 81.4	172	0	80	n/s
Liebherr	1000 EC-H 40 Litronic	40	40@27.40	11.50@81.4	520	34.5 to 81.4	172	0	88.4	n/s
Liebherr	1250 HC 40	40	40@31	12.50@81	520	40 to 81	86	0	79	n/s
Potain	MD 679 M40	40	40 @ 18	5.1 @ 80	n/s	80	162	n/s	92.7	n/s
Terex	CTT 721-40	40	40@18	3.4@80	239	39/84	146	0	79.4	n/s
Wolffkran	WOLFF 8540.40	40	40@15.6	2.2@85	400	30/85	125	18	82.2	121
Linden Comansa	21LC660 48t	48	48 @ 15.8	4.4 @ 84	362.5	40 / 84	90	0	117.8	162
Linden Comansa	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	725	40 / 80	294	0	108.3	300
Linden Comansa	30LC1450 48t	48	48 @ 35.4	16 @ 80	725	40 / 80	294	0	102.8	300
Liebherr	630 EC-H 50 Litronic	50	50@15.20	5.20@81.40	334	36 to 81.4	140	0	80	n/s
Liebherr	1000 EC-H 50 Litronic	50	50@22.10	11@81.40	334	34.5 to 81.4	140	0	85.5	n/s
Liebherr	1250 HC 50	50	50@24.30	12@81	334	40 to 81	70	0	79	n/s
Linden Comansa	21LC750 50t	50	50 @ 19.3	7.3 @ 80	785	40 / 80	101	0	98.2	180
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	97.5	n/s
Wolffkran	WOLFF 8060.50	50	50@15.2	4.2@80	400	30/80	159	11	68.7	131
Liebherr	2000 HC 60	60	60@34.90	22@81.40	226	48 to 81.4	94	0	91.8	n/s
Liebherr	3150 HC 60	60	60@50.70	32@80	226	39.2 to 80	94	0	96.5	n/s
Linden Comansa	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	362.5	40 / 80	148	0	108.3	300
Linden Comansa	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	362.5	40 / 80	148	0	102.8	300
Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	124	n/s	135.8	n/s
Potain	MD 2200	64	64@35	23.5@80	n/s	80	124	n/s	104.5	n/s
Potain	MD 3200	80	80@37	38.7@70	n/s	85	160	n/s	104.5	n/s
Linden Comansa	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8	308
Liebherr	4000 HC 100	100	100@36.30	22.50@96	360	60 to 96	136	0	67.6	n/s
Liebherr	1000 EC-B 125 Litronic	125	125@9	24.6@31.5	195	31.5 to 36.5	257	0	110.8	n/s

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)	Min Hoist Speed (m/min)
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22	16	20 to 22	25	2.5
Liebherr	22 HM	2	2@13.5	0.70@27	19	25 to 27	40	4
Liebherr	53 K (2)	2	2@28	1.10@40	31	28 to 40	82	0
Liebherr	42 K.1 (2)	2.5	2.50@21.95	1.20@36	28	25.5 to 36	50	4
Liebherr	42 KR.1 (2)	2.5	2.50@22	1.20@36	41.5	25.5 to 36	50	4
Liebherr	34 K (2/4)	4	4@114	1@33	26	25.5 to 33	55	1.5
Liebherr	42 K.1 (2/4)	4	4@14.4	1.10@36	27	25.5 to 36	50	2
Liebherr	42 KR.1 (2/4)	4	4@14.4	1.10@36	27	25.5 to 36	50	2
Liebherr	120 K.1 (2)	4	4@30.4	1.45@50	37.4	35 to 50	58	0
Liebherr	120 KR.1 (2)	4	4@30	1.45@50	36.3	35 to 50	58	0
Liebherr	53 K (2/4)	4.2	4.20@15.3	1@40	30.4	28 to 40	82	0
Liebherr	65 K.1	4.5	4.50@17.60	1.10@43	34.6	28 to 40	70	0
Liebherr	81 K.1	6	6@16.3	1.35@48	40.4	31 to 48	70	0
Liebherr	120 K.1 (2/4)	8	8@16.4	1.25@50	36.7	35 to 50	58	0
Liebherr	120 KR.1 (2/4)	8	8@14	1.25@50	35.6	35 to 50	58	0
Liebherr	MK 88	8	8@12	2.20@45	30.2	45	75	0
Liebherr	MK 140	8	8@14.5	1@65	37.7	58.3 to 65	n/s	n/s
Liebherr	L1-24	2.5	2.5@10.4	0.8@27	19	22 to 27	50	0
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65	n/s
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65	n/s
Potain	Igo 10	1.3	1.3@10.2	0.65@16	16	16	42.5	n/s
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5	n/s
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39	n/s
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39	n/s
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39	n/s
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39	n/s
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39	n/s
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48	n/s
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5	n/s
Potain	Igo 42	4	4@13.4	1.1@36	23	36	66.5	n/s
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5	n/s
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68	n/s
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69	n/s
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63	n/s
Saez	H 24 MTF	1.5	1.5@12.3	0.7@24	18	24	25	n/s
Saez	H 28	2	2@13.3	0.75@28	19	28	41	n/s
Saez	H 32 SR/DR	4	4@10.5	1@32	21	32	41	n/s
Saez	H 45	4	4 @ 14.5	1.1@40	23.2	45	59	n/s
Saez	HT 45.14	6	6@15.6	1.4@45	38.9	45	69	n/s
Terex	CBR 21H	1.6	1.6@10	0.6	18.2	11.2-21	36	4
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36	4
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40	6.6
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46	4
Terex	CBR 40H	4	4@14.5	1	25.6	27.2-40	46	3
Vicario	V 1785-SC	2.2	2.2 @ 10.9	0.75 @26	22.4	13.2-26	42	5
Vicario	V 1989	2.2	2.2 @ 10.9	0.85 @ 27	24	13.1-27	42	5
Vicario	V1989-SC	2.2	2.2 @ 10.9	0.85 @ 27	24	13.1-27	42	5
Vicario	V18102-SC	3	3 @ 10.6	0.8 @31	23	14-31	50	6
Vicario	V 2298	4	4 @ 9.6	1 @29.8	23.7	13.2-29.8	56	8
Vicario	V22112	4	4 @ 10.9	1 @ 34	25	13.7-34	48	6
Vicario	V22137	4	4 @ 14.35	1 @41.8	26	27.8-41.8	55	6
Vicario	V22147	4	4 @ 14.5	1 @44.8	28	30.6-47.8	55	6

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)	Min Hoist Speed (m/min)
Potain	Igo 10	1.3	1.3@10.2	0.65@16	16	16	42.5	n/s
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5	n/s
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22	16	20 to 22	25	2.5
Saez	H 24 MTF	1.5	1.5@12.3	0.7@24	18	24	25	n/s
Terex	CBR 21H	1.6	1.6@10	0.6	18.2	11.2-21	36	4
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39	n/s
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39	n/s
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39	n/s
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39	n/s
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39	n/s
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s
Liebherr	22 HM	2	2@13.5	0.70@27	19	25 to 27	40	4
Liebherr	53 K (2)	2	2@28	1.10@40	31	28 to 40	82	0
Saez	H 28	2	2@13.3	0.75@28	19	28	41	n/s
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36	4
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48	n/s
Vicario	V 1785-SC	2.2	2.2 @ 10.9	0.75 @26	22.4	13.2-26	42	5
Vicario	V 1989	2.2	2.2 @ 10.9	0.85 @ 27	24	13.1-27	42	5
Vicario	V1989-SC	2.2	2.2 @ 10.9	0.85 @ 27	24	13.1-27	42	5
Liebherr	42 K.1 (2)	2.5	2.50@21.95	1.20@36	28	25.5 to 36	50	4
Liebherr	42 KR.1 (2)	2.5	2.50@22	1.20@36	41.5	25.5 to 36	50	4
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40	6.6
Vicario	V18102-SC	3	3 @ 10.6	0.8 @31	23	14-31	50	6
Liebherr	34 K (2/4)	4	4@114	1@33	26	25.5 to 33	55	1.5
Liebherr	42 K.1 (2/4)	4	4@14.4	1.10@36	27	25.5 to 36	50	2
Liebherr	42 KR.1 (2/4)	4	4@14.4	1.10@36	27	25.5 to 36	50	2
Liebherr	120 K.1 (2)	4	4@30.4	1.45@50	37.4	35 to 50	58	0
Liebherr	120 KR.1 (2)	4	4@30	1.45@50	36.3	35 to 50	58	0
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5	n/s
Potain	Igo 42	4	4@13.4	1.1@36	23	36	66.5	n/s
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5	n/s
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68	n/s
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65	n/s
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65	n/s
Saez	H 32 SR/DR	4	4@10.5	1@32	21	32	41	n/s
Saez	H 45	4	4 @ 14.5	1.1@40	23.2	45	59	n/s
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46	4
Terex	CBR 40H	4	4@14.5	1	25.6	27.2-40	46	3
Vicario	V 2298	4	4 @ 9.6	1 @29.8	23.7	13.2-29.8	56	8
Vicario	V22112	4	4 @ 10.9	1 @ 34	25	13.7-34	48	6
Vicario	V22137	4	4 @ 14.35	1 @41.8	26	27.8-41.8	55	6
Vicario	V22147	4	4 @ 14.5	1 @44.8	28	30.6-47.8	55	6
Liebherr	53 K (2/4)	4.2	4.20@15.3	1@40	30.4	28 to 40	82	0
Liebherr	65 K.1	4.5	4.50@17.60	1.10@43	34.6	28 to 40	70	0
Liebherr	81 K.1	6	6@16.3	1.35@48	40.4	31 to 48	70	0
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69	n/s
Saez	HT 45.14	6	6@15.6	1.4@45	38.9	45	69	n/s
Liebherr	120 K.1 (2/4)	8	8@16.4	1.25@50	36.7	35 to 50	58	0
Liebherr	120 KR.1 (2/4)	8	8@14	1.25@50	35.6	35 to 50	58	0
Liebherr	MK 88	8	8@12	2.20@45	30.2	45	75	0
Liebherr	MK 140	8	8@14.5	1@65	37.7	58.3 to 65	n/s	n/s
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63	n/s
Liebherr	L1-24	2.5	2.5@10.4	0.8@27	19	22 to 27	50	0

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum Hook	Powered Boom	Installed Weight (metric tons or pounds)	Capacity US tons
		Lifting Capacity (pounds)	Maximum Radius (feet/inches)	Height (feet/inches)	Length (feet/inches)		
Amco Veba	803	1,790 lbs	680 @ 24 ft 3 in	31 ft 8 in	24 ft 3 in	1190 lbs	0.895
Amco Veba	SC2017	1,850 lbs	1,060 @ 17 ft 0 in	18 ft 1 in	17 ft 0 in	990 lbs	0.925
Amco Veba	103	2,870 lbs	730 @ 22 ft 2 in	30 ft 2 in	22 ft 2 in	930 lbs	0.935
Amco Veba	601T	1,900 lbs	510 @ 12 ft 0 in	12 ft 8 in	6 ft 3 in	630 lbs	0.95
Amco Veba	602T	2,590 lbs	690 @ 12 ft 0 in	12 ft 6 in	9 ft 2 in	680 lbs	1.295
Amco Veba	105	4,740 lbs	1,200 @ 23 ft 0 in	32 ft 2 in	23 ft 0 in	1,580 lbs	1.49
Amco Veba	603T	3,510 lbs	880 @ 13 ft 7 in	18 ft 1 in	13 ft 8 in	830 lbs	1.755
Amco Veba	804	3,570 lbs	530 @ 35 ft 4 in	39 ft 4 in	30 ft 7 in	1,880 lbs	1.78
Amco Veba	SC4021	3,860 lbs	1,760 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	1,280 lbs	1.93
Amco Veba	805	4,250 lbs	790 @ 30 ft 4 in	40 ft 8 in	30 ft 4 in	1,930 lbs	2.125
Amco Veba	807N	5,880 lbs	910 @ 39 ft 4 in	43 ft 8 in	34 ft 1 in	2,470 lbs	2.175
Amco Veba	604T	4,530 lbs	1,320 @ 13 ft 11 in	18 ft 2 in	13 ft 11 in	1,010 lbs	2.265
Amco Veba	805T	4,590 lbs	940 @ 24 ft 7 in	33 ft 6 in	24 ft 7 in	1,710 lbs	2.295
Amco Veba	SC6421	4,850 lbs	2,870 @ 21 ft 5 in	26 ft 3 in	21 ft 5 in	2,470 lbs	2.425
Amco Veba	108	8,320 lbs	1,480 @ 29 ft 6 in	32 ft 2 in	25 ft 0 in	2,050 lbs	2.475
Amco Veba	SC5421	5,180 lbs	2,430 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	1,320 lbs	2.59
Amco Veba	605T	5,270 lbs	1,150 @ 19 ft 5 in	23 ft 0 in	19 ft 5 in	880 lbs	2.635
Amco Veba	JT250	5,510 lbs	3,090 @ 41 ft 10 in	54 ft 2 in	41 ft 10 in	8,380 lbs	2.755
Amco Veba	806N	5,880 lbs	880 @ 39 ft 4 in	43 ft 4 in	34 ft 1 in	2,380 lbs	2.9
Amco Veba	SC6721	6,170 lbs	2,930 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	2,200 lbs	3.085
Amco Veba	808N	6,970 lbs	1,040 @ 39 ft 6 in	43 ft 8 in	34 ft 3 in	2,540 lbs	3.485
Amco Veba	JT330	7,050 lbs	2,030 @ 55 ft 7 in	67 ft 7 in	55 ft 7 in	10,030 lbs	3.525
Amco Veba	809T	7,280 lbs	1,600 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	2,940 lbs	3.64
Amco Veba	111	8,820 lbs	1,500 @ 36 ft 6 in	41 ft 8 in	30 ft 1 in	2,650 lbs	4.41
Amco Veba	811T	8,950 lbs	2,070 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	2,940 lbs	4.475
Amco Veba	810C	9,230 lbs	1,230 @ 39 ft 10 in	51 ft 2 in	39 ft 10 in	3,430 lbs	4.615
Amco Veba	911C	9,440 lbs	1,340 @ 39 ft 10 in	51 ft 2 in	39 ft 10 in	3,450 lbs	4.72
Amco Veba	810	9,480 lbs	960 @ 45 ft 1 in	56 ft 9 in	45 ft 1 in	3,510 lbs	4.74
Amco Veba	911	9,700 lbs	1,050 @ 45 ft 1 in	56 ft 9 in	45 ft 1 in	3,530 lbs	4.85
Amco Veba	812	10,430 lbs	660 @ 54 ft 3 in	57 ft 9 in	46 ft 11 in	4,120 lbs	5.215
Amco Veba	913	10,580 lbs	620 @ 62 ft 0 in	72 ft 6 in	62 ft 0 in	4,410 lbs	5.29
Amco Veba	814C	11,460 lbs	1,280 @ 41 ft 7 in	59 ft 2 in	47 ft 3 in	5,800 lbs	5.73
Amco Veba	815	12,240 lbs	840 @ 54 ft 3 in	62 ft 6 in	46 ft 11 in	4,920 lbs	6.12
Amco Veba	115	13,120 lbs	2,250 @ 36 ft 5 in	41 ft 8 in	30 ft 6 in	3,307 lbs	6.56
Amco Veba	816T	13,580 lbs	1,500 @ 47 ft 3 in	52 ft 4 in	41 ft 4 in	4,280 lbs	6.79
Amco Veba	815T	14,000 lbs	1,540 @ 47 ft 1 in	43 ft 4 in	33 ft 0 in	3,970 lbs	7
Amco Veba	817T	14,330 lbs	2,650 @ 33 ft 0 in	43 ft 4 in	33 ft 0 in	4,080 lbs	7.165
Amco Veba	818T	14,400 lbs	1,640 @ 47 ft 3 in	52 ft 0 in	41 ft 4 in	4,320 lbs	7.2
Amco Veba	817C	15,810 lbs	1,100 @ 54 ft 6 in	58 ft 2 in	47 ft 3 in	5,800 lbs	7.9
Amco Veba	817	16,090 lbs	1,010 @ 60 ft 4 in	65 ft 0 in	53 ft 2 in	5,950 lbs	8.045
Amco Veba	820T	16,620 lbs	1,100 @ 66 ft 9 in	57 ft 9 in	46 ft 1 in	5,400 lbs	8.31
Amco Veba	120	17,950 lbs	3,350 @ 36 ft 5 in	43 ft 6 in	30 ft 3 in	5,115 lbs	8.96
Amco Veba	123	19,140 lbs	3,640 @ 36 ft 5 in	42 ft 1 in	30 ft 3 in	5,181 lbs	9.57
Amco Veba	924C	19,400 lbs	1,210 @ 68 ft 3 in	59 ft 5 in	47 ft 7 in	6,970 lbs	9.7
Amco Veba	820	19,840 lbs	1,210 @ 60 ft 4 in	65 ft 0 in	53 ft 2 in	6,390 lbs	9.92
Amco Veba	924	19,970 lbs	890 @ 74 ft 2 in	79 ft 1 in	67 ft 3 in	7,610 lbs	9.985
Amco Veba	823	20,720 lbs	1,410 @ 60 ft 4 in	65 ft 0 in	53 ft 2 in	6,460 lbs	10.36
Amco Veba	825	20,720 lbs	1,720 @ 58 ft 9 in	62 ft 4 in	52 ft 7 in	8,230 lbs	10.36
Amco Veba	828	21,160 lbs	1,920 @ 58 ft 9 in	62 ft 4 in	52 ft 7 in	8,340 lbs	10.58
Amco Veba	950	22,580 lbs	2,310 @ 74 ft 10 in	81 ft 1 in	67 ft 7 in	13,050 lbs	11.29
Amco Veba	946	22,050 lbs	2,200 @ 74 ft 10 in	81 ft 1 in	67 ft 7 in	12,960 lbs	11.3
Amco Veba	933C	25,020 lbs	1,760 @ 64 ft 4 in	69 ft 11 in	64 ft 4 in	10,520 lbs	12.51
Amco Veba	929	25,130 lbs	1,260 @ 76 ft 5 in	80 ft 6 in	69 ft 2 in	9,630 lbs	12.57
Amco Veba	936C	25,420 lbs	1,760 @ 64 ft 4 in	80 ft 5 in	64 ft 4 in	10,520 lbs	12.71
Amco Veba	933	25,790 lbs	880 @ 77 ft 5 in	80 ft 5 in	69 ft 5 in	10,670 lbs	12.895
Amco Veba	936	26,680 lbs	900 @ 77 ft 5 in	82 ft 0 in	69 ft 5 in	10,670 lbs	13.34
Amco Veba	VR75	35,490 lbs	2,780 @ 87 ft 7 in	94 ft 2 in	79 ft 11 in	19,400 lbs	17.745
Amco Veba	VR85	37,700 lbs	2,870 @ 87 ft 8 in	94 ft 2 in	79 ft 11 in	20,500 lbs	18.85
Bigmax	TC100	1,900 lbs	505 lbs @ 12 ft 0 in	12 ft 8 in	9 ft 2 in	319 lbs	0.95

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum Hook	Powered Boom	Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
		Lifting Capacity (pounds)	Maximum Radius (feet/inches)	Height (feet/inches)	Length (feet/inches)			
Bigmax	TC130	2,590 lbs	693 lbs @ 12 ft 0 in	12 ft 6 in	9 ft 2 in	49 in	385 lbs	1.295
Bigmax	ECO 3	2860 lbs	730 @ 22 ft 2 in	30 ft 6 in	22 ft 2 in	65 in	858 lbs	1.43
Bigmax	TC200	3,510 lbs	639 lbs @ 16 ft 10 in	18 ft 1 in	13 ft 8 in	61 in	475 lbs	1.755
Bigmax	TC260	4100 lbs	902 lbs @ 16 ft 10 in				535 lbs	2.05
Bigmax	TC300	4,530 lbs	1012 lbs @ 17 ft 1 in	18 ft 2 in	13 ft 11 in	63 in	554 lbs	2.265
Bigmax	TC350	5,270 lbs	893 lbs @ 23 ft 0 in	23 ft 0 in	19 ft 5 in	69 in	601 lbs	2.635
Bigmax	TO 670	7,280 lbs	1,520 @ 27 ft 9 in	32 ft 3 in	27 ft 9 in	79 in	2,200 lbs	3.64
Bigmax	TO 840	7,280 lbs	1,600 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	91 in	2,940 lbs	3.64
Bigmax	TO 1030	8,950 lbs	2,070 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	91 in	2,940 lbs	4.475
Bigmax	TC160	2895 lbs	705 lbs @ 12 ft 0 in				385 lbs	1.448
Cormach	12000 EF	1 t	395 lbs @ 58 ft 10 in	68FT	52 ft	7 ft 1 in	4530 lbs	1
Cormach	4000 E	2 t	680 lbs @ 33 ft 5 in	43FT	27 ft 6 in	5 ft 9 in	1520 lbs	2
Cormach	6800 E	3 t	1120 lbs @ 33 ft 2 in	43FT	27 ft 3 in	5 ft 7 in	2030 lbs	3
Cormach	8700 E	3 t	700 lbs @ 45 ft	55FT	37 ft 7 in	6 ft 7 in	2380 lbs	3
Cormach	16600 EF	3 t	772 lbs @ 61 ft	70 FT	54 ft 6 in	7 ft 7 in	5790 lbs	3
Cormach	22500 EF	3.8 t	620 lbs @ 71 ft 5 in	82FT	71 ft 5 in	7 ft 6 in	7525 lbs	3.8
Cormach	12000 E	5 t	625 lbs @ 50 ft	60FT	37 ft	7 ft 1 in	3350 lbs	5
Cormach	230000 EF	5 t	1500 lbs @ 150 ft	164FT	150 ft	9 ft 6 in	57800 lbs	5
Cormach	22500 E	6 t	1960 lbs @ 52 ft	62FT	52 ft	7 ft 6 in	5160 lbs	6
Cormach	34000 EF	6.5 t	816 lbs @ 87 ft	98FT	87 ft	8 ft 2 in	10100 lbs	6.5
Cormach	16600 E	7 t	2050 lbs @ 40 ft	50FT	40 ft	7 ft 6 in	4145 lbs	7
Cormach	28200 E	7 t	1543 lbs @ 64 ft 8 in	75FT	64 ft 8 in	7 ft 4 in	6000 lbs	7
Cormach	38000 EF	7.3 t	495 lbs @ 94 ft 8 in	106FT	81 ft 4 in	7 ft 8 in	11530 lbs	7.3
Cormach	19500 E	7.5 t	2500 lbs @ 40 ft	50FT	40 ft	7 ft 6 in	4400 lbs	7.5
Cormach	34000 E	8 t	1720 lbs @ 68 ft 3 in	80FT	68 ft 3 in	7 ft 1 in	7780 lbs	8
Cormach	87000 EF	8.5 t	1764 lbs @ 99 ft	111FT	99 ft	9 ft 8 in	22000 lbs	8.5
Cormach	51800 EF	10.5 t	2730 lbs @ 66 ft 6 in	77FT	66 ft 6 in	8 ft	15500 lbs	10.5
Cormach	38000 E	11 t	2030 lbs @ 61 ft 6 in	72FT	61 ft 6 in	7 ft 8 in	9300 lbs	11
Cormach	71000 EF	12.9 t	1100 lbs @ 98 ft 5 in	110FT	98 ft 5 in	9 ft 7 in	18000 lbs	12.9
Cormach	180000 EF	13.7 t	1480 lbs @ 130 ft	142FT	130 ft	9 ft	43500 lbs	13.7
Cormach	51800 E	15.4 t	3350 lbs @ 61 ft	71FT	61 ft	8 ft	11180 lbs	15.4
Cormach	135000 EF	16.5 t	2756 lbs @ 105 ft 9 in	118 FT	105 ft 9 in	9 ft 8 in	32000 lbs	16.5
Cormach	71000 E	17.6 t	2930 lbs @ 80 ft 5 in	92FT	80 ft 5 in	8 ft 6 in	13200 lbs	17.6
Cormach	87000 E	22 t	3770 lbs @ 79 ft 8 in	91FT	79 ft 8 in	8 ft 8 in	15800 lbs	22
Cormach	135000 E	33 t	10140 lbs @ 62 ft 4 in	75FT	62 ft 4 in	8 ft 6 in	26000 lbs	33
Cormach	180000 E	33 t	7981 lbs @ 78 ft 6 in	89FT	53 ft 9 in	8 ft 10 in	35900 lbs	33
Cormach	230000 E	46 t	13500 lbs @ 75 ft 6 in	90FT	75 ft 6 in	9 ft 6 in	45000 lbs	46
Effer	42/4S	1.8 t	0.33	37 ft 8 in	29 ft 8 in	67 in	1,280 lbs	1.984
Effer	65/4S	2.5 t	0.5	42 ft 2 in	34 ft 1 in	78 in	2,120 lbs	2.755
Effer	80/4S	2.8 t	0.6	43 ft 4 in	35 ft 4 in	82 in	2,225 lbs	3.086
Effer	100/4S	3.7 t	0.75	43 ft 7 in	34 ft 7 in	85 in	2,630 lbs	4.078
Effer	130/145	4.5 t	0.5	62 ft 1 in	55 ft 1 in	89 in	4,476 lbs	4.96
Effer	155/165	5.5 t	0.7	72 ft 11 in	62 ft 9 in	90 in	4,871 lbs	6.06
Effer	210	7 t	0.7	63 ft 10 in	56 ft 9 in	100 in	6,564 lbs	7.72
Effer	250	8.5 t	0.9	63 ft 10 in	56 ft 6 in	98 in	6,865 lbs	9.37
Effer	275/305	10 t	0.8	90 ft 11 in	83 ft 10 in	100 in	7,935 lbs	11.02
Effer	340/370	15 t	1	93 ft 7 in	86 ft 6 in	106 in	9,694 lbs	16.53
Effer	440/470	15 t	1.4	78 ft 2 in	70 ft 9 in	101 in	10,126 lbs	16.53
Effer	635/655	19.3 t	1.7	104 ft 8 in	96 ft 6 in	104 in	14,640 lbs	21.27
Effer	1355	24 t	3.6	111 ft 7 in	104 ft 10 in	105 in	22,125 lbs	26.46
Effer	750/850	26 t	2.2	82 ft 6 in	75 ft 9 in	98 in	16,520 lbs	28.66
Effer	955	27 t	6215 lbs @ 67' 6"	80 ft	110 ft	106 in	17,510 lbs	28.66
Effer	1405	28 t	7535 lbs @ 72' 3"	113 ft 5 in	106 ft 4 in	113 in	n/s	30.86
Effer	1750	32 t	5.9	111 ft 10 in	104 ft 9 in	114 in	30,420 lbs	35.27
Effer	2100	37 t	17.2	42 ft 5 in	35 ft 7 in	89 in	35,375 lbs	40.79
Effer	3000 VR	50 t	18	57 ft 6 in	50 ft 10 in	100 in	48,617 lbs	55.12
Effer	2200	37.9 t	4.9	162 ft 1 in	141 ft 10 in	93 in	41,625 lbs	41.78
Effer	2750	40.7 t	15.3	58 ft 9 in	51 ft 10 in	100 in	42,018 lbs	44.86
Fassi	M10A 12	2194 lbs	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396 lbs	1

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum Hook	Powered Boom	Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
		Lifting Capacity (pounds)	Maximum Radius (feet/inches)	Height (feet/inches)	Length (feet/inches)			
Fassi	F22A.0.22	2193 lbs	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881 lbs	1
Fassi	F28A.0.23	2193 lbs	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1,025 lbs	1
Fassi	F38A.0.23	2193 lbs	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1,267 lbs	1
Fassi	M30A 13	4404 lbs	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573 lbs	2
Fassi	F50A.0.24	5004 lbs	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1,653 lbs	2.5
Fassi	F65A.0.24	6613 lbs	760 lbs @ 39 ft 10 in	46 ft 2 in	15 ft 10 in	6 ft 3 in	2,160 lbs	3
Fassi	F85B.0.24	8377 lbs	903 lbs @ 43 ft 31 in	50 ft 4 in	30 ft 7 in	6 ft 5 in	2,579 lbs	4
Fassi	F95A.0.24	9744 lbs	220 lbs @ 59 ft 6 in	66 ft 8 in	30 ft 6 in	7 ft 2 in	3,593 lbs	5
Fassi	F135A.2.26	10251 lbs	110 lbs @ 81 ft 4 in	89 ft	40 ft 4 in	7 ft 9 in	5,423 lbs	5
Fassi	F155A.0.26	11023 lbs	220 lbs @ 81 ft 4 in	89 ft	45 ft 4 in	7 ft 9 in	6,172 lbs	5
Fassi	F110A 24	11904 lbs	396 lbs @ 59 ft 2 in	66 ft 2 in	30 ft 6 in	7 ft 2 in	4,309 lbs	6
Fassi	F135A.0.25	12632 lbs	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,783 lbs	6
Fassi	F175A.2.26	11794 lbs	242 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495 lbs	6
Fassi	F195A.2.26	12896 lbs	286 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495 lbs	6.5
Fassi	F155A.0.25	13911 lbs	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,795 lbs	7
Fassi	F215A.2.26	13668 lbs	330 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,716 lbs	7
Fassi	F175A.0.25	17636 lbs	220 lbs @ 80 ft 6 in	88 ft	37 ft 8 in	7 ft 10 in	6,547 lbs	8.5
Fassi	F245A.2.28	17636 lbs	473 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500 lbs	8.5
Fassi	F275A.2.28	17636 lbs	606 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500 lbs	8.5
Fassi	F195A.0.25	19102 lbs	330 lbs @ 80 ft 8 in	88 ft	43 ft 8 in	7 ft 10 in	6,889 lbs	9.5
Fassi	F245A.0.26	19620 lbs	551 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500 lbs	9.5
Fassi	F275A.0.26	29762 lbs	617 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500 lbs	9.5
Fassi	F215A.0.25	20657 lbs	385 lbs @ 80 ft 6 in	88 ft	43 ft 8 in	7 ft 10 in	6,889 lbs	10
Fassi	F295A.2.28	19841 lbs	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F335A.2.28	20943 lbs	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F295RA.2.28	19841 lbs	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F335RA.2.28	20943 lbs	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F385R.2.28	26455 lbs	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500 lbs	13
Fassi	F385RA.2.28	26455 lbs	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500 lbs	13
Fassi	F455A.2.28	29762 lbs	485 lbs @ 101 ft 10 in	115 ft	72 ft 11 in	8 ft 6 in	20,950 lbs	15
Fassi	F455RA.2.28	29762 lbs	485 lbs @ 101 ft 10 in	115 ft	72 ft 11 in	8 ft 6 in	20,950 lbs	15
Fassi	F510RA.2.28	33069 lbs	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	20,950 lbs	16.5
Fassi	F660RA.2.28	35273 lbs	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	22,800 lbs	17.5
Fassi	F800RA.2.28	48501 lbs	727 lbs @ 109 ft 10 in	124 ft	75 ft 9 in	8 ft 6 in	24,600 lbs	24
Fassi	F950RA.2.28	48501 lbs	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	27,600 lbs	24
Fassi	F1100RA.2.28	55115 lbs	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	30,000 lbs	27.5
Fassi	F1300RA.2.28	55115 lbs	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500 lbs	27.5
Fassi	F1950RAL.2.28	58973 lbs	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000 lbs	29
Fassi	F2150RAL.2.28	63272 lbs	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000 lbs	32
Fassi	F1500RA.2.28	66138 lbs	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35,000 lbs	33
Fassi	F1950RA.2.28	66138 lbs	727 lbs @ 120 ft 4 in	134 ft 2 in	78 ft 5 in	8 ft 6 in	40,000 lbs	44
IMT	2.5/18	1740 lb (790 kg)	715 @ 22 ft 8 in	28' 1" (8.6 m)	23' (7 m)	5 ft	850 lb (386 kg)	0.87
IMT	3.2/23	2195 lb (995 kg)	960 @ 23 ft 4 in	29' 3" (8.9 m)	23' (7 m)	5 ft 2 in	920 lb (418 kg)	1.1
IMT	610K-MC	5986 lb (2715 kg)	838 @ 35 ft 4 in	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1389 lb (630 kg)	3
IMT	610K-MCS/RC	6526 lb (2960 kg)	948 @ 35 ft 4 in	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1389 lb (630 kg)	3.3
IMT	710K-RCS	6746 lb (3060 kg)	992 @ 35 ft 5 in	43' 11" (13.4 m)	35' 5" (10.8 m)	6 ft 2 in	1389 lb (630 kg)	3.4
IMT	810K-MC	7562 lb (3430 kg)	1135 @ 36 ft 1 in	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
IMT	810K-MCS/RC	8245 lb (3740 kg)	1267 @ 36 ft 1 in	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	4.1
IMT	9/65SL	8380 lb (3800 kg)	950 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7 FT	2360 lb (930 kg)	4.2
IMT	910K-RCS	8509 lb (3860 kg)	1322 @ 36 ft 1 in	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1389 lb (630 kg)	4.3
IMT	9/65DL	9040 lb (4100 kg)	905 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7 FT	2415 lb (1094 kg)	4.5
IMT	10/72SL	9722 lb (4410 kg)	1190 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7 FT	2380 lb (1080 kg)	4.6
IMT	10/72DL	10,384 lb (4710 kg)	1124 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7FT	2380 lb (1080 kg)	4.6
IMT	11/78SL	9170 lb (4160 kg)	1015 @ 48 ft 11 in	56' 9" (17.3 m)	49' 3" (15 m)	7 FT	2557 lb (1160 kg)	4.6
IMT	11/78DL	9280 lb (4210 kg)	1015 @ 48 ft 11 in	56' 9" (17.3 m)	49' 3" (15 m)	7 FT	2645 lb (1200 kg)	4.9
IMT	12/86SL	10,626 lb (4820 kg)	1301 @ 48 ft 10 in	56' 9" (17.3 m)	49' 2" (15 m)	7 FT 5 IN	2590 lb (1175 kg)	5
IMT	12/86DL	10,670 lb (4840 kg)	1,279 @ 48 ft 10 in	56' 9" (17.3 m)	49' 2" (15 m)	7 FT	2665 lb (1210 kg)	5.1
IMT	13/88SL	9920 lb (4500 kg)	750 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT	2890 lb (1310 kg)	5.1
IMT	13/88DL	10,780 lb (4890 kg)	750 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT 5 IN	3000 lb (1360 kg)	5.4

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum Hook	Powered Boom	Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
		Lifting Capacity (pounds)	Maximum Radius (feet/inches)	Height (feet/inches)	Length (feet/inches)			
IMT	14/98SL	11,680 lb (5300 kg)	1035 @ 56 ft 5 in	64' 8" (19.7 m)	56' 8" (17.3 m)	7 FT 4 IN	2890 lb (1310 kg)	5.5
IMT	14/98DL	12,275 lb (5570 kg)	1015 @ 56 ft 5 in	64' 8" (19.7 m)	56' 8" (17.3 m)	7 FT 4 IN	3000 lb (1,360 kg)	5.9
IMT	15/105SL	12,125 lb (5500 kg)	1060 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT 5 IN	3020 lb (1370 kg)	5.9
IMT	15/105DL	13,470 lb (6110 kg)	1060 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT 5 IN	3130 lb (1420 kg)	6.4
IMT	17/117SL	13,445 lb (6100 kg)	1390 @ 56 ft 5 in	64' 7" (19.7 m)	56' 8" (17.3 m)	7 FT 5 IN	3020 lb (1370 kg)	6.7
IMT	17/117DL	15,625 lb (7090 kg)	1390 @ 56 ft 5 in	64' 7" (19.7 m)	56' 8" (17.3 m)	7 ft 6 in	3130 lb (1420 kg)	6.9
IMT	18/124SL	13,800 lb (6260 kg)	615 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	3900 lb (1770 kg)	7.4
IMT	18/124DL	14,265 lb (6470 kg)	615 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 FT 5 IN	4055 lb (1840 kg)	7.4
IMT	20/138SL	16,200 lb (7350 kg)	950 @ 70 ft 10 in	79' 1" (24.1 m)	70' 10" (21.6 m)	7 FT 9 IN	3900 lb (1770 kg)	7.5
IMT	20/138DL	16,265 lb (7380 kg)	950 @ 70 ft 6 in	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4055 lb (1840 kg)	7.7
IMT	22/153SL	17,065 lb (7740 kg)	880 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4180 lb (1895 kg)	7.9
IMT	22/153DL	17,550 lb (7960 kg)	880 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4365 lb (1980 kg)	8.5
IMT	26/180SL	18,940 lb (8590 kg)	1345 @ 70 ft 6 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4180 lb (1895 kg)	8.8
IMT	26/180DL	19,355 lb (8780 kg)	1345 @ 70 ft 6 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4365 lb (1980 kg)	9.5
IMT	32/222	15,058 lb (6830 kg)	1764 @ 69 ft 7 in	77' 10" (23.7 m)	69' 7" (21.2 m)	7 FT 10 in	5710 lb (2590 kg)	9.5
IMT	40/275	19,025 lb (8630 kg)	2225 @ 69 ft 11 in	79' (24.1 m)	69' 11" (21.3 m)	7 ft 6 in	7165 lb (3250 kg)	9.7
IMT	50/345	22,840 lb (10,360 kg)	3085 @ 70 ft 3 in	78' 11" (24.1 m)	70' 3" (21.4 m)	7 FT 10 in	8180 lb (3710 kg)	11.4
IMT	60/427	27,845 lb (12,630 kg)	4210 @ 67 ft 3 in	76' 9" (23.4 m)	67' 7" (20.6 m)	7 FT 11 in	9735 lb (4415 kg)	13.9
IMT	80/565	35,410 lb (16,060 kg)	6285 @ 66 ft 7 in	76' 9" (23.4 m)	66' 11" (20.4 m)	8 FT 2 in	12,345 lb (5600 kg)	17.2
Palfinger	PK 5.001 SLD	7,300 lbs	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	3.31
Palfinger	PK 7.001 SLD	7,300 lbs	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	3.31
Palfinger	PK 8.501 SLD	12,570 lbs	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	5.7
Palfinger	PK 9.501 SLD	12,600 lbs	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	5.71
Palfinger	PK 8501 CM	12,600 lbs	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	5.71
Palfinger	PK 11.001 SLD	12,570 lbs	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	5.7
Palfinger	PK 12.501 SLD	12,570 lbs	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	5.7
Palfinger	PK 11001 CM	12,400 lbs	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	5.6
Palfinger	PK 12000	14,970 lbs	1170@47 ft 11 in	n/s	47 ft 11 in	n/s	3040	6.79
Palfinger	PK 13002	13,200 lbs	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	5.98
Palfinger	PK 14002-EH	13,200 lbs	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	5.98
Palfinger	PK 15500	13,670 lbs	1430@47 ft 7 in	n/s	47 ft 7 in	n/s	3570	6.2
Palfinger	PK 16002	13,440 lbs	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.2
Palfinger	PK 18002-EH	13,440 lbs	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.2
Palfinger	PK 18500	17,673 lbs	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	6.09
Palfinger	PK 19502	13,500 lbs	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 22002-EH	13,500 lbs	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 23500	22,046 lbs	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	9.9
Palfinger	PK 23502	19,600 lbs	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 26002-EH	19,600 lbs	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 30002	22,050 lbs	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 32080	18,740 lbs	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	8.5
Palfinger	PK 33002-EH	22,050 lbs	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 34002-SH	22,100 lbs	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	10.02
Palfinger	PK 37002	28,440 lbs	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	11
Palfinger	PK 40002-EH	31,500 lbs	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.2
Palfinger	PK 50002-EH	37,030 lbs	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	16.79
Palfinger	PK 63002-EH	48,500 lbs	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	22
Palfinger	PK 76002-EH	50,710 lbs	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	23
Palfinger	PK 88002-EH	66,200 lbs	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	30
Palfinger	PK 100002	55,100 lbs	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	25
Palfinger	PK 165.002 TEC	70,600 lbs	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	32
PM	2.8	2,185 lbs	695 @ 23 ft 7 in	33 ft 2 in	23 ft 7 in	6 ft 1 in	850 lbs	2.5
PM	3.6	2,185 lbs	730 @ 24 ft 5 in	33 ft 8 in	24 ft 5 in	6 ft 2 in	915 lbs	2.9
PM	4	2,185 lbs	620 @ 29 ft	38 ft 3 in	29 ft	6 ft 8 in	1155 lbs	3.9
PM	0.708	2,690 lbs	695 @ 29 ft	38 ft 3 in	29 ft	6 ft 8 in	1155 lbs	3.9
PM	6.5 P	3,640 lbs	860 @ 31 ft	41 ft 4 in	31 ft	6 ft 8 in	1605 lbs	4.7
PM	8.5 P	4,410 lbs	995 @ 34 ft 5 in	44 ft 3 in	34 ft 5 in	6 ft 8 in	1605 lbs	5.5
PM	9.5 P	5,290 lbs	550 @ 40 ft 8 in	46 ft 7 in	40 ft 8 in	6 ft 6 in	2325 lbs	8.9
PM	11.5 P	6,350 lbs	460 @ 54 ft 6 in	65 ft 11 in	54 ft 6 in	6 ft 9 in	2790 lbs	11.4

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 (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
PM	13 P	6,370 lbs	620 @ 49 ft 8 in	60 ft 4 in	49 ft 8 in	7 ft	3040 lbs	12
PM	15.5	7,160 lbs	1,480 @ 46 ft 3 in	58 ft 1 in	46 ft 3 in	7 ft 3 in	3905 lbs	14.7
PM	16.5 S	8,070 lbs	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,270 lbs	15
PM	18 SP	5,755 lbs	600 @ 71 ft 2 in	84 ft 10 in	71 ft 2 in	7 ft 3 in	4,255 lbs	16.2
PM	21.5 S	11,510 lbs	1,195 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 9 in	4,700 lbs	20.2
PM	23.5 SP	11,465 lbs	530 @ 78 ft 9 in	96 ft 11 in	78 ft 9 in	7 ft 4 in	4,685 lbs	21.3
PM	24 PX	11,930 lbs	3,230 @ 39 ft 6 in	53 ft 4 in	39 ft 6 in	7 ft 5 in	4,315 lbs	21.9
PM	26.5 S	12,835 lbs	1,345 @ 70 ft 8 in	83 ft 6 in	70 ft 8 in	7 ft 9 in	5,735 lbs	24
PM	27.5 S PX	12,760 lbs	1,340 @ 71 ft	83 ft 2 in	71 ft	7 ft 9 in	5,490 lbs	24.4
PM	28.5 S	13,514 lbs	397 @ 87 ft 9 in	101 ft 3 in	87 ft 9 in	7 ft 9 in	5,732 lbs	25.1
PM	30.5 S	13,730 lbs	445 @ 87 ft 11 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,845 lbs	25.7
PM	32.5 S PX	15,700 lbs	3,500 @ 48 ft 9 in	61 ft 6 in	48 ft 9 in	7 ft 9 in	6,460 lbs	30.4
PM	36.5 S	17,480 lbs	1870 @ 70 ft 8 in	83 ft 6 in	70 ft 8 in	7 ft 9 in	6,835 lbs	32.7
PM	38.5 SP	17,795 lbs	995 @ 88 ft 1 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,812 lbs	33.2
PM	40.5 SP	18,340 lbs	2,230 @ 88 ft 1 in	101 ft 3 in	70 ft 8 in	7 ft 9 in	6,935 lbs	34.4
PM	45 SP	21,716 lbs	1,433 @ 80 ft 2 in	91 ft 8 in	80 ft 2 in	8 ft 1 in	9,605 lbs	41.2
PM	50 P	24,890 lbs	1,010 @ 79 ft 9 in	93 ft 2 in	79 ft 9 in	7 ft 11 in	9,460 lbs	46
PM	53 SP	23,635 lbs	1,215 @ 94 ft 6 in	109 ft 11 in	94 ft 6 in	8 ft 3 in	10,675 lbs	47.7
PM	65 SP	30,530 lbs	1,330 @ 99 ft 4 in	113 ft 8 in	99 ft 4 in	8 ft 1 in	13,440 lbs	59.4
PM	85 SP	35,270 lbs	1,430 @ 101 ft 4 in	115 ft 10 in	101 ft 4 in	8 ft 2 in	16,050 lbs	71.2
PM	100 SP	42,220 lbs	1,630 @ 109 ft 9 in	122 ft 6 in	109 ft 9 in	8 ft 2 in	16,790 lbs	84
PM	150 SP	54,010 lbs	1,830 @ 115 ft 2 in	127 ft 6 in	115 ft 2 in	8 ft 8 in	24,585 lbs	107.6
PM	210 SP	48,150 lbs	1,390 @ 148 ft 11 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085 lbs	150.3

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
IMT	2.5/18	1740 lb (790 kg)	715 @ 22 ft 8 in	28' 1" (8.6 m)	23' (7 m)	5 ft	850 lb (386 kg)	0.87
Amco Veba	803	1,790 lbs	680 @ 24 ft 3 in	31 ft 8 in	24 ft 3 in	63 in	1190 lbs	0.895
Amco Veba	SC2017	1,850 lbs	1,060 @ 17 ft 0 in	18 ft 1 in	17 ft 0 in	49 in	990 lbs	0.925
Amco Veba	103	2,870 lbs	730 @ 22 ft 2 in	30 ft 2 in	22 ft 2 in	65 in	930 lbs	0.9349
Amco Veba	601T	1,900 lbs	510 @ 12 ft 0 in	12 ft 8 in	6 ft 3 in	49 in	630 lbs	0.95
Bigmax	TC100	1,900 lbs	505 lbs @ 12 ft 0 in	12 ft 8 in	9 ft 2 in	49 in	319 lbs	0.95
Cormach	12000 EF	1 t	395 lbs @ 58 ft 10 in	68FT	52 ft	7 ft 1 in	4530 lbs	1
Fassi	M10A 12	2194 lbs	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396 lbs	1
Fassi	F22A.0.22	2193 lbs	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881 lbs	1
Fassi	F28A.0.23	2193 lbs	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1,025 lbs	1
Fassi	F38A.0.23	2193 lbs	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1,267 lbs	1
IMT	3.2/23	2195 lb (995 kg)	960 @ 23 ft 4 in	29' 3" (8.9 m)	23' (7 m)	5 ft 2 in	920 lb (418 kg)	1.1
Amco Veba	602T	2,590 lbs	690 @ 12 ft 0 in	12 ft 6 in	9 ft 2 in	49 in	680 lbs	1.295
Bigmax	TC130	2,590 lbs	693 lbs @ 12 ft 0 in	12 ft 6 in	9 ft 2 in	49 in	385 lbs	1.295
Bigmax	ECO 3	2860 lbs	730 @ 22 ft 2 in	30 ft 6 in	22 ft 2 in	65 in	858 lbs	1.43
Bigmax	TC160	2895 lbs	705 lbs @ 12 ft 0 in				385 lbs	1.4475
Amco Veba	105	4,740 lbs	1,200 @ 23 ft 0 in	32 ft 2 in	23 ft 0 in	77 in	1,580 lbs	1.49
Amco Veba	603T	3,510 lbs	880 @ 13 ft 7 in	18 ft 1 in	13 ft 8 in	61 in	830 lbs	1.755
Bigmax	TC200	3,510 lbs	639 lbs @ 16 ft 10 in	18 ft 1 in	13 ft 8 in	61 in	475 lbs	1.755
Amco Veba	804	3,570 lbs	530 @ 35 ft 4 in	39 ft 4 in	30 ft 7 in	73 in	1,880 lbs	1.78
Amco Veba	SC4021	3,860 lbs	1,760 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	46 in	1,280 lbs	1.93
Effer	42/4S	1.8 t	0.33	37 ft 8 in	29 ft 8 in	67 in	1,280 lbs	1.984
Cormach	4000 E	2 t	680 lbs @ 33 ft 5 in	43FT	27 ft 6 in	5 ft 9 in	1520 lbs	2
Fassi	M30A 13	4404 lbs	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573 lbs	2
Bigmax	TC260	4100 lbs	902 lbs @ 16 ft 10 in				535 lbs	2.05
Amco Veba	805	4,250 lbs	790 @ 30 ft 4 in	40 ft 8 in	30 ft 4 in	73 in	1,930 lbs	2.125
Amco Veba	807N	5,880 lbs	910 @ 39 ft 4 in	43 ft 8 in	34 ft 1 in	77 in	2,470 lbs	2.175
Amco Veba	604T	4,530 lbs	1,320 @ 13 ft 11 in	18 ft 2 in	13 ft 11 in	63 in	1,010 lbs	2.265
Bigmax	TC300	4,530 lbs	1012 lbs @ 17 ft 1 in	18 ft 2 in	13 ft 11 in	63 in	554 lbs	2.265

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum	Load at	Maximum Hook	Powered Boom	Installed Weight (metric tons or pounds)	Capacity US tons			
		Lifting Capacity (pounds)	Maximum Radius (feet/inches)	Height (feet/inches)	Length (feet/inches)			Height (feet/inches)	Length (feet/inches)	Height (feet/inches)
Amco Veba	805T	4,590 lbs	940 @ 24 ft 7 in	33 ft 6 in	24 ft 7 in	74 in	2.295			
Amco Veba	SC6421	4,850 lbs	2,870 @ 21 ft 5 in	26 ft 3 in	21 ft 5 in	65 in	2.425			
Amco Veba	108	8,320 lbs	1,480 @ 29 ft 6 in	32 ft 2 in	25 ft 0 in	80 in	2.475			
Fassi	F50A.0.24	5004 lbs	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	2.5			
PM	2.8	2,185 lbs	695 @ 23 ft 7 in	33 ft 2 in	23 ft 7 in	6 ft 1 in	2.5			
Amco Veba	SC5421	5,180 lbs	2,430 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	49 in	2.59			
Amco Veba	605T	5,270 lbs	1,150 @ 19 ft 5 in	23 ft 0 in	19 ft 5 in	69 in	2.635			
Bigmax	TC350	5,270 lbs	893 lbs @ 23 ft 0 in	23 ft 0 in	19 ft 5 in	69 in	2.635			
Amco Veba	JT250	5,510 lbs	3,090 @ 41 ft 10 in	54 ft 2 in	41 ft 10 in	101 in	2.755			
Effer	65/4S	2.5 t	0.5	42 ft 2 in	34 ft 1 in	78 in	2.755			
Amco Veba	806N	5,880 lbs	880 @ 39 ft 4 in	43 ft 4 in	34 ft 1 in	77 in	2.9			
PM	3.6	2,185 lbs	730 @ 24 ft 5 in	33 ft 8 in	24 ft 5 in	6 ft 2 in	2.9			
Cormach	6800 E	3 t	1120 lbs @ 33 ft 2 in	43FT	27 ft 3 in	5 ft 7 in	3			
Cormach	8700 E	3 t	700 lbs @ 45 ft	55FT	37 ft 7 in	6 ft 7 in	3			
Cormach	16600 EF	3 t	772 lbs @ 61 ft	70 FT	54 ft 6 in	7 ft 7 in	3			
Fassi	F65A.0.24	6613 lbs	760 lbs @ 39 ft 10 in	46 ft 2 in	15 ft 10 in	6 ft 3 in	3			
IMT	610K-MC	5986 lb (2715 kg)	838 @ 35 ft 4 in	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	3			
Amco Veba	SC6721	6,170 lbs	2,930 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	92 in	3.085			
Effer	80/4S	2.8 t	0.6	43 ft 4 in	35 ft 4 in	82 in	3.086			
IMT	610K-MCS/RC	6526 lb (2960 kg)	948 @ 35 ft 4 in	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	3.3			
Palfinger	PK 5.001 SLD	7,300 lbs	640 @ 36 ft 5 in	n/s	36 ft 5 in	n/s	3.31			
Palfinger	PK 7.001 SLD	7,300 lbs	930 @ 36 ft 9 in	n/s	36 ft 9 in	n/s	3.31			
IMT	710K-RCS	6746 lb (3060 kg)	992 @ 35 ft 5 in	43' 11" (13.4 m)	35' 5" (10.8 m)	6 ft 2 in	3.4			
Amco Veba	808N	6,970 lbs	1,040 @ 39 ft 6 in	43 ft 8 in	34 ft 3 in	77 in	3.485			
Amco Veba	JT330	7,050 lbs	2,030 @ 55 ft 7 in	67 ft 7 in	55 ft 7 in	101 in	3.525			
Amco Veba	809T	7,280 lbs	1,600 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	91 in	3.64			
Bigmax	TO 670	7,280 lbs	1,520 @ 27 ft 9 in	32 ft 3 in	27 ft 9 in	79 in	3.64			
Bigmax	TO 840	7,280 lbs	1,600 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	91 in	3.64			
Cormach	22500 EF	3.8 t	620 lbs @ 71 ft 5 in	82FT	71 ft 5 in	7 ft 6 in	3.8			
IMT	810K-MC	7562 lb (3430 kg)	1135 @ 36 ft 1 in	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	3.8			
PM	4	2,185 lbs	620 @ 29 ft	38 ft 3 in	29 ft	6 ft 8 in	3.9			
PM	0.708333333	2,690 lbs	695 @ 29 ft	38 ft 3 in	29 ft	6 ft 8 in	3.9			
Fassi	F85B.0.24	8377 lbs	903 lbs @ 43 ft 31 in	50 ft 4 in	30 ft 7 in	6 ft 5 in	4			
Effer	100/4S	3.7 t	0.75	43 ft 7 in	34 ft 7 in	85 in	4.078			
IMT	810K-MCS/RC	8245 lb (3740 kg)	1267 @ 36 ft 1 in	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	4.1			
IMT	9/65SL	8380 lb (3800 kg)	950 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7 FT	4.2			
IMT	910K-RCS	8509 lb (3860 kg)	1322 @ 36 ft 1 in	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	4.3			
Amco Veba	111	8,820 lbs	1,500 @ 36 ft 6 in	41 ft 8 in	30 ft 1 in	90 in	4.41			
Amco Veba	811T	8,950 lbs	2,070 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	91 in	4.475			
Bigmax	TO 1030	8,950 lbs	2,070 @ 31 ft 4 in	42 ft 8 in	31 ft 4 in	91 in	4.475			
IMT	9/65DL	9040 lb (4100 kg)	905 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7 FT	4.5			
IMT	10/72SL	9722 lb (4410 kg)	1190 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7 FT	4.6			
IMT	10/72DL	10,384 lb (4710 kg)	1124 @ 45 ft 7 in	53' 4" (16.3 m)	45' 11" (14 m)	7FT	4.6			
IMT	11/78SL	9170 lb (4160 kg)	1015 @ 48 ft 11 in	56' 9" (17.3 m)	49' 3" (15 m)	7 FT	4.6			
Amco Veba	810C	9,230 lbs	1,230 @ 39 ft 10 in	51 ft 2 in	39 ft 10 in	86 in	4.615			
PM	6.5 P	3,640 lbs	860 @ 31 ft	41 ft 4 in	31 ft	6 ft 8 in	4.7			
Amco Veba	911C	9,440 lbs	1,340 @ 39 ft 10 in	51 ft 2 in	39 ft 10 in	86 in	4.72			
Amco Veba	810	9,480 lbs	960 @ 45 ft 1 in	56 ft 9 in	45 ft 1 in	86 in	4.74			
Amco Veba	911	9,700 lbs	1,050 @ 45 ft 1 in	56 ft 9 in	45 ft 1 in	86 in	4.85			
IMT	11/78DL	9280 lb (4210 kg)	1015 @ 48 ft 11 in	56' 9" (17.3 m)	49' 3" (15 m)	7 FT	4.9			
Effer	130/145	4.5 t	0.5	62 ft 1 in	55 ft 1 in	89 in	4.96			
Cormach	12000 E	5 t	625 lbs @ 50 ft	60FT	37 ft	7 ft 1 in	5			
Cormach	230000 EF	5 t	1500 lbs @ 150 ft	164FT	150 ft	9 ft 6 in	5			
Fassi	F95A.0.24	9744 lbs	220 lbs @ 59 ft 6 in	66 ft 8 in	30 ft 6 in	7 ft 2 in	5			
Fassi	F135A.2.26	10251 lbs	110 lbs @ 81 ft 4 in	89 ft	40 ft 4 in	7 ft 9 in	5			
Fassi	F155A.0.26	11023 lbs	220 lbs @ 81 ft 4 in	89 ft	45 ft 4 in	7 ft 9 in	5			
IMT	12/86SL	10,626 lb (4820 kg)	1301 @ 48 ft 10 in	56' 9" (17.3 m)	49' 2" (15 m)	7 FT 5 IN	5			
IMT	12/86DL	10,670 lb (4840 kg)	1,279 @ 48 ft 10 in	56' 9" (17.3 m)	49' 2" (15 m)	7 FT	5.1			
IMT	13/88SL	9920 lb (4500 kg)	750 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT	5.1			

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Powered Boom Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
Amco Veba	812	10,430 lbs	660 @ 54 ft 3 in	57 ft 9 in	46 ft 11 in	93 in	4,120 lbs	5.215
Amco Veba	913	10,580 lbs	620 @ 62 ft 0 in	72 ft 6 in	62 ft 0 in	93 in	4,410 lbs	5.29
IMT	13/88DL	10,780 lb (4890 kg)	750 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT 5 IN	3000 lb (1360 kg)	5.4
IMT	14/98SL	11,680 lb (5300 kg)	1035 @ 56 ft 5 in	64' 8" (19.7 m)	56' 8" (17.3 m)	7 FT 4 IN	2890 lb (1310 kg)	5.5
PM	8.5 P	4,410 lbs	995 @ 34 ft 5 in	44 ft 3 in	34 ft 5 in	6 ft 8 in	1605 lbs	5.5
Palfinger	PK 11001 CM	12,400 lbs	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	5.6
Palfinger	PK 8.501 SLD	12,570 lbs	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	5.7
Palfinger	PK 11.001 SLD	12,570 lbs	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	5.7
Palfinger	PK 12.501 SLD	12,570 lbs	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	5.7
Palfinger	PK 9.501 SLD	12,600 lbs	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	5.71
Palfinger	PK 8501 CM	12,600 lbs	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	5.71
Amco Veba	814C	11,460 lbs	1,280 @ 41 ft 7 in	59 ft 2 in	47 ft 3 in	91 in	5,800 lbs	5.73
IMT	14/98DL	12,275 lb (5570 kg)	1015 @ 56 ft 5 in	64' 8" (19.7 m)	56' 8" (17.3 m)	7 FT 4 IN	3000 lb (1,360 kg)	5.9
IMT	15/105SL	12,125 lb (5500 kg)	1060 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT 5 IN	3020 lb (1370 kg)	5.9
Palfinger	PK 13002	13,200 lbs	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	5.98
Palfinger	PK 14002-EH	13,200 lbs	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	5.98
Cormach	22500 E	6 t	1960 lbs @ 52 ft	62FT	52 ft	7 ft 6 in	5160 lbs	6
Fassi	F110A.24	11904 lbs	396 lbs @ 59 ft 2 in	66 ft 2 in	30 ft 6 in	7 ft 2 in	4,309 lbs	6
Fassi	F135A.0.25	12632 lbs	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,783 lbs	6
Fassi	F175A.2.26	11794 lbs	242 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495 lbs	6
Effer	155/165	5.5 t	0.7	72 ft 11 in	62 ft 9 in	90 in	4,871 lbs	6.06
Palfinger	PK 18500	17,673 lbs	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	6.09
Palfinger	PK 19502	13,500 lbs	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 22002-EH	13,500 lbs	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Amco Veba	815	12,240 lbs	840 @ 54 ft 3 in	62 ft 6 in	46 ft 11 in	93 in	4,920 lbs	6.12
Palfinger	PK 15500	13,670 lbs	1430@47 ft 7 in	n/s	47 ft 7 in	n/s	3570	6.2
Palfinger	PK 16002	13,440 lbs	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.2
Palfinger	PK 18002-EH	13,440 lbs	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.2
IMT	15/105DL	13,470 lb (6110 kg)	1060 @ 56 ft 5 in	64' 8" (19.7 m)	56' 5" (17.2 m)	7 FT 5 IN	3130 lb (1420 kg)	6.4
Cormach	34000 EF	6.5 t	816 lbs @ 87 ft	98FT	87 ft	8 ft 2 in	10100 lbs	6.5
Fassi	F195A.2.26	12896 lbs	286 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,495 lbs	6.5
Amco Veba	115	13,120 lbs	2,250 @ 36 ft 5 in	41 ft 8 in	30 ft 6 in	96 in	3,307 lbs	6.56
IMT	17/117SL	13,445 lb (6100 kg)	1390 @ 56 ft 5 in	64' 7" (19.7 m)	56' 8" (17.3 m)	7 FT 5 IN	3020 lb (1370 kg)	6.7
Amco Veba	816T	13,580 lbs	1,500 @ 47 ft 3 in	52 ft 4 in	41 ft 4 in	94 in	4280 lbs	6.79
Palfinger	PK 12000	14,970 lbs	1170@47 ft 11 in	n/s	47 ft 11 in	n/s	3040	6.79
IMT	17/117DL	15,625 lb (7090 kg)	1390 @ 56 ft 5 in	64' 7" (19.7 m)	56' 8" (17.3 m)	7 ft 6 in	3130 lb (1420 kg)	6.9
Amco Veba	815T	14,000 lbs	1,540 @ 47 ft 1 in	43 ft 4 in	33 ft 0 in	99 in	3,970 lbs	7
Cormach	16600 E	7 t	2050 lbs @ 40 ft	50FT	40 ft	7 ft 6 in	4145 lbs	7
Cormach	28200 E	7 t	1543 lbs @ 64 ft 8 in	75FT	64 ft 8 in	7 ft 4 in	6000 lbs	7
Fassi	F155A.0.25	13911 lbs	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4,795 lbs	7
Fassi	F215A.2.26	13668 lbs	330 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7,716 lbs	7
Amco Veba	817T	14,330 lbs	2,650 @ 33 ft 0 in	43 ft 4 in	33 ft 0 in	99 in	4,080 lbs	7.165
Amco Veba	818T	14,400 lbs	1,640 @ 47 ft 3 in	52 ft 0 in	41 ft 4 in	94 in	4,320 lbs	7.2
Cormach	38000 EF	7.3 t	495 lbs @ 94 ft 8 in	106FT	81 ft 4 in	7 ft 8 in	11530 lbs	7.3
IMT	18/124SL	13,800 lb (6260 kg)	615 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	3900 lb (1770 kg)	7.4
IMT	18/124DL	14,265 lb (6470 kg)	615 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 FT 5 IN	4055 lb (1840 kg)	7.4
Cormach	19500 E	7.5 t	2500 lbs @ 40 ft	50FT	40 ft	7 ft 6 in	4400 lbs	7.5
IMT	20/138SL	16,200 lb (7350 kg)	950 @ 70 ft 10 in	79' 1" (24.1 m)	70' 10" (21.6 m)	7 FT 9 IN	3900 lb (1770 kg)	7.5
IMT	20/138DL	16,265 lb (7380 kg)	950 @ 70 ft 6 in	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4055 lb (1840 kg)	7.7
Effer	210	7 t	0.7	63 ft 10 in	56 ft 9 in	100 in	6,564 lbs	7.72
Amco Veba	817C	15,810 lbs	1,100 @ 54 ft 6 in	58 ft 2 in	47 ft 3 in	91 in	5800 lbs	7.9
IMT	22/153SL	17,065 lb (7740 kg)	880 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4180 lb (1895 kg)	7.9
Cormach	34000 E	8 t	1720 lbs @ 68 ft 3 in	80FT	68 ft 3 in	7 ft 1 in	7780 lbs	8
Amco Veba	817	16,090 lbs	1,010 @ 60 ft 4 in	65 ft 0 in	53 ft 2 in	91 in	5,950 lbs	8.045
Amco Veba	820T	16,620 lbs	1,100 @ 66 ft 9 in	57 ft 9 in	46 ft 1 in	98 in	5,400 lbs	8.31
Cormach	87000 EF	8.5 t	1764 lbs @ 99 ft	111FT	99 ft	9 ft 8 in	22000 lbs	8.5
Fassi	F175A.0.25	17636 lbs	220 lbs @ 80 ft 6 in	88 ft	37 ft 8 in	7 ft 10 in	6,547 lbs	8.5
Fassi	F245A.2.28	17636 lbs	473 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500 lbs	8.5
Fassi	F275A.2.28	17636 lbs	606 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9,500 lbs	8.5

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Powered Boom Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
IMT	22/153DL	17,550 lb (7960 kg)	880 @ 70 ft 10 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4365 lb (1980 kg)	8.5
Palfinger	PK 32080	18,740 lbs	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	8.5
IMT	26/180SL	18,940 lb (8590 kg)	1345 @ 70 ft 6 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4180 lb (1895 kg)	8.8
Palfinger	PK 23502	19,600 lbs	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 26002-EH	19,600 lbs	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
PM	9.5 P	5,290 lbs	550 @ 40 ft 8 in	46 ft 7 in	40 ft 8 in	6 ft 6 in	2325 lbs	8.9
Amco Veba	120	17,950 lbs	3,350 @ 36 ft 5 in	43 ft 6 in	30 ft 3 in	98 in	5115 lbs	8.96
Palfinger	PK 30002	22,050 lbs	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 33002-EH	22,050 lbs	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Effer	250	8.5 t	0.9	63 ft 10 in	56 ft 6 in	98 in	6,865 lbs	9.37
Fassi	F195A.0.25	19102 lbs	330 lbs @ 80 ft 8 in	88 ft	43 ft 8 in	7 ft 10 in	6,889 lbs	9.5
Fassi	F245A.0.26	19620 lbs	551 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500 lbs	9.5
Fassi	F275A.0.26	29762 lbs	617 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8,500 lbs	9.5
IMT	26/180DL	19,355 lb (8780 kg)	1345 @ 70 ft 6 in	79' 1" (24.1 m)	71' 2" (21.7 m)	7 ft 6 in	4365 lb (1980 kg)	9.5
IMT	32/222	15,058 lb (6830 kg)	1764 @ 69 ft 7 in	77' 10" (23.7 m)	69' 7" (21.2 m)	7 FT 10 in	5710 lb (2590 kg)	9.5
Amco Veba	123	19,140 lbs	3,640 @ 36 ft 5 in	42 ft 1 in	30 ft 3 in	98 in	5181 lbs	9.57
Amco Veba	924C	19,400 lbs	1,210 @ 68 ft 3 in	59 ft 5 in	47 ft 7 in	92 in	6,970 lbs	9.7
IMT	40/275	19,025 lb (8630 kg)	2225 @ 69 ft 11 in	79' (24.1 m)	69' 11" (21.3 m)	7 ft 6 in	7165 lb (3250 kg)	9.7
Palfinger	PK 23500	22,046 lbs	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	9.9
Amco Veba	820	19,840 lbs	1,210 @ 60 ft 4 in	65 ft 0 in	53 ft 2 in	91 in	6,390 lbs	9.92
Amco Veba	924	19,970 lbs	890 @ 74 ft 2 in	79 ft 1 in	67 ft 3 in	92 in	7,610 lbs	9.985
Fassi	F215A.0.25	20657 lbs	385 lbs @ 80 ft 6 in	88 ft	43 ft 8 in	7 ft 10 in	6,889 lbs	10
Palfinger	PK 34002-SH	22,100 lbs	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	10.02
Amco Veba	823	20,720 lbs	1,410 @ 60 ft 4 in	65 ft 0 in	53 ft 2 in	91 in	6,460 lbs	10.36
Amco Veba	825	20,720 lbs	1,720 @ 58 ft 9 in	62 ft 4 in	52 ft 7 in	92 in	8,230 lbs	10.36
Cormach	51800 EF	10.5 t	2730 lbs @ 66 ft 6 in	77FT	66 ft 6 in	8 ft	15500 lbs	10.5
Fassi	F295A.2.28	19841 lbs	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F335A.2.28	20943 lbs	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F295RA.2.28	19841 lbs	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Fassi	F335RA.2.28	20943 lbs	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500 lbs	10.5
Amco Veba	828	21,160 lbs	1,920 @ 58 ft 9 in	62 ft 4 in	52 ft 7 in	92 in	8,340 lbs	10.58
Cormach	38000 E	11 t	2030 lbs @ 61 ft 6 in	72FT	61 ft ft 6 in	7 ft 8 in	9300 lbs	11
Palfinger	PK 37002	28,440 lbs	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	11
Effer	275/305	10 t	0.8	90 ft 11 in	83 ft 10 in	100 in	7,935 lbs	11.02
Amco Veba	950	22,580 lbs	2,310 @ 74 ft 10 in	81 ft 1 in	67 ft 7 in	98 in	13,050 lbs	11.29
Amco Veba	946	22,050 lbs	2,200 @ 74 ft 10 in	81 ft 1 in	67 ft 7 in	98 in	12,960 lbs	11.3
IMT	50/345	22,840 lb (10,360 kg)	3085 @ 70 ft 3 in	78' 11" (24.1 m)	70' 3" (21.4 m)	7 FT 10 in	8180 lb (3710 kg)	11.4
PM	11.5 P	6,350 lbs	460 @ 54 ft 6 in	65 ft 11 in	54 ft 6 in	6 ft 9 in	2790 lbs	11.4
PM	13 P	6,370 lbs	620 @ 49 ft 8 in	60 ft 4 in	49 ft 8 in	7 ft	3040 lbs	12
Amco Veba	933C	25,020 lbs	1,760 @ 64 ft 4 in	69 ft 11 in	64 ft 4 in	101 in	10,520 lbs	12.51
Amco Veba	929	25,130 lbs	1260 @ 76 ft 5 in	80 ft 6 in	69 ft 2 in	93 in	9,630 lbs	12.57
Amco Veba	936C	25,420 lbs	1,760 @ 64 ft 4 in	80 ft 5 in	64 ft 4 in	101 in	10,520 lbs	12.71
Amco Veba	933	25,790 lbs	880 @ 77 ft 5 in	80 ft 5 in	69 ft 5 in	101 in	10,670 lbs	12.895
Cormach	71000 EF	12.9 t	1100 lbs @ 98 ft 5 in	110FT	98 ft 5 in	9 ft 7 in	18000 lbs	12.9
Fassi	F385R.2.28	26455 lbs	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500 lbs	13
Fassi	F385RA.2.28	26455 lbs	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500 lbs	13
Amco Veba	936	26,680 lbs	900 @ 77 ft 5 in	82 ft 0 in	69 ft 5 in	101 in	10,670 lbs	13.34
Cormach	180000 EF	13.7 t	1480 lbs @ 130 ft	142FT	130 ft	9 ft	43500 lbs	13.7
IMT	60/427	27,845 lb (12,630 kg)	4210 @ 67 ft 3 in	76' 9" (23.4 m)	67' 7" (20.6 m)	7 FT 11 in	9735 lb (4415 kg)	13.9
Palfinger	PK 40002-EH	31,500 lbs	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.2
PM	15.5	7,160 lbs	1,480 @ 46 ft 3 in	58 ft 1 in	46 ft 3 in	7 ft 3 in	3905 lbs	14.7
Fassi	F455A.2.28	29762 lbs	485 lbs @ 101 ft 10 in	115 ft	72 ft 11 in	8 ft 6 in	20,950 lbs	15
Fassi	F455RA.2.28	29762 lbs	485 lbs @ 101 ft 10 in	115 ft	72 ft 11 in	8 ft 6 in	20,950 lbs	15
PM	16.5 S	8,070 lbs	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,270 lbs	15
Cormach	51800 E	15.4 t	3350 lbs @ 61 ft	71FT	61 ft	8 ft	11180 lbs	15.4
PM	18 SP	5,755 lbs	600 @ 71 ft 2 in	84 ft 10 in	71 ft 2 in	7 ft 3 in	4,255 lbs	16.2
Cormach	135000 EF	16.5 t	2756 lbs @ 105 ft 9 in	118 FT	105 ft 9 in	9 ft 8 in	32000 lbs	16.5
Fassi	F510RA.2.28	33069 lbs	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	20,950 lbs	16.5
Effer	340/370	15 t	1	93 ft 7 in	86 ft 6 in	106 in	9,694 lbs	16.53

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (meters or feet)	Installed Weight (metric tons or pounds)	Capacity US tons
Effer	440/470	15 t	1.4	78 ft 2 in	70 ft 9 in	101 in	10,126 lbs	16.53
Palfinger	PK 50002-EH	37,030 lbs	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	16.79
IMT	80/565	35,410 lb (16,060 kg)	6285 @ 66 ft 7 in	76' 9" (23.4 m)	66' 11" (20.4 m)	8 FT 2 in	12,345 lb (5600 kg)	17.2
Fassi	F660RA.2.28	35273 lbs	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	22,800 lbs	17.5
Cormach	71000 E	17.6 t	2930 lbs @ 80 ft 5 in	92FT	80 ft 5 in	8 ft 6 in	13200 lbs	17.6
Amco Veba	VR75	35,490 lbs	2,780 @ 87 ft 7 in	94 ft 2 in	79 ft 11 in	104 in	19,400 lbs	17.745
Amco Veba	VR85	37,700 lbs	2,870 @ 87 ft 8 in	94 ft 2 in	79 ft 11 in	104 in	20,500 lbs	18.85
PM	21.5 S	11,510 lbs	1,195 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 9 in	4,700 lbs	20.2
Effer	635/655	19.3 t	1.7	104 ft 8 in	96 ft 6 in	104 in	14,640 lbs	21.27
PM	23.5 SP	11,465 lbs	530 @ 78 ft 9 in	96 ft 11 in	78 ft 9 in	7 ft 4 in	4,685 lbs	21.3
PM	24 PX	11,930 lbs	3,230 @ 39 ft 6 in	53 ft 4 in	39 ft 6 in	7 ft 5 in	4,315 lbs	21.9
Cormach	87000 E	22 t	3770 lbs @ 79 ft 8 in	91FT	79 ft 8 in	8 ft 8 in	15800 lbs	22
Palfinger	PK 63002-EH	48,500 lbs	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	22
Palfinger	PK 76002-EH	50,710 lbs	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	23
Fassi	F800RA.2.28	48501 lbs	727 lbs @ 109 ft 10 in	124 ft	75 ft 9 in	8 ft 6 in	24,600 lbs	24
Fassi	F950RA.2.28	48501 lbs	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	27,600 lbs	24
PM	26.5 S	12,835 lbs	1,345 @ 70 ft 8 in	83 ft 6 in	70 ft 8 in	7 ft 9 in	5,735 lbs	24
PM	27.5 S PX	12,760 lbs	1,340 @ 71 ft	83 ft 2 in	71 ft	7 ft 9 in	5,490 lbs	24.4
Palfinger	PK 100002	55,100 lbs	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	25
PM	28.5 S	13,514 lbs	397 @ 87 ft 9 in	101 ft 3 in	87 ft 9 in	7 ft 9 in	5,732 lbs	25.1
PM	30.5 S	13,730 lbs	445 @ 87 ft 11 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,845 lbs	25.7
Effer	1355	24 t	3.6	111 ft 7 in	104 ft 10 in	105 in	22,125 lbs	26.46
Fassi	F1100RA.2.28	55115 lbs	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	30,000 lbs	27.5
Fassi	F1300RA.2.28	55115 lbs	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500 lbs	27.5
Effer	750/850	26 t	2.2	82 ft 6 in	75 ft 9 in	98 in	16,520 lbs	28.66
Effer	955	27 t	6215 lbs @ 67' 6"	80 ft	110 ft	106 in	17,510 lbs	28.66
Fassi	F1950RAL.2.28	58973 lbs	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000 lbs	29
Palfinger	PK 88002-EH	66,200 lbs	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	30
PM	32.5 S PX	15,700 lbs	3,500 @ 48 ft 9 in	61 ft 6 in	48 ft 9 in	7 ft 9 in	6,460 lbs	30.4
Effer	1405	28 t	7535 lbs @ 72' 3"	113 ft 5 in	106 ft 4 in	113 in	n/s	30.86
Fassi	F2150RAL.2.28	63272 lbs	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000 lbs	32
Palfinger	PK 165.002 TEC	70,600 lbs	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	32
PM	36.5 S	17,480 lbs	1870 @ 70 ft 8 in	83 ft 6 in	70 ft 8 in	7 ft 9 in	6,835 lbs	32.7
Cormach	135000 E	33 t	10140 lbs @ 62 ft 4 in	75FT	62 ft 4 in	8 ft 6 in	26000 lbs	33
Cormach	180000 E	33 t	7981 lbs @ 78 ft 6 in	89FT	53 ft 9 in	8 ft 10 in	35900 lbs	33
Fassi	F1500RA.2.28	66138 lbs	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35,000 lbs	33
PM	38.5 SP	17,795 lbs	995 @ 88 ft 1 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,812 lbs	33.2
PM	40.5 SP	18,340 lbs	2,230 @ 88 ft 1 in	101 ft 3 in	70 ft 8 in	7 ft 9 in	6,935 lbs	34.4
Effer	1750	32 t	5.9	111 ft 10 in	104 ft 9 in	114 in	30,420 lbs	35.27
Effer	2100	37 t	17.2	42 ft 5 in	35 ft 7 in	89 in	35,375 lbs	40.79
PM	45 SP	21,716 lbs	1,433 @ 80 ft 2 in	91 ft 8 in	80 ft 2 in	8 ft 1 in	9,605 lbs	41.2
Effer	2200	37.9 t	4.9	162 ft 1 in	141 ft 10 in	93 in	41,625 lbs	41.78
Fassi	F1950RA.2.28	66138 lbs	727 lbs @ 120 ft 4 in	134 ft 2 in	78 ft 5 in	8 ft 6 in	40,000 lbs	44
Effer	2750	40.7 t	15.3	58 ft 9 in	51 ft 10 in	100 in	42,018 lbs	44.86
Cormach	230000 E	46 t	13500 lbs @ 75 ft 6 in	90FT	75 ft 6 in	9 ft 6 in	45000 lbs	46
PM	50 P	24,890 lbs	1,010 @ 79 ft 9 in	93 ft 2 in	79 ft 9 in	7 ft 11 in	9,460 lbs	46
PM	53 SP	23,635 lbs	1,215 @ 94 ft 6 in	109 ft 11 in	94 ft 6 in	8 ft 3 in	10,675 lbs	47.7
Effer	3000 VR	50 t	18	57 ft 6 in	50 ft 10 in	100 in	48,617 lbs	55.12
PM	65 SP	30,530 lbs	1,330 @ 99 ft 4 in	113 ft 8 in	99 ft 4 in	8 ft 1 in	13,440 lbs	59.4
PM	85 SP	35,270 lbs	1,430 @ 101 ft 4 in	115 ft 10 in	101 ft 4 in	8 ft 2 in	16,050 lbs	71.2
PM	100 SP	42,220 lbs	1,630 @ 109 ft 9 in	122 ft 6 in	109 ft 9 in	8 ft 2 in	16,790 lbs	84
PM	150 SP	54,010 lbs	1,830 @ 115 ft 2 in	127 ft 6 in	115 ft 2 in	8 ft 8 in	24,585 lbs	107.6
PM	210 SP	48,150 lbs	1,390 @ 148 ft 11 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085 lbs	150.3

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at	Max Hook Height (m) or (ft)	Boom Length	Max Travel	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)
		Max Radius (mt@m) or (lbs@ft)		Minimum/Max (m/m) or (ft/in)	Speed (mph) or (km/h)						
Bailey Cranes	Brandon Lite	800lbs @ 16 ft	20ft	8ft-11ft	1.75mph	4,300lbs	34.5in	Battery	75	2.27	2.5
Bailey Cranes	Brandon 6	800lbs @ 16 ft	24ft	8ft-22ft	1.75mph	5,200lbs	34.5in	Battery	75	3.26	3.6
Bailey Cranes	BC-10	1150lbs @ 19 ft	32ft	8ft-22ft	5mph	9,000lbs	60in	Battery	75	4.5	5
Bailey Cranes	BC-18	1,950 lbs @ 30 ft	42ft	11ft6in-30ft	5mph	16,750 lbs	6ft 6in	Battery/Hybrid	75	8.16	9
Bailey Cranes	OMNI Lite	800lbs @ 16 ft	20ft	8ft-11ft	1.75mph	4,300lbs	48	Battery	75	1	1
Bailey Cranes	OMNI 2000	2,000lbs @ 14ft	16ft	4ft	1.75mph	4,300lbs	48	Battery	75	1	1
Broderson	IC-20	1,200 lbs @ 15 ft	27 ft. 9 in.	6 ft./15 ft.	5.5 mph	6,380 lbs	4 ft	D/Dual Fuel	75	2.27	2.5
Broderson	IC-35	1,850 lbs @ 19 ft	33 ft. 7 in.	7 ft. 2 in. - 19 ft. 2 in.	10 mph	7,860 lbs	5 ft	D/Dual Fuel	75	3.6	4
Broderson	IC-40	1,850 lbs @ 19 ft	33 ft. 7 in.	7 ft. 2 in. - 19 ft. 2 in.	10 mph	8,920 lbs	5 ft 4 in	D/Dual Fuel	75	4.08	4.5
Broderson	IC-80-1	3,800 lbs @ 20 ft	37 ft. 5 in.	8 ft. 2 in. - 20 ft. 2 in.	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-2	3,100 lbs @ 24 ft	41 ft. 9 in.	5 in - 24 ft.	22 mph	16,400 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-3	2,150 lbs @ 30 ft	45 ft. 8 in	11 ft. 6 in - 30 ft.	22 mph	16,750 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-200-2	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft. 2 in	18 mph	28,500 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	IC-200-3	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	RT-300	3,200 lbs @ 60 ft	87 ft 11 in	20 ft - 60 ft	23 mph	44,800 lbs	8 ft 4 in	Diesel	75	13.6	15
Broderson	RT-400	3,600 lbs. @ 68 ft	98 ft 21 in.	11 in - 68 ft	24 mph	51,900 lbs	8 ft 5 in	Diesel	75	18.1	20
Broderson	IC-250	3,650 lbs @ 50 ft radius	87 ft 11 in	15 ft 7 in - 50 ft 1 in	18 mph	37,700 lbs	7 ft 10 in	D/LPG	75	16.3	18
Broderson	IC-400	1,900 lbs @ 84 ft	95 ft 18 in.	18 ft - 64 ft 6 in	23 mph	54,900 lbs	8 ft 6 in	Diesel	75	22.7	25
EZ Rig Crane	EzRig	1,950 lbs @ 20 ft	26 ft	9.75/21 ft	n/s	1,300 lbs	2 ft 10 in	E	n/s	1	1.2
Grove	YB4409	.98 t @ 9.45 m	10.06 m	2.9/9.5	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Grove	YB4409XL	.91 t @ 10.21 m	10.66 m	3.8/12.2	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Grove	YB4409-2	.50 t @ 14.63 m	16.76m	4.2/10.0	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	8.1	9
Grove	YB4411	.45 t @ 14.63 m	15.85 m	4.2/10.0	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	9.5	10.5
Grove	GCD15	1.58 t @ 11.55 m	13.41 m	4.6/12.5	33.8 km/h	n/s	n/s	D	n/s	13.6	15
Grove	YB5520	1.71 t @ 15.54 m	25.60 m	5.64/16.61	33.8 km/h	n/s	n/s	D	n/s	18	20
Grove	GCD25	1.19 t @ 20.42 m	27.43 m	7.21/21.6	31.22 km/h	n/s	n/s	D	n/s	22.6	25
Jekko	SPB209	440 lbs @ 21ft	25ft 4in	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG		0.99	1.09
Jekko	SPX312	440 lbs @ 26ft 3in	29ft 6in	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG		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	2.46
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
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	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	4.9	8
Jekko	SPK60	550 lbs @ 56ft01in	82ft4in	16ft1in to 58ft01in		15.5 t	7ft6in	D/E		5.99	6.61
JMG	MC20	550 Lbs @ 12ft11in	20 FT	10in/12ft11in	2.5 Mph	4,400 lbs	3ft1in	E	n/s	2	2.2
JMG	MC22	550 Lbs @ 12ft11in	20 FT	10in/12ft11in	3 Mph	4,500 lbs	3ft1in	E	n/s	2.18	2.4
JMG	MC20S	600 Lbs @ 12ft11in	20 FT	10in/12ft11in	2.5 Mph	5,500 lbs	3ft1in	E	n/s	2.5	2.75
JMG	MC25	600 Lbs @ 12ft11in	20 FT	10in/12ft11in	3 Mph	5,500 lbs	3ft1in	E	n/s	2.5	2.75
JMG	MC32	1030 Lbs @ 13ft1in	22 FT	11in/13ft1in	3 Mph	6,750 lbs	3ft2in	E	n/s	3.18	3.5
JMG	MC40S	1750 Lbs @ 14ft5in	23 FT	8in/14ft5in	3 Mph	10,560 lbs	3ft11in	E	n/s	4.5	4.95
JMG	MC45	1750 Lbs @ 13ft11in	23 FT	8in/13ft11in	5 Mph	10500 lbs	5ft1in	E	n/s	4.5	4.95
JMG	MC60	2100 Lbs @ 18ft1in	28 FT	1ft8in/18ft1in	5 Mph	14300 lbs	5ft5in	E	n/s	6	6.6
JMG	MC85	3600 Lbs @ 15ft8in	26 FT	1ft8in/15ft8in	5 Mph	20000 lbs	5ft7in	E/D	n/s	8.5	9.35
JMG	MC110	4400 Lbs @ 23ft6in	35 FT	3ft3in/23ft6in	5 Mph	29650 lbs	6ft5in	E/D	n/s	11	12.1
JMG	MC160	6200 Lbs @ 24ft7in	36 FT	3ft3in/24ft7in	5 Mph	41000 lbs	6ft9in	E	n/s	16.04	17.65
JMG	MC220	8200 Lbs @ 25ft3in	38 FT	3ft3in/25ft3in	5 Mph	50400 lbs	7ft3in	E	n/s	22.04	24.25
JMG	MC300	10100 Lbs @ 27ft8in	42 FT	3ft3in/27ft8in	5 Mph	59800 lbs	7ft5in	E	n/s	30	33
JMG	MC450	13900 Lbs @ 27ft11in	40 FT	3ft3in/27ft11in	5 Mph	70500 lbs	7ft6in	E	n/s	45.09	49.6
JMG	MC500	14300 Lbs @ 30ft5in	45 FT	3ft3in/30ft5in	3 Mph	83600 lbs	7ft10in	E	n/s	50.09	55.1
JMG	MC600	15400 Lbs @ 30ft5in	45 FT	3ft3in/30ft5in	3 Mph	85800 lbs	7ft10in	E	n/s	60	66
Lift Systems	MBL033	20,800 lbs @ 20.5 ft	33 ft	15-30 ft	1.7	36,000 lbs	6 ft 0 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 lbs	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	MBL075	18,800 lbs @ 35 ft	44 ft	20-44 ft	1.7	49,000 lbs	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 lbs	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL110	29,200 lbs @ 35 ft	44 ft	21-45 ft	1.7	70,000 lbs	8 ft 6 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 lbs	8 ft 6 in	D/LPG	0.85	100	110
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in - 28 ft 1 in	1.36	4,325 lbs	30 in	D/E/LPG/Gas	85	2.81	3.1
Maeda	MC305-2	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in - 41 ft 0 in	1.7	8,800 lbs	51 in	D/E	85	2.97	3.28

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at	Max Hook Height (m) or (ft)	Boom Length	Max Travel	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)
		Max Radius (mt@m) or (lbs@ft)		Minimum/Max (m/m) or (ft/in)	Speed (mph) or (km/h)						
Maeda	MC405	500 lbs @ 52 ft5 in	67 ft 11 in	15 ft6 in-54 ft0 in	2.05	12,400 lbs	55 in	D/E	85	3.84	4.24
Maeda	CC1485	940 lbs @ 52 ft10 in	72 ft 2 in	15 ft6 in-53 ft4 in	1.99	31,747 lbs	8 ft2 in	D	75	6	6.6
Ormig	5.5TM	1660lbs@19ft	29.52ft	12.46/31.16ft	6.83 mph	14,770lbs	5ft	D	n/s	5.5	6.06
Ormig	5.5TME	1660lbs@19ft	29.52ft	12.46/31.16ft	3 mph	15,652lbs	5ft	E	n/s	5.5	6.06
Ormig	10TM	4519lbs@19ft	28ft	14-31ft	8.56mph	22,928lbs	7ft	D	n/s	10	11.02
Ormig	10TME	4519lbs@19ft	28ft	14-31ft	6.35mph	22,928lbs	7ft	E	n/s	10	11.02
Ormig	16TM	5291lbs@22ft	34ft	15-35ft	19.91mph	31,085lbs	7ft50in	D	n/s	16	17.64
Ormig	16TME	5291lbs@22ft	34ft	15-35ft	7.57mph	31,746lbs	7ft50in	E	n/s	16	17.64
Ormig	25TME	9259lbs@25ft	40ft	17-40ft	6.42mph	45194lbs	8ft20in	E	n/s	25	27.56
Ormig	33TM	11023lbs@27ft	47ft	21-45ft	15.53mph	61,729lbs	8ft20in	D	n/s	33	36.8
Ormig	33TME	11023lbs@27ft	47ft	21-45ft	4.39mph	63,493lbs	8ft20in	E	n/s	33	36.8
Ormig	45TME	17416lbs@29ft	46ft	20-47ft	3.34mph	63,934lbs	9ft	E	n/s	45	49.59
Ormig	60TM	22707lbs@34ft	51ft	22-54ft	15.90mph	79,366lbs	9ft8in	D	n/s	60	66.1
Ormig	55/60IE	19180lbs@27ft	40ft	19-43ft	3.90mph	52,910lbs	7ft7in	E	n/s	60	66.1
Ormig	20/25TM	9259lbs@25ft	40ft	17-40ft	17.09mph	39,683lbs	8ft20in	D	n/s	20/25	27.56
Ormig	50/55TM	19621lbs@29	46ft	20-47ft	16.59mph	63,934lbs	8ft20in	D	n/s	50/55	60.63
Riggers Manufacturing	TL100	39,000 lbs@108 in	24.75 ft	0-12 ft	1.7	38,000 lbs	6 ft1 in	D/LPG	n/s	45	50
Riggers Manufacturing	TL150BW	56,000 lbs@120 in	24.75 ft	0-12 ft	1.7	40,000 lbs	7 ft7 in	D/LPG	n/s	68	75
Riggers Manufacturing	TL220BW	83,700 lbs@120 in	24.75 ft	0-12 ft	1.7	58,000 lbs	8 ft6 in	D/LPG	n/s	100	110
Shuttlelift	CD3330F	.98 t @ 9.45 m	10.06 m	2,9/9,5	35,6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Shuttlelift	CD3330FL	.91 t @ 10.21 m	10.66 m	3,8/12,2	35,6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Shuttlelift	CD3339	.50 t @ 14.63 m	16.76m	4,2/10,0	35,6 km/h	n/s	n/s	D/Dual Fuel	n/s	8.1	9
Shuttlelift	CD3340B	.45 t @ 14.63 m	15.85 m	4,2/10,0	35,6 km/h	n/s	n/s	D/Dual Fuel	n/s	9.5	10.5
Shuttlelift	SCD15	1,58 t @11,55 m	13.41 m	4,6/12,5	33,8 km/h	n/s	n/s	D	n/s	13.6	15
Shuttlelift	CD5520	1,71 t @ 15,54 m	25.60 m	5,64/16,61	33,8 km/h	n/s	n/s	D	n/s	18	20
Shuttlelift	SCD25	1,19 t @ 20,42 m	27.43 m	7,21/21,6	31,22 km/h	n/s	n/s	D	n/s	22.6	25
Up Equip/Hoeflon	C1	1380lbs @ 3 ft	16 ft	5 ft/13 ft	1.88 mph	1,500 lbs	29.5 in	G/LPG/E	125		0.7
Up Equip/Hoeflon	C4	5170lbs @ 6 ft	46 ft	8 ft/ 42 ft	1.88 mph	4,730 lbs	29.5 in	D/E	125		2.6
Up Equip/Hoeflon	C6	6940lbs @ 6 ft	52 ft	8 ft-4 in / 46 ft	1.88 mph	6,170 lbs	29.5ft in	D/E	125		3.5
Up Equip/Hoeflon	C10	8810 lbs @ 6 ft	72 ft	12 ft 5 in/66 ft	1.88 mph	10,358 lbs	31.5 in	D/E	125		4.5
Valla Manitex	25 EL	mt 0.4@2.8 m	4.5 m	83	2.5mph	2 t	0.95 m	E	125	2.25	2.48
Valla Manitex	25 E	mt 0.5@2.8 m	4.5 m	81	2.5mph	2.3 t	0.95 m	E	125	2.5	2.75
Valla Manitex	30 E	mt 0.2@4.9 m	6.5 m	90	3.2 mph	2.5 t	1.3 m	E	125	3.5	3.85
Valla Manitex	35 E	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	1.4 m	E	125	3.5	3.85
Valla Manitex	35 D	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	1.4 m	D	125	3.5	3.85
Valla Manitex	50 E	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	1.6 m	E	125	5	5.51
Valla Manitex	50 D	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	1.6 m	D	125	5	5.51
Valla Manitex	75 E	mt 0.9@5.3 m	7.7 m	133	5.6 mph	6.2 t	1.7 m	E	125	7.5	8.26
Valla Manitex	75 D	mt 0.9@5.3 m	7.7 m	133	8 mph	6.2 t	1.7 m	D	125	7.5	8.26
Valla Manitex	75 LPG	mt 0.9@5.3 m	7.7 m	133	8mph	6.2 t	1.7 m	LPG	125	7.5	8.26
Valla Manitex	90 E	mt 1.9@5.3 m	7.8 m	144	5.6 mph	9 t	1.7 m	E	125	9	9.92
Valla Manitex	90 D	mt 1.9@5.3 m	7.8 m	144	8 mph	9 t	1.7 m	D	125	9	9.92
Valla Manitex	120 E	mt 1.9@7 m	10 m	159	5.5 mph	13 t	2.1 m	E	125	12	13.2
Valla Manitex	120 D	mt 1.9@7 m	10 m	159	9 mph	13 t	2.1 m	D	125	12	13.2
Valla Manitex	120 E Compact	mt 1.9@7 m	10 m	161	9 mph	13 t	2.1 m	E	125	12	13.2
Valla Manitex	120 EVO	mt 1.8@8 m	13 m			13 t	1.95 m		125	12	13.2
Valla Manitex	180 E	mt 3@7 m	10 m	176	5 mph	19 t	2.2 m	E	125	18	19.84
Valla Manitex	180 D	mt 3@7 m	10 m	167	15 km/h	19 t	2.2 m	D	125	18	19.84
Valla Manitex	250 E	mt 4@7 m	10 m	191	5 mph	25 t	2.3 m	E	125	25	27.5
Valla Manitex	250 D	mt 4@7.3 m	10 m	197	10 mph	25 t	2.3 m	D	125	25	27.5

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)
Up Equip/Hoeflon	C1	1380lbs @ 3ft	16ft	5ft/13ft	1.88 mph	1500 lbs	29.5 in	G/LPG/E	125		0.7
Bailey Cranes	OMNI Lite	800lbs @ 16ft	20ft	8ft-11ft	1.75mph	4300lbs	48	Battery	75	1	1
Bailey Cranes	OMNI 2000	2,000lbs @ 14ft	16ft	4ft	1.75mph	4300lbs	48	Battery	75	1	1
Jekko	SPB209	440 lbs @ 21ft	25ft 4in	6 to 20ft	n/s	1.6 t	2 ft 7 in	E/G/LPG		0.99	1.09
EZ Rig Crane	EzRig	1,950 lbs@20ft	26ft	9.75/21ft	n/s	1,300 lbs	2ft 10 in	E	n/s	1	1.2
Jekko	SPX312	440 lbs @ 26ft 3in	29ft 6in	7 to 25ft	n/s	1.98 t	2 ft 7 in	E/G/LPG		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
JMG	MC20	550 Lbs @ 12ft11in	20ft	10in/12ft11in	2.5 Mph	4400 Lbs	3ft1in	E	n/s	2	2.2
JMG	MC22	550 Lbs @ 12ft11in	20ft	10in/12ft11in	3 Mph	4500 Lbs	3ft1in	E	n/s	2.18	2.4
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	2.46
Valla Manitex	25 EL	mt. 0.4@2.8 m	4.5 m	83	2.5mph	2 t	0.95 m	E	125	2.25	2.48
Bailey Cranes	Brandon Lite	800lbs @ 16ft	20ft	8ft-11ft	1.75mph	4300lbs	34.5in	Battery	75	2.27	2.5
Broderson	IC-20	1,200 lbs @ 15ft	27ft. 9 in.	6ft./15ft.	5.5 mph	6,380 lbs	4ft	D/Dual Fuel	75	2.27	2.5
Up Equip/Hoeflon	C4	5170lbs @ 6ft	46ft	8ft/ 42ft	1.88 mph	4730 lbs	29.5 in	D/E	125		2.6
JMG	MC20S	600 Lbs @ 12ft11in	20ft	10in/12ft11in	2.5 Mph	5500 lbs	3ft1in	E	n/s	2.5	2.75
JMG	MC25	600 Lbs @ 12ft11in	20ft	10in/12ft11in	3 Mph	5500 lbs	3ft1in	E	n/s	2.5	2.75
Valla Manitex	25 E	mt. 0.5@2.8 m	4.5 m	81	2.5mph	2.3 t	0.95 m	E	125	2.5	2.75
Maeda	MC285-2	330 lbs @ 26ft10 in	31ft 10 in	8ft3 in-28ft1 in	1.36	4,325 lbs	30 in	D/E/LPG/Gas	85	2.81	3.1
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	MC305-2	570 lbs @ 39ft6 in	47ft 0 in	12ft1 in-41ft	1.7	8,800 lbs	51 in	D/E	85	2.97	3.28
JMG	MC32	1030 Lbs @ 13ft1in	22ft	11in/13ft1in	3 Mph	6,750 lbs	3ft2in	E	n/s	3.18	3.5
Up Equip/Hoeflon	C6	6940lbs @ 6ft	52ft	8ft-4 in / 46ft	1.88 mph	6,170 lbs	29.5ft in	D/E	125		3.5
Bailey Cranes	Brandon 6	800lbs @ 16ft	24ft	8ft-22ft	1.75mph	5,200 lbs	34.5in	Battery	75	3.26	3.6
Valla Manitex	30 E	mt 0.2@4.9 m	6.5 m	90	3.2 mph	2.5 t	1.3 m	E	125	3.5	3.85
Valla Manitex	35 E	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	1.4 m	E	125	3.5	3.85
Valla Manitex	35 D	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	1.4 m	D	125	3.5	3.85
Broderson	IC-35	1,850 lbs @ 19ft	33ft. 7ft. 2in. - 19ft. 2in.	10 mph	7,860 lbs	5ft	D/Dual Fuel	75	3.6	4	4
Maeda	MC405	500 lbs @ 52ft5 in	67ft 11 in	15ft6 in-54ft0 in	2.05	12,400 lbs	55 in	D/E	85	3.84	4.24
Broderson	IC-40	1,850 lbs @ 19ft	33ft. 7ft. 2in. - 19ft. 2in.	10 mph	8920	5ft 4 in	D/Dual Fuel	75	4.08	4.5	4.5
Up Equip/Hoeflon	C10	8810 lbs @ 6ft	72ft	12ft 5 in/66ft	1.88 mph	10,358 lbs	31.5 in	D/E	125		4.5
Jekko	SPX1040	1100 lbs @43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4ft 7 in	D/E	n/s	4.4	4.85
JMG	MC40S	1750 Lbs @ 14ft5in	23ft	8in/14ft5in	3 mph	10,560 Lbs	3ft11in	E	n/s	4.5	4.95
JMG	MC45	1750 Lbs @ 13ft11in	23ft	8in/13ft11in	5 mph	10,500 Lbs	5ft1in	E	n/s	4.5	4.95
Bailey Cranes	BC-10	1150Lbs @ 19ft	32ft	8ft-22ft	5 mph	9,000lbs	60in	Battery	75	4.5	5
Valla Manitex	50 E	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	1.6 m	E	125	5	5.51
Valla Manitex	50 D	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	1.6 m	D	125	5	5.51
Ormig	5.5TM	1660lbs@19ft	29.52ft	12.46/31.16ft	6.83 mph	14,770lbs	5ft	D	n/s	5.5	6.06
Ormig	5.5TME	1660lbs@19ft	29.52ft	12.46/31.16ft	3 mph	15,652lbs	5ft	E	n/s	5.5	6.06
JMG	MC60	2100 Lbs @ 18ft1in	28ft	1ft8in/18ft1in	5 mph	14,300 lbs	5ft5in	E	n/s	6	6.6
Maeda	CC1485	940 lbs @ 52ft10 in	72ft 2 in	15ft6 in-53ft4 in	1.99	31,747 lbs	8ft2 in	D	75	6	6.6
Jekko	SPK60	550 lbs @ 56ft01in	82ft4in	16ft1in to 58ft01in		15.5 t	7ft6in	D/E		5.99	6.61
Jekko	SPX1275	1320 lbs @ 52ft 6 in	87ft	16 to 58ft	n/s	11 t	4ft 7 in	D/E	n/s	4.9	8
Valla Manitex	75 E	mt 0.9@5.3 m	7.7 m	133	5.6 mph	6.2 t	1.7 m	E	125	7.5	8.26
Valla Manitex	75 D	mt 0.9@5.3 m	7.7 m	133	8 mph	6.2 t	1.7 m	D	125	7.5	8.26
Valla Manitex	75 LPG	mt 0.9@5.3 m	7.7 m	133	8mph	6.2 t	1.7 m	LPG	125	7.5	8.26
Grove	YB4409	.98 t @ 9.45 m	10.06 m	2.9/9.5	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Grove	YB4409XL	.91 t @ 10.21 m	10.66 m	3.8/12.2	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Shuttlelift	CD3330F	.98 t @ 9.45 m	10.06 m	2.9/9.5	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Shuttlelift	CD3330FL	.91 t @ 10.21 m	10.66 m	3.8/12.2	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	7.7	8.5
Bailey Cranes	BC-18	1,950 lbs @ 30ft	42ft	11ft6in-30ft	5mph	16,750 lbs	6ft 6in	Battery/Hybrid	75	8.16	9
Broderson	IC-80-1	3,800 lbs @ 20ft	37ft. 5 in. 8ft. 2 in - 20ft. 2in	22 mph	16,200 lbs	6ft 6 in	D/Dual Fuel	75	8.16	9	9
Broderson	IC-80-2	3,100 lbs @ 24ft	41ft. 9ft. 5 in - 24ft.	22 mph	16,400 lbs	6ft 6 in	D/Dual Fuel	75	8.16	9	9
Broderson	IC-80-3	2,150 lbs@ 30ft	45ft. 8 in 11ft. 6 in - 30ft.	22 mph	16,750 lbs	6ft 6 in	D/Dual Fuel	75	8.16	9	9
Grove	YB4409-2	.50 t @ 14.63 m	16.76m	4.2/10.0	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	8.1	9
Shuttlelift	CD3339	.50 t @ 14.63 m	16.76m	4.2/10.0	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	8.1	9
JMG	MC85	3600 Lbs @ 15ft8in	26ft	1ft8in/15ft8in	5 Mph	20,000 Lbs	5ft7in	E/D	n/s	8.5	9.35
Valla Manitex	90 E	mt 1.9@5.3 m	7.8 m	144	5.6 mph	9 t	1.7 m	E	125	9	9.92
Valla Manitex	90 D	mt 1.9@5.3 m	7.8 m	144	8 mph	9 t	1.7 m	D	125	9	9.92

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at	Max Hook Height (m) or (ft)	Boom Length	Max Travel	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)
		Max Radius (mt@m) or (lbs@ft)		Minimum/Max (m/m) or (ft/in)	Speed (mph) or (km/h)						
Grove	YB4411	.45 t @ 14.63 m	15.85 m	4.2/10.0	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	9.5	10.5
Shuttlelift	CD3340B	.45 t @ 14.63 m	15.85 m	4.2/10.0	35.6 km/h	n/s	n/s	D/Dual Fuel	n/s	9.5	10.5
Ormig	10TM	4519lbs@19ft	28ft	14-31ft	8.56mph	22928lbs	7ft	D	n/s	10	11.02
Ormig	10TME	4519lbs@19ft	28ft	14-31ft	6.35mph	22928lbs	7ft	E	n/s	10	11.02
JMG	MC110	4400 Lbs @ 23ft6in	35ft	3ft3in/23ft6in	5 Mph	29650 Lbs	6ft5in	E/D	n/s	11	12.1
Valla Manitex	120 E	mt 1.9@7 m	10 m	159	5.5 mph	13 t	2.1 m	E	125	12	13.2
Valla Manitex	120 D	mt 1.9@7 m	10 m	159	9 mph	13 t	2.1 m	D	125	12	13.2
Valla Manitex	120 E Compact	mt 1.9@7 m	10 m	161	9 mph	13 t	2.1 m	E	125	12	13.2
Valla Manitex	120 EVO	mt 1.8@8 m	13 m			13 t	1.95 m		125	12	13.2
Broderson	IC-200-2	4.200 lbs @ 36ft	45ft 4 in 15ft 2 in	36ft 2 in	18 mph	28.500 lbs	7ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	IC-200-3	2.600 lbs @ 50ft	58ft 8 in 15ft 6 in	50ft 6 in	18 mph	31.080 lbs	7ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	RT-300	3.200 lbs @ 60ft	87ft 11 in	20ft - 60ft	23 mph	44.800 lbs	8ft. 4 in	Diesel	75	13.6	15
Grove	GCD15	1.58 t @11.55 m	13.41 m	4.6/12.5	33.8 km/h	n/s	n/s	D	n/s	13.6	15
Shuttlelift	SCD15	1.58 t @11.55 m	13.41 m	4.6/12.5	33.8 km/h	n/s	n/s	D	n/s	13.6	15
Ormig	16TM	5291lbs@22ft	34ft	15-35ft	19.91mph	31085lbs	7ft50in	D	n/s	16	17.64
Ormig	16TME	5291lbs@22ft	34ft	15-35ft	7.57mph	31746lbs	7ft50in	E	n/s	16	17.64
JMG	MC160	6200 Lbs @ 24ft7in	36ft	3ft3in/24ft7in	5 Mph	41000 Lbs	6ft9in	E	n/s	16.04	17.65
Broderson	IC-250	3.650 lbs @ 50 ft radius	87ft 11 in 15ft 7 in	50ft 1 in	18 mph	37.700 lbs	7ft 10 in	D/LPG	75	16.3	18
Valla Manitex	180 E	mt 3@7 m	10 m	176	5 mph	19 t	2.2 m	E	125	18	19.84
Valla Manitex	180 D	mt 3@7 m	10 m	167	15 km/h	19 t	2.2 m	D	125	18	19.84
Broderson	RT-400	3.600 lbs. @68ft	98ft	21ft. 11 in - 68ft	24 mph	51.900 lbs.	8ft. 5in	Diesel	75	18.1	20
Grove	YB5520	1.71 t @ 15.54 m	25.60 m	5.64/16.61	33.8 km/h	n/s	n/s	D	n/s	18	20
Shuttlelift	CD5520	1.71 t @ 15.54 m	25.60 m	5.64/16.61	33.8 km/h	n/s	n/s	D	n/s	18	20
JMG	MC220	8200 Lbs @ 25ft3in	38ft	3ft3in/25ft3in	5 Mph	50400 Lbs	7ft3in	E	n/s	22.04	24.25
Broderson	IC-400	1.900 lbs @ 84ft	95ft	18ft - 64ft 6 in	23 mph	54.900 lbs	8ft 6 in	Diesel	75	22.7	25
Grove	GCD25	1.19 t @ 20.42 m	27.43 m	7.21/21.6	31.22 km/h	n/s	n/s	D	n/s	22.6	25
Shuttlelift	SCD25	1.19 t @ 20.42 m	27.43 m	7.21/21.6	31.22 km/h	n/s	n/s	D	n/s	22.6	25
Valla Manitex	250 E	mt 4@7 m	10 m	191	5 mph	25 t	2.3 m	E	125	25	27.5
Valla Manitex	250 D	mt 4@7.3 m	10 m	197	10 mph	25 t	2.3 m	D	125	25	27.5
Ormig	25TME	9259lbs@25ft	40ft	17-40ft	6.42mph	45194lbs	8ft20in	E	n/s	25	27.56
Ormig	20/25TM	9259lbs@25ft	40ft	17-40ft	17.09mph	39683lbs	8ft20in	D	n/s	20/25	27.56
JMG	MC300	10100 Lbs @ 27ft8in	42ft	3ft3in/27ft8in	5 Mph	59800 Lbs	7ft5in	E	n/s	30	33
Lift Systems	MBL033	20.800 lbs@20.5 ft	33ft	15-30 ft	1.7	36.000 lbs	6ft0 in	D/LPG	0.85	30	33
Ormig	33TM	11023lbs@27ft	47ft	21-45ft	15.53mph	61729lbs	8ft20in	D	n/s	33	36.8
Ormig	33TME	11023lbs@27ft	47ft	21-45ft	4.39mph	63493lbs	8ft20in	E	n/s	33	36.8
Lift Systems	TWL040	24.100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32.000 lbs	7ft3 in	D/LPG	0.85	36	40
Ormig	45TME	17416lbs@29ft	46ft	20-47ft	3.34mph	63934lbs	9ft	E	n/s	45	49.59
JMG	MC450	13900 Lbs @ 27ft11in	40ft	3ft3in/27ft11in	5 Mph	70500 Lbs	7ft6in	E	n/s	45.09	49.6
Riggers Manufacturing	TL100	39.000 lbs@ 108 in	24.75 ft	0-12 ft	1.7	38.000 lbs	6ft1 in	D/LPG	n/s	45	50
JMG	MC500	14300 Lbs @ 30ft5in	45ft	3ft3in/30ft5in	3 Mph	83600 Lbs	7ft10in	E	n/s	50.09	55.1
Ormig	50/55TM	19621lbs@29	46ft	20-47ft	16.59mph	63934lbs	8ft20in	D	n/s	50/55	60.63
JMG	MC600	15400 Lbs @ 30ft5in	45ft	3ft3in/30ft5in	3 Mph	85800 Lbs	7ft10in	E	n/s	60	66
Ormig	60TM	22707lbs@34ft	51ft	22-54ft	15.90mph	79366lbs	9ft8in	D	n/s	60	66.1
Ormig	55/60E	19180lbs@27ft	40ft	19-43ft	3.90mph	52910lbs	7ft7in	E	n/s	60	66.1
Lift Systems	MBL075	18.800 lbs@35 ft	44 ft	20-44 ft	1.7	49.000 lbs	7ft11 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 lbs	7ft10 in	D/LPG	0.85	68	75
Riggers Manufacturing	TL150BW	56.000 lbs@120 in	24.75 ft	0-12 ft	1.7	40.000 lbs	7ft7 in	D/LPG	n/s	68	75
Lift Systems	MBL110	29.200 lbs@35 ft	44 ft	21-45 ft	1.7	70.000 lbs	8ft6 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 lbs	8ft6 in	D/LPG	0.85	100	110
Riggers Manufacturing	TL220BW	83.700 lbs@120 in	24.75 ft	0-12 ft	1.7	58.000 lbs	8ft6 in	D/LPG	n/s	100	110

RUBBER TIRED GANTRY CRANES BY MANUFACTURER

Manufacturer	Model	Standard Inside	Standard Inside	Number of tires	Remote control	Steering mode	Capacity (US tons)
		Clear Height/ Hook Height (ft)	Clear Width (ft)		capability Y/N		
Enerpac	Travel Gantry ETL600	20	30 x 15	4	Y	Carrousel	67
MiJack	MJ1200R	23	40 to 60	4	Y	DGPS	50
MiJack	MJ1200R EH	23	40 to 60	8	Y	DGPS	50
MiJack	MJ900P		20 to 40	4	Y	90 degree transverse	45
MiJack	MJ1200R-DS	31	up to 70	4	Y	All wheel	50
MiJack	MJ50C	35.5 to 45.5		4	Y	All wheel	44.1
Shuttlelift	SB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	30
Shuttlelift	SB 50	25 (customizable)	25 (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	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	DB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	30
Shuttlelift	DB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	50
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	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 35II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	35
Shuttlelift	SL 50II	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	50
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	SL 150II	30 (customizable)	28 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	150
Shuttlelift	SL 200II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	200
Shuttlelift	SL 250	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 600	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	600
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	700
Shuttlelift	SL 800	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	800
Shuttlelift	ISL 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	30
Shuttlelift	ISL 40	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	40
Shuttlelift	ISL 50	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	50
Shuttlelift	ISL 70	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	70
Shuttlelift	ISL 100	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	100
Shuttlelift	ISL 150	35 (customizable)	40 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	150
Shuttlelift	SB 100	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	100
Shuttlelift	DB 70	25 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	70
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	25
Shuttlelift	SL 100II	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	100
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	ISL 60	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	60

RUBBER TIRED GANTRY CRANES BY CAPACITY

Manufacturer	Model	Standard Inside Clear Height/ Hook Height (ft)	Standard Inside Clear Width (ft)	Number of tires	Remote control capability Y/N	Steering mode	Capacity (US tons)
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	25
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	ISL 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	ISL 40	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	40
MiJack	MJ50C	35.5 to 45.5		4	Y	All wheel	44.1
MiJack	MJ900P		20 to 40	4	Y	90 degree transverse	45
MiJack	MJ1200R	23	40 to 60	4	Y	DGPS	50
MiJack	MJ1200R EH	23	40 to 60	8	Y	DGPS	50
MiJack	MJ1200R-DS	31	up to 70	4	Y	All wheel	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
Shuttlelift	ISL 50	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	50
Shuttlelift	ISL 60	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	60
Enerpac	Travel Gantry ETL600	20	30 x 15	4	Y	Carrousel	67
Shuttlelift	SB 70	25 (customizable)	30 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	70
Shuttlelift	ISL 70	25 (customizable)	40 (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
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	ISL 100	30 (customizable)	40 (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	SL 100II	28 (customizable)	26 (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
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	ISL 150	35 (customizable)	40 (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 250	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 600	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	600
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	700
Shuttlelift	SL 800	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	800
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	1,000

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Butch Howard, Sales & Marketing
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*AWL offers a variety of rigging and
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Carol Meyer, VP Sales &
Marketing
www.durabilitusa.com
*Durabilt is a manufacturer of USA
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Don Etnyre, Vice President, Sales
www.etnyre.com
*E.D. Etnyre & Co. produces the
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*Eager Beaver manufactures lowbed
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*Heil Trailer builds tank trailers and
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David Knight, President
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*K-Line Trailers builds specialized
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Landoll Corporation provides traveling axle and detachable trailers to a wide array of industries for easy ground loading and transportation of specialized equipment.

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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.

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Jim Peterson, General Manager
www.loadkingtrailers.com
Load King produces trailers for hauling construction equipment and other heavy haul needs.

Logistic Dynamics, Inc.
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(541) 306-6732
JB Baker, General Manager
www.ldispecialized.com
Logistic Dynamics is a full service logistics provider, supplying flatbed, stepdeck, double drop, RGN, rail and ocean services.

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www.mammoet.com
Mammoet improves construction efficiency and optimizes the uptime of plants and installations by providing solutions for lifting, transporting, installing and decommissioning large and heavy structures.

Nelson Manufacturing
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Ottawa, OH 45875 USA
(419) 523-5321
Jon Brecheisen, Sales
www.nelsontrailers.com

Nelson Manufacturing designs and builds custom trailers, boom dollies and other mobile equipment to solve unique transportation needs. One of Nelson's specialties is to provide crane transport solutions. Nelson also offers a complete line of heavy haul trailers.

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Roland Fischer, Area Manager
Sales
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A member of TII-Group, NICOLAS develops and produces transporters such as modular trailers, semi-trailers, industrial lift and shipyard transporters.

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Jason Shye, CFO
www.precgroup.com
Sells and services Scheuerle, Nicolas, and KAMAG transporters and trailers.

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www.ridewellcorp.com
Ridewell Suspensions engineers and manufactures custom suspension systems for the specialized transport industry.

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Benjamin Forster, General Manager
www.rgsinc.net
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Rogers Brothers Corp.
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(814) 756-4121
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www.rogerstrailers.com
Rogers Trailers produces custom and specialized trailers for hauling cranes, construction equipment and construction materials.

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49 7941 691-0
Roland Fischer, Area Manager, Sales
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(819) 723-2416
www.temisko.com
Temisko produces custom-designed and manufactured semi-trailers for the general market as well as specialized haulers.

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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 for the wind industry.

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Durango, Durango, 34229, Mexico
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Carlos Carcamo, Sales Manager
www.tradelossa.com
Tradelossa is a ground-breaking transport solutions specialist for large and heavy loads coming from Mexico and Central America to other countries and vice versa.

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6101 Dean Martin Drive
Las Vegas, NV 89118 USA
(702) 798-8920
www.transworldmanufacturing.com
Crystal Dieleman, President
TransWorld produces specialized crane transport systems.

TSP (Transport Systems And Products, Inc.)
P.O. Box 4236 Stamford, CT 06907
USA (203) 322-3723
Tony Sabia, President
www.tspsalesandservice.com
Offers specialized transporters, SPMTs, platform trailers, North American highway trailers, shipyard transporters, windmill transporters and railway transporters manufactured by TII Group.

X-L Specialized Trailers Inc.
P.O. Box 400 Manchester, IA 52057
USA (563) 927-4900
Rodney Crim, Vice President of Sales
www.xlspecializedtrailer.com
Manufacturers 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 Shiffer at d.anshiffer@khl.com for an ACT Sourcebook Survey Form.

TOWER CRANES

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MIAMI, USA



The essential education and networking event for tower crane professionals across North America, providing a unique networking and learning opportunity.

KEYNOTE SPEAKER

Christian Chalupy

President,
Morrow Equipment Company



Christian will be keynote speaker at the first Tower Cranes North America conference. Morrow is the largest tower crane rental company in North America and one of the top five in the world, with a fleet of more than 650 cranes operating in North America and worldwide.

WHAT

Full-day conference and networking reception.

WHERE

Miami Marriott Biscayne Bay,
Miami, Florida, USA

WHEN

JUNE 18, 2018

Evening networking reception

JUNE 19, 2018

Full-day conference

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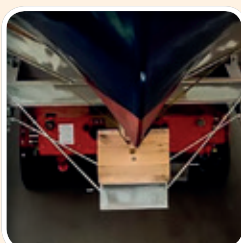
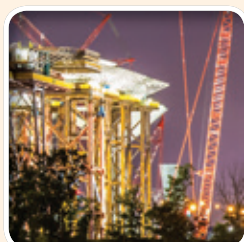
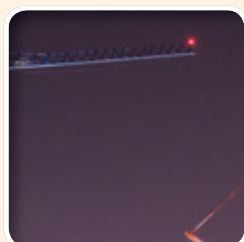
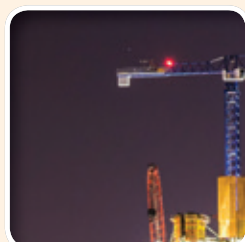
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ASSOCIATIONS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
American National Standards Institute Inc. (ANSI)	25 West 43rd Street, New York, NY 10036	USA	(212) 642-4946	www.ansi.org	Joe Bhatia President/CEO
American Rental Association	1900 19th Street, Moline, IL 61265	USA	(800) 334-2177	www.ararental.org	Chris Wehrman CEO
American Wind Energy Association	1501 M St. NW, Suite 1000 Washington, DC 20005	USA	(202) 383-2500	www.awea.org	Tom Kiernan CEO
Associated Equipment Distributors	600 W. 22nd Street - Suite 220, Oak Brook, IL 60523	USA	(630) 574-0650	www.aednet.org	David Gordon VP of Sales
Associated General Contractors	2300 Wilson Blvd, Ste 400 Arlington, VA 22201	USA	(703) 548-3118	www.agc.org	Stephen Sandher CEO
Associated Wire Rope Fabricators	P O Box 748 Walled Lake, MI 48390-0748	USA	(248) 994-7753	www.awrf.org	Jeff Gilbert Chief Executive
Association of Crane & Rigging Professionals (ACRP)	28175 Haggerty Novi, MI 48377	USA	(800) 690-3921	www.acrp.net	Jeff Gilbert Executive Director
Association of Equipment Manufacturers	6737 West Washington Street, Milwaukee, WI 53214	USA	(414) 272-0943	www.aem.org	Dennis Slater President
BC Association for Crane Safety	PO Box 48883 Bentall Vancouver, BC V7X 1A8	Canada	(604) 336-4699	www.bcacs.ca	Fraser Cocks Executive Director
Canadian Construction Association	1900 - 275 Slater St. Ottawa, ON K1P 5H9	Canada	(613) 236-9455	www.cca-acc.com	Michael Atkinson President
Crane Certification Association of America	28175 Haggerty Novi, MI 48377	USA	(800) 447-3402	www.ccaaweb.net	Jeff Gilbert Executive Director
Crane Owners Association	447 Georgia Street Vallejo, CA 94590	USA	(707) 552-6040	www.craneowners.org	Michael Vlaming Executive Director
Crane Rental Association of Canada	P O Box 26 Regina, SK S4P 2Z5	Canada	(306) 585-2722	www.crac-canada.com	Claire Bélanger-Parker Executive Administrator
Florida Crane Owners' Council, Inc.	170 North Goldenrod Road Orlando, FL 32807	USA	(512) 633-7413	www.flcoc.com	John Wessel Managing Director
Ironworker Management Progressive Action Cooperative Trust (IMPACT)	1750 New York Ave. NW, 4th Floor, Washington, DC 20006	USA	(800) 545-4921	www.impact-net.org	Kevin Hilton CEO
National Commission for the Certification of Crane Operators (NCCCO)	2750 Prosperity Avenue, Suite 505, Fairfax, VA 22031	USA	(703) 560-2391	www.nccco.org	Graham Brent Executive Director
Specialized Carriers & Riggers Association (SC&RA)	5870 Trinity Pkwy., Suite 200, Centreville, VA 20120	USA	(703) 698-0291	www.scranet.org	Joel Dandrea Chief Executive Officer
Steel Erectors Association of America	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
Alex Lyon & Son	7697 Rt. 31 Bridgeport, NY 13030	USA	(315) 633-2944	www.lyonauction.com	Jack Lyon President
American Auctioneers LLC	1033 W. Main St. Centre, AL 35960	USA	(256) 927-5263	www.american-auctioneers.com	Keith Baldwin President
Bar None Auction	2440 Gold River Road, Suite 200, Rancho Cordova, CA 95670	USA	(866) 372-1700	www.barnoneauction.com	Brian Wahlster General Manager, Sacramento
Berryhill Auctioneers	3901 Dendron Drive Flower Mound, TX 75028	USA	(972) 874-1222	www.berryhillauctioneers.com	Ray Berryhill Owner
Bunch Bros Auctioneers	P O Box 175 Wingo, KY 42088	USA	(270) 376-2992	www.bunchbrothers.com	Steve Bunch
Crane Network	400 E. Illinois Street, Suite B Lemont, IL 60439	USA	(214) 612-7626	www.cranenetwork.com	
Darell Dunkle Auctioneers	P O Box 959, Harrison, MI 48625	USA	(800) 433-6670	www.dunkleauctioneers.com	Darell Dunkle Owner
Deanco Auction	1042 Holland Avenue, Philadelphia, MS 39350	USA	(601) 656-9768	www.deancoauction.com	Donnie W. Dean Owner/President/ Auctioneer
Dovebid Auctions	1900 O'Farrell, Ste 325 San Mateo, CA 94403	USA	(800) 665-1042	www.go-dove.com	Thomas Burton Executive Vice President
DSA Don Smock Auction Company	6531 S State Road 13 Pendleton, IN 46064	USA	(765) 778-9277	www.dsaauctions.com	Donald Smock CEO

First Capitol Auction Inc.	50 Solano Avenue, Vallejo, CA 94590	USA	(707) 552-0739	www.1stcapitolauction.com	Brian McKissack Vice President
Henderson Auctions	13340 Florida Blvd Livingston, LA 70754	USA	(225) 686-2252	www.hendersonauctions.com	Jeffrey Henderson President/CEO
Hilpipre Auctions	2862 Wagner Road Waterloo, IA 50703	USA	(319) 235-6007	www.hilpipre.com	Craig Hilpipre President
Hunyady Auction Services	1440 Cowpath Road Hatfield, PA 19440	USA	(215) 361-9099	www.hunyady.com	Mike Hunyady President
IRAY Auction	11935 Hwys 95 NE Foley, MN 56329	USA	(320) 968-7230	www.iraymn.com	Becky Mix Marketing Manager
J J Kane Auctioneers	1000 Lenola Road Maple Shade, NJ 8052	USA	(855) 462-5263	www.jjkane.com	Bob Kane Operations
J M Wood Auction Company	3475 Ashley Road Montgomery, AL 36108	USA	(334) 264-3265	www.jmwood.com	Brenda Wood President
Lloyd Meekins & Sons	4070 NC Hwy 211 East Lumberton, NC 28358	USA	(910) 738-1389	www.meekinsauction.com	
LVG Auctions	190 Sunpac Blvd. Brampton, ON L6T 5P4	Canada	(800) 340-7606	www.lvgauctions.com	Richard Kennedy General Manager
Jeff Martin Auctioneers Inc	2236 Hwy 49 Brooklyn, MS 39425	USA	(601) 450-6200	www.jeffmartinauctioneers.com	Jeff Martin Owner
Martin Auction Services LLC	9515 Texas Church Road Clinton, IL 61727	USA	(217) 935-3245	www.martinauction.com	Rob Nord Owner
Musser Bros Auctioneers	3035 Rickenbacker Drive Pasco, WA 99301	USA	(509) 416-6060	www.mbauction.com	Scott Musser Vice President
Myron Bowling Auctioneers	3901 Kraus Lane Hamilton, OH 45401	USA	(513) 738-3311	www.myronbowling.com	Myron Bowling President
Petrowsky Auctioneers	275 Route 32 North Franklin, CT 06254	USA	(860) 642-4200	www.petrowskyauctioneers.com	Sammy Petrowsky Founder
Pro Team Auction Company	1715 Garden Village Dr, Ste A, White Pine, TN 37890	USA	(865) 674-7002	www.proteamauction.com	Alice Webb Marketing Director
Purple Wave Auction	825 Levee Drive Manhattan, KS 66502	USA	(785) 537-7653	www.purplewave.com	Aaron McKee Founder
Ritchie Bros. Auctioneers	9500 Glenlyon Parkway Burnaby, BC V5J 0C6	Canada	(778) 331-5500	www.rbactions.com	Ravi Saligram CEO
Sullivan Auctioneers LLC	1066 E US Hwy 136 Hamilton, IL 62341-0111	USA	(217) 847-2160	www.sullivanauctioneers.com	Dan Sullivan Owner
Thompson Auctioneers	3519 State Route 235 Fairborn, OH 45325	USA	(937) 426-8446	www.thompsonauctioneers.com	Steve Thompson Owner
Vocon Auctions	4747 NE 14th Street Des Moines, IA 50313	USA	(866) 218-6266	www.govocon.com	Kelly Housby and Kevin Housby Partners
West Auctions	P O Box 278 Woodland, CA 95776	USA	(530) 661-0490	www.westauction.com	Donna Bradshaw President
Yoder & Frey Auctioneers Inc	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
Adeunis NA, Inc.	65 Pondfield Rd., Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director of Marketing/ Communications
Cattron Group InterNational	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
Cervis, Inc.	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
Control Chief Corp	200 Williams Street Bradford, PA 16701	USA	(814) 362-6811	www.controlchief.com	Allison Ambrose Marketing
Custom Controls Inc.	#106 30468 Great Northern Ave, Abbotsford, BC V2T 6H4	Canada	(604) 854-3000	www.customcontrolsinc.com	Jeff Creamer Sales Manager
Dalec Electronic Inc.	9335 W Belmont Avenue Franklin Park, IL 60131	USA	(847) 671-7676	www.dalec.com	Tom Marketing Manager
Eaton Wireless	74-1833 Coast Meridian Rd Port Coquitlam, BC V3C 6G5	Canada	(604) 944-9247	www.omnexcontrols.com	Nigel Evans Product Manager
Flodraulics Inc.	3539 N County Road 700 W Greenfield, IN 46140	USA	(317) 890-3700	www.flodraulics.com	Tyler Ellis Marketing Manager

CONTROL DEVICES continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
HBC-radiomatic, Inc.	1017 Petersburg Road Hebron, KY 41048	USA	(859) 689-6400	www.hbc-usa.com	Jeff Allan CEO
Hetronic USA	4300 Highline Blvd Bldg. A Oklahoma City, OK 73108	USA	(405) 946-3574	www.hetronic.com	Tom Devonshire National Sales Manager
Intercomp	3839 County Road 116 Medina, MN 55340	USA	(763) 476-2531	www.intercompcompany.com	Chris Berg Market Specialist
JR Merritt Controls Inc.	55 Sperry Avenue Stratford, CT 06615	USA	(203) 381-0100	www.jrmerritt.com	Doug Mackay Sales
Kar-Tech, Inc.	111 Enterprise Road Delafield, WI 53018	USA	(262) 646-9444 x234	www.kar-tech.com	John Karbassi Vice President, Operations
Laird Technologies	3481 Rider Trail South Earth City, MO 63045	USA	(636) 898-6000 x1186215	www.lairdtechnologies.com	Jannette Avila Communications and Marketing Manager
Loadwise International Ltd.	50 Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
Magnetek	N49 W 13650I Campbell Drive, Menomonee Falls, WI 53051	USA	(262) 783-3500	www.magnatek.com	Lynn Bostrom Marketing
McKee Communications	6381 A Rose Lane Carpinteria, CA 93013		(800) 321-4138	www.mckeeusa.com	Peter McKee President
Microtronics Inc.	2111 Sante Fe, Ste 227 Olathe, KS 66062	USA	(913) 768-9960	www.microtronicscontrols.com	Steve Cunningham Director of Sales/ Marketing
Mobile Control Systems	1229 Commonwealth Marietta, GA 30064	USA	(678) 581-9613	www.mobilecontrolsystems.com	Bob Kompar President
NBB Controls Inc.	1572 East Parham Road Richmond, VA 23228	USA	(804) 262-4846	www.nbb.de	Frank Capetta Vice President
OEM Controls Inc.	10 Controls Drive Shelton, CT 06484	USA	(203) 929-8431	www.oemcontrols.com	Ken Fried Sales and Marketing
Orlaco Products B.V. North America	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.orlaco.com	Peter Dove Sr. Account Manager
Robinson Engineering Company	1914 Silver Street Garland, TX 75042	USA	(972) 272-2001	www.craneboss.com	Jerry Schuman Sales and Marketing Manager
Trimble Lifting Solutions	32 West Thebarton Road Thebarton, South Australia 5031	Australia	+01161882383537	www.loadsystems.com	Dawn CirkI General Manager
Scanreco North America	225 Tarhe Trail Road Upper Sandusky, OH 43351	USA	(419) 293-5237	www.scanrecona.com	Colin Nickerson Director of Sales and Business Development
Wampfler Inc.	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
Altec, Inc.	210 Inverness Center Drive Birmingham, AL 35242	USA	(205) 991-7733	www.altec.com	Lee Styslinger Chairman/CEO
Amco Veba	Gian Paolo Aschero Bolingbrook, IL 60440	USA	(630) 326-6900	www.fischercrane.com	Lee O'Hara
American & Ohio Locomotive Crane	811 Hopley Avenue Bucyrus, OH 44820	USA	(419) 562-6010	www.ersindustries.com	Craig Goodenough Sales Manager
Auto Crane Company	4707 N Mingo Road Tulsa, OK 74117	USA	(918) 879-8522	www.autocrane.com	John Celoni President/CEO
Bailey Cranes	8111 W. Bradley Road Milwaukee, WI 53223	USA	(414) 446-8412	www.baileycranes.com	Jeff Bailey President
Bigge Crane and Rigging Co.	10700 Bigge Ave. San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Joseph Nelms Vice President
Broderson Manufacturing Corp.	14741 W. 106th Street Lenexa, KS 66215	USA	(913) 888-0606	www.bmccranes.com	George Schildhouse Inside Sales & Marketing Manager
Cargotec Inc.	12233 Williams Road 00180 Helsinki,	Finland	+358 20 777 4000	www.cargotec.com	Mika Vehviläinen President

CCSI/Cormach Cranes	61 Augusta Ct. Charles Town, WV 25414	USA	(888) 229-3184	www.ccsi-cranes.com	Steve Carlson Sales & Marketing
CIFA USA Inc.	1515 County Road 1 Tiffin, OH 44883	USA	(419) 558-9891	www.cifausa.com	Walter Vimercati President
Effer North America	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 916-6461	www.efferusa.com	Timothy Smith President
Elliott Equipment Company	4427 South 76th Circle Omaha, NE 68127	USA	(402) 592-4500	www.elliottequip.com	Jim Glazer President
Enerpac	N86W12500 Westbrook Crossing Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Global Business Development Leader
EZ Rig Crane	1500 Palma Dr. 2nd Floor. Ventura, CA 93003	USA	(800) 643-4387	www.ezrigcrane.com	Ray Neria Sales Manager
Fascan Intenational Inc.	4517 North Point Blvd. Baltimore, MD 21219	USA	(800) 632-7226	www.fascan.com	Bernie Faloney President/CEO
Favelle Favco	26360 FM 106 Harlingen, TX 78550	USA	(956) 428-7488	www.favellefavco.com	Michael Khoo President
Fischer Crane Co.	585 E South Frontage Road Bolingbrook, IL 60440	USA	(630) 739-6900	www.fischercrane.com	Lee O'Hara President
FM Gru	6330 148th Street Surrey, BC V3S 3C4	Canada	(604) 599-4200	www.fmgru.it	
Global Crane/Zoomlion	14702 Jersey Shore Drive, Houston, TX 77040	USA	(832) 460-3939	www.globalcranes.com	
Hoist Liftruck Mfg.	6499 W. 65th Street Bedford Park, IL 60638	USA	(800) 367-5600	www.hoistlift.com	Marty Flaska President
Intensus Engineering, Inc. - XCMG	3691 Route 9 Cold Spring, NY 10516	USA	(845) 265-6000	www.intensus.com	Juan Carlos Salcedo
Iowa Mold Tooling	500 Hwy 18 W Garner, IA 50438	USA	(641) 923-3711	www.imt.com	Tim Worman Bus. Dev. Manager
J&R Engineering Co., Inc.	538 Oakland Avenue Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	Kevin L. Johnston President
Jekko USA	4517 North Point Blvd. Baltimore, MD 21219	USA	(410) 344-5011	www.jekkousa.com	Rich Caudill Product Manager
Jost	1170 Hayes Grand Haven, MI 49417	USA	(800) 253-5105	www.jostinternational.com	Scott Vandermolten Sales
Kobelco Cranes North America	10845 Train Court Houston, TX 77041	USA	(713) 856-5755	www.kobelcocranes norhtamerica.com	Jack Fendrick Vice President
Koenig Cranes North America	2190 A- Carpenter Street Abbotsford, BC V2T 4X2	Canada	(877) 852-2192	www.koenigcranes.com	John Majernik Specialist
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	William Lampson President & CEO
Liebherr Cranes Inc.	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Gerd Booch Area Sales Manager
Liebherr Canada	1015 Sutton Drive Burlington, ON L7L 5Z8	Canada	(800) 387-3922	www.liebherr.com	Tim Petersen Product Manager
Liebherr Cranes Inc.	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Daniel Pfitzer President
Liebherr Nenzing Crane Co.	7075 Bennington Street Houston, TX 77028	USA	(713) 636-4050	www.liebherr.com	Tobias Haemmerle General Manager
Lift Systems, Inc.	1505 - 7th Street East Moline, IL 61244	USA	(309) 764-9842	www.lift-systems.com	Bruce Forster President
Lift Systems, Inc. Canada	35 Longworth Ln. Woodstock, ON N4V1G6	Canada	(519) 539-0213	www.lift-systems.com	Darryl Wharram President
Liftech Consultants Inc.	344 20th Street, Suite 360 Oakland, CA 94612	USA	(510) 832-5606	www.liftech.net	Teresa Ferguson Marketing
Linden Comansa America	11608 Downs Road Pineville, NC 28134	USA	(704) 588-7729	www.lcacranes.com	Bill Carbeau Vice President
Link-Belt Construction Equipment	2651 Palumbo Drive Lexington, KY 40509	USA	(859) 263-5200	www.linkbelt.com	Melvin Porter President
Maeda USA	8505 South Loop East Houston, TX 77017	USA	(713) 923-9990	www.maedausa.com	Steve Inman Vice President
Mammoet USA	20525 F.M. 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	Jacques Stoof Managing Director
Mammoet Canada East	2 Bluewater Road, Suite 246, B4B 1G7 Bedford, Nova Scotia	Canada	(902) 450-0550	www.mammoet.com	
Mammoet Canada West	12920 - 33 Street NE T6S 1H6 Edmonton, Alberta	Canada	(780) 449-0552	www.mammoet.com	

CRANE MANUFACTURERS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Manitex International	3000 South Austin Avenue Georgetown, TX 78626	USA	(512) 942-3000	www.manitex.com	Steve Keifer President, North America
Manitowoc Cranes (Grove, National Crane, Potain)	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.manitowoccranes.com	Barry Pennypacker President
Marine Travelift International Ltd.	12 Stratfield Park Waterlooville, Hants PO7 7XN	UK	44 (0) 2392 230 811	www.marinetravelift.com	Jason Johnson Sales Manager
Mi-Jack Products, Inc.	3111 W. 167th St. Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager
New Dafang Heavy Industry S&T Co. Ltd.	401 E 34th Street N28C New York, NY 10016	USA	(212) 845-1100		
North American Lifting Equipment (Effer)	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 929-3303	www.efferusa.com	Timothy Smith President
ORMIG SpA	Piazzale Ormig, Regione Carlovini 12/A Ovada, AL 15076	Italy	39 0143 80051	www.ormig.com	Gian Paolo Aschero
Palfinger North America	PO Box 846 Niagara Falls, ON L2E 6V6	Canada	(905) 374-3363	www.palfingernorthamerica.com	Darrell Messman Manager
PM Group S.P.A	Via G. Verdi 22	Italy	39 059 936811	www.pm-group.eu	Stefano Ghesini Vice President
QMC Hydraulic Cranes	18071 Mt. Washington St Fountain Valley, CA 92708	USA	(800) 331-7959	www.qmccranes.com	Rex McAfee Manager
Riggers Manufacturing Company	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
Rigging Gear Sales, Inc.	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Bruce Forster President
Sany America	318 Cooper Circle South Peachtree City, GA 30269	USA	(678) 251-2810	www.sanyamerica.com	Xiang Wenbo President
Sarens USA	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America
Shuttlelift	49 E Yew Street Sturgeon Bay, WI 54235-1976	USA	(920) 743-8650	www.shuttlelift.com	Kurt Minten Director
Spydercrane Sales	5326 W. Mohave Street Phoenix, AZ 85043	USA	(623) 215-1000	www.spydercrane.com	
Stellar Industries Inc.	PO Box 169 Garner, IA 50438	USA	(641) 923-3741	www.stellar-industries.com	David Zrostilk President
Tadano America Corp.	4242 W. Greens Road Houston, TX 77066	USA	(281) 869-0030	www.tadanoamerica.com	Ingo Schiller President & CEO
Tadano Mantis	1705 Columbia Avenue, Suite 200 Franklin, TN 37065	USA	(615) 794-4556	www.mantiscranes.com	Kozo Yoshida COO
Terex Cranes	9528 West Interstate 40 Service Road Oklahoma City, OK 73128	USA	(877) MY-TEREX	www.terex.com	Steve Filipov President
Towerwork, Inc.	7 Old Field Road New York, NY 11733	USA	(516) 303-3004	www.towerwork.net	
Valla (A Manitex Company)	9725 Industrial Drive Bridgeview, IL 60455	USA	(708) 237-2076	www.valla-cranes.co.uk	Matthew Priest North American Distribution Manager
Wilbert Kranservice GMgH	55442 Stromberg Gewerbepark	Germany	49-6724/606-136	www.wilbert.de	Annette Wilbert Director
Wolffkran Inc.	59-12 57th St, Maspeth, NY 11378	USA	(718) 418-9650	www.wolffkran.com	Peter Schiefer Owner/CEO
XCMG	Industry Area No. 1 Xuzhou Economic Jangsu 221004	China	86 516 8773 871	www.xcmg.com	Rubens Azevedo Representative
Zoomlion	No. 361 South Ynpen Road Changsha, Hunan P.R. 410013	China	0086-731-88928069	www.zoomlion.com	

CRANE MATS, PADS & CRIBBING

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
AlturnaMATS	701 E Spring St, Mailbox #9 Titusville, PA 16354	USA	(800) 438-9336	www.alturnamats.com	Jack Roser President
American Mat & Timber Co.	6422 McGrew Houston, TX 77087	USA	(800) 671-0694	www.americanmatandtimber.com	Mike Robbins Owner
Beasley Forest Products Inc.	P O Box 788 Hazlehurst, GA 31539	USA	(912) 375-5174	www.beasleyforestproducts.com	Rabun Beasley Owner
Better Header	10 Duntton Avenue Deer Park, NY 11729	USA	(631) 242-1962	www.betterheader.com	Mark Foscolo Principal
Bigfoot Construction Equipment Inc.	1111 Broadway Court Woodstock, IL 60098	USA	(888) 743-7320	www.outriggerpads.com	Jeff Steiner Owner
Bridgewell Resources	10200 SW Greenburg Road Tigard, OR 97223	USA	(503) 872-3404	www.cranemats.com	Vince Walters General Manager
Carolina Mat Inc.	P O Box 339 Plymouth, NC 27962	USA	(252) 793-4045	http://www.carolinamat.com	Ronald Harrison Owner
Composite Advantage	401 Kiser Street Dayton, OH 45404-1639	USA	(937) 723-9031	www.compositeadvantage.com	Scott Reeve President
CraneWorks, Inc.	7795 East Little York Road Houston, TX 77016	USA	(281) 219-7779	www.craneworks.com	Keith Ayers CEO
DICA	104 Industrial Road Guthrie Center, IA 50115	USA	(800) 610-3422	www.dicausa.com	Kevin Koberg Sales & Marketing Manager
DIXIEMAT	216 Herring Rd Sandy Hook, MS 39478	USA	(800) 927-2059	www.dixiemat.com	Stephanie Mayfield Marketing Director
Fuqua Sawmill, Inc.	1761 NW 34th Ave. Ocala, FL 34475	USA	(352) 629-4713	www.cranematsflorida.com	Larry Fuqua Owner
Lifton's Inc.	1037 Highway 64 New Richmond, WI 54017	USA	(866) 439-7208	www.liftonsinc.com	Bob Lifton Owner
Lohrberg Lumber	5662 L Road Waterloo, IA 62298	USA	(618) 542-8024		Thor Lohrberg President
Macroplastics	2250 Hungtinton Drive Fairfield, CA 94533	USA	(707) 437-1200	www.macroplastics.com	Warren MacDonald CEO & President
New South Equipment Mats	281 Old Jackson Rd, Ste 10 Madison, MS 39110	USA	(866) 922-6287	www.newsouthmat.com	Barb Davis Marketing Director
Nylacast Ltd	770 Maple Lebanon, PA 17046	USA	(717) 270-5600	www.nylacast.com	Tanver Ali Sales & Marketing Director
Paul Davis Inc.	144 Sawmill Road Amite, LA 70422	USA	(985) 748-7980	www.pauldavisinc.com	Zachary Davis Salesperson
Prime Tech, Inc.	1210 Warsaw Road, Suite 1200 Roswell, GA 30076	USA	(770) 594-8608	www.primetechpads.com	Antje Price President
Quality Mat Company	6550 Tram Road Beaumont, TX 77713	USA	(800) 227-8159	www.qmat.com	Joe Penland Owner
Rhino Cribbing Company	1290 Edgewood Drive Pittsburgh, PA 15120	USA	(800) 974-4669	www.rhinocrib.com	Keith Brody Owner
Rigger Core/Rutland Plywood	One Ripley Road Rutland, VT 05701	USA	(802) 747-4000	www.rutply.com	Jack Barrett Owner
Ritter Forest Products	P O Box 1265 Nederland, TX 77627	USA	(800) 426-9570	www.ritterforest.com	Jessica Ritter-Holmes Sales
Sauber Manufacturing	10 North Sauber Road Virgil, IL 60151	USA	(630) 365-6610	www.saubermfg.com	Mike Blaser Marketing Manager
Signature Systems Group	50 East 42nd Street, 14th Floor New York, NY 10017	USA	(212) 953-1116	www.megadeckmats.com	Debra Wong Director of Marketing
South Eastern Timber Corporation	P O Box 9289 Coral Springs, FL 33075-9289	USA	(800) 752-3804	www.crane-mats.com	Diane Murray Vice of President Sales
Stab Line	4255 Hogan Montreal, QC H2H 2N2	Canada	(514) 521-8552	www.stabline.ca	Pierre-Michels Gendron Sales
Sterling Lumber Company	501 E. 151 Street Phoenix, IL 60426	USA	(708) 388-2223	www.sterlinglumber.com	Carson Sterling Owner
The Mat Rental Company	15237 County Road 20 Jemison, AL 35085	USA	(205) 646-0316	www.matrentalco.com	Janice Harris General Manager
Turtle Plastics	7400 Industrial Parkway Lorain, OH 44053	USA	(800) 756-6635	www.turtleplastics.com	Jennifer Naelitz, Executive Assistant to the President

ENGINEERING SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
2DM Associates	9235 Katy Freeway Suite 350, Houston, TX 77024	USA	(713) 461-3500	www.2dm.us	David Duerr, P.E. President
Becht Engineering Company	22 Church Street Liberty Corner, NJ 7938	USA	(908) 394-1260	www.becht.com	Charles Becht President
Haag Engineering	625 Industrial Blvd Sugarland, TX 774789	USA	(281) 313-9700	www.haagglobal.com	Jim Wiethorn Chairman
Howard Shapiro & Associates	303 Merrick Road Suite 400 Lynbrook, NY 11563	USA	(516) 791-2600	www.hisassoc.com	Howard Shapiro, P.E.
Landmark Engineering	2489 Rice Street, Suite 204, Roseville, MN 55113	USA	(651) 482-9750	www.landmarkengineering services.com	Ronald M. Kohner President
Rigging Associates	2144 5th Avenue W Seattle, WA 98149	USA	(206) 817-4939		Michael Lyons Owner
Ruby + Associates	3044 Northwestern Highway, Farmington Hills, MI 48334	USA	(248) 865-8855	www.rubyusa.com	Tricia Huneke President/CEO
Stroh Engineering	102 Vanderbilt Avenue Babylon, NY 11704	USA	(631) 669-7531	www.strohengineering.com	Peter Stroh President
Universal Engineering Services Inc.	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
All Area Escort Service Inc.	P O Box 745 Eastman, GA 31023	USA	(478) 374-1981		John Upshaw Owner
Barney's Pilot Car Equipment	2233 NE 244th Avenue, # 4 Wood Village, OR 97060	USA	(503) 665-4444	www.barneypilotcar.com	
Cheyenne's Pilot Cars Inc.	P.O. Box 122 Brookeville, MD 20833	USA	(301) 774-9061	www.cheyennespilotcars.com	Jennifer Jeffries & Katherine Phipps Co-owners
Comdata Network	5301 Maryland Way Brentwood, TN 37027	USA	(615) 376-6822	www.comdata.com	Gladys Work Sales
Diamond Plus Specialized	1 William Street S Clifford, Ontario NOG 1M0	Canada	(877) 327-4567	www.diamondplusspecialized.com	Ryann Dodd Operations Manager
Duncan Escort Service, LLC	P. O. Box 786 Rosedale, VA 24280	USA	(276) 970-2960		R.R. Duncan Owner
High, Wide & Heavy Oversize Escorts LLC	312 Arthur Kill Road Staten Island, NY 10308	USA	(347) 236-9995	www.highwideheavy.com	John Incontrera President
Interstate Flag Car Inc.	1358 Greenbag Road Morgantown, WV 26508	USA	(304) 296-8111		Herold Berthy, Jr., President
Jim's Pilot Car Services	3619 W Smith Ferry Road Muskogee, OK 74401	USA	(918) 682-9636	www.jimpilotcar.com	Jimmy Lee Owner
Kenco Bucket Trucks, LLC	P.O. Box 478 Channelview, TX 77530	USA	(281) 459-3100	www.highloads.com	Kenny Mungle Owner
Landstar Carrier Group	13410 Sutton Park Drive, South, Jacksonville, FL 32224-5270	USA	(800) 872-9400	www.landstar.com	Michael Cashner Vice President
Linda's Truck Escorting Service, Inc.	7321 Ringertown Road Export, PA 15632	USA	(724) 468-5019		Linda L. Kuhn President
Morrell Oversize	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	morrelloversize.com	Terry Morrell Owner
National Pilot Car Safety Institute	2233 NE 244th Ave., Suite E-4, Wood Village OR 97060	USA	(503) 328-8520	www.npcsi.net	Steven Barnes Director
New York Truck Escort & Permits, Inc.	792 Frankford Road West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckescorts.com	Maureen Mandich President
Nova Permits & Pilot Cars	2800 Ave, St-Jean-Baptist, Ste 235, Quebec City, PQ G2E 6J5	Canada	(418) 527-7775	www.novapermits.com	Louis Juneau President
ODS North America	7575 Trans Canada Hwy., Suite 500, St. Laurent, PQ H4T 1V6	Canada	(877) 635-7164	www.odsna.com	Nick Ruscito-Caissy Director

Pilotcarz4u LLC	P O Box 864 Williston, SC 29853	USA	(803) 266-5149	www.pilotcarz4u.com	Kay Greene-Smith Owner
Pyramid Escort Service	6321 Branderham Dr Memphis, TN 38134	USA	(901) 508-1806		Scott Sartin Vice President
Redneck Enterprises	P.O. Box 734 Ignacio, CO 81137-0734	USA	(970) 884-2369		Dale W. Baird Owner
Route America	P O Box 1409 Frankfort, KY 40602	USA	(866) 577-6883 x222	www.routeamerica.com	Jim Simpson President
Sapphire Rose Pilot Car, Inc.	P.O. Box 115 Converse, TX 78109	USA	(210) 661-6441	www.saphirerosepilotcar.com	Vickie Simmons President
State Line Pilot Car	4052 Stoddard Road Canandaigua, NY 14424	USA	(585) 394-9364	www.statelinepilotcar.com	Freddie Albrecht Owner
Statewide-Nationwide Bucket Truck Escorts	1411 W. 34th Street Houston, TX 77018-6211	USA	(713) 476-9101	www.buckettruckescorts.com	Billy D. Ralls President/CEO
Sunshine Flag Car Service	P.O. Box 262 Hershey, PA 17033	USA	(717) 534-1213		Thomas Alexander President
Sweet 'P' Express - Escort Service	4038 Route 20 Esperance, NY 12066	USA	(518) 527-6524		Pauline Hrycenko Owner
TrailBlazer Pilot Car Services	P O Box 17972 San Antonio, TX 78217	USA	(210) 822-7501	www.trailblazerpilotcar.com	Jake & Pat Kimmel Owners
Triton Transport Ltd.	20331 Duncan Way Langley, BC V3A 7N3	Canada	604-530-5124	www.tritontransport.com	Julie Burgess Communications Mgr.
WCS Permits	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Mollno President
Wheeling Equipment Company	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
Bairstow Lifting Products Co., Inc.	1785 Ellsworth Industrial Dr. Atlanta, GA 30318	USA	(800) 241-8990	www.bairstow.com	Robert Bairstow, Jr. President
Buckingham Manufacturing Company Inc.	P O Box 1690 / 11 Travis Avenue, Binghamton, NY 13904	USA	(607) 773-2400	www.buckinghammfg.com	James Pennefeather Vice President/ Sales & Marketing
DBI/SALA	3833 Sala Way Red Wing, MN 55066	USA	(800) 328-6146	www.capitalsafety.com	James Preacher Regional Sales Director
Elk River Inc.	PO Box 1770 Cullman, AL 35056	USA	(256) 739-5959	www.elkriver.com	Paul Doepel General Manager
European Technology Center MA, LLC	930 East Drayton Ferndale, MI 48220	USA	(248) 217-1945	www.etcna.net	Robert Walther Managing Director
Fall-Tech	1306 S. Alameda St. Compton, CA 90221	USA	(323) 752-0066	www.falltech.com	Kelly May Marketing Manager Managing Director
FrenchCreek Fall Safety	100 N. 13th Street Franklin, PA 16323	USA	(877) 228-9327	www.frenchcreek production.com	Stefan Marcella Marketing Coordinator
Guardian Fall Protection	26513 79th Ave South Kent, WA 98032	USA	(800) 466-6385	www.guardianfall.com	Jasson Farrier Vice President, Sales
Latchways Fall Protection	Hopton Park Dezives, Wilshire SN10 2JP	UK	1.14414E+13	www.latchways.com	Duncan Mathieson Sales
Miller Fall Protection - Honeywell Safety Products	1345 15th Street P.O. Box 271, Franklin, PA 16323	USA	(800) 873-5242	www.millerfallprotection.com	Heidi Henry Inside Sales Representative
MSA North America	P O Box 427 Pittsburgh, PA 15230	USA	(724) 776-8721	www.msasafety.com	Robert Apel Product Line Manager Fall Protection
RIT Safety Solutions	1900 Enterprise Pkwy, Ste H, Twinsburg, OH 44087	USA	(800) 254-2990	www.ritsafety.com	Omar Jordan President
Samsel Supply Company	1285 Old River Road Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	Jim Barberic Inside Construction Sales
Sperian Protection	900 Douglas Pike Smithfield, RI 02917	USA	(800) 343-3411	www.sperianprotection.com	Shelly Mihalic Sr Product Manager
Standfast	2630 West Bradley Place Unit A, Chicago, IL 60618	USA	(877) 850-8726	www.standfastusa.com	Jay Carman President
Tech Safety Lines	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO

Trinity Vendor Finance	475 Sansome St. 19th Floor San Francisco, CA 94111	USA	(800) 841-4433	www.trinityvf.com	Alan Adelson Senior Engineer
Wells Fargo Equipment Finance	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
1A Intermodal	1460 NW 107th Ave Miami, FL 33172	USA	(305) 629-6266	www.1aintermodal.com	Rick Gonzalez CEO
3Plus Logistics Co.	20250 S. Alameda St Rancho Dominguez, CA 90221	USA	(310) 667-5167	www.e3pl.com	John Kim Executive Vice President
Access World Logistics Corporation	7 Moonglade Lane Savannah, GA 31411	USA	(912) 352-4248	www.awlcorp.com	Butch Howard Sales & Marketing
American Cargoservice, Inc.	7886 Convoy Court San Diego, CA 92111	USA	(858) 565-4125	www.acssan.com	Ellen Laramie Vice President
Basil Equipment	31312 Via Colinas, Ste 109 West Lake Village, CA 91362	USA	(818) 991-9694	www.basilcranes.com	Bob Basil President
Bellville Rodair International	7155 Old Katy Rd., #103 Houston, TX 77024	USA	(713) 921-5544	www.bellvillerodair.com	Aubrey Waugh Branch Manager
Bennett International Transport	P O Box 569 McDonough, GA 30253	USA	(770) 957-1866	www.bennettig.com	David Lowry President
C.H. Robinson Project Logistics Ltd	102, 6715 - 8 Street N.E. Calgary, AB T2E 7H7	Canada	(403) 295-1505	www.chrprojectlogistics.com	Paul Pols President
C.I. Services, Inc.	P O Box 91955 Atlanta, GA 30364	USA	(678) 686-0933	www.clservicesinc.com	Jeffrey Lantz President
Central MN Logistics Inc. dba Roadrunner Transportation Services, Inc.	1139 Franklin Ave Fox Rapids, MN 56379	USA	(320) 656-8848 x17	www.rrts.com	Dave Demuth President
Convoy Logistics Providers Ltd.	482 South Service Road East, Suite 117, Oakville, ON L6J 2X6	Canada	(416) 621-1519	www.convoylogistics.ca	Dona Asciak Fletcher C.E.O
GT Worldwide Logistics	306 East Main Street Carnegie, PA 15106	USA	(866) 966-4999	www.gtlogisticsllc.com	Richard S. Francis, President
Landstar	13410 Sutton Park Drive South Jacksonville, FL 32224	USA	(877) 287-9495	www.landstar.com	Jim Gattoni President/CEO
Lattice Communications	98 W. Cemetery Rd Fairfax, IA 52228	USA	888 926-7541	www.latticebiz.com	Brant Mozina Sr. Manager of Business Development
Logistics Group International	1426 North Post Oak Road Houston, TX 77055	USA	(713) 957-4812	www.lgiinc.com	Stephen Day President / CEO
McDonough Marine Service	1750 Clearview Pkwy Metairie, LA 70001-2470	USA	(504) 780-8100	www.mcdonoughmarine.com	Eric Anderson Sales Manager
Morrell Oversize, Inc.	10752 171st Ave. NW Elk River, MN 55330-6323	USA	(763) 441-2011	www.morrelloversize.com	Renee Morrell President
NAL Worldwide / Syncreon	1200 Greenbriar Drive Addison, IL 60101	USA	(630) 261-3184	http://www.nal.syncreon.com	Mary Shawl Strategic Sourcing Manager
PartnerShip LLC	29077 Clemens Road Westlake, OH 44145	USA	(800) 599-2902	www.partnership.com/ O4SCRA	Polly Myers Program Manager
Q-Link Transportation Services	2425 Matheson Blvd. E, 8th Floor Mississauga, ON L4W 5K4	Canada	(877) 478-9995	www.qlinktrans.com	Todd Moore Operations Manager
Racing Cargo USA, Inc.	22251 Mines Road Laredo, TX 78045	USA	(877) 827-7813	www.racingcargo.com	Edwardo Haros, Director Partner
Red Arrow Logistics	22605 SE 56th Street, Suite 270, Issaquah, WA 98029	USA	(425) 747-7914	www.redarrowlogistics.com	Liz Lasater CEO
The Fogel Co.	4431 California St. San Francisco, CA 94118	USA	(415) 422-0081	www.fogelco.com	Rob Fogel President
Transportation Logistics Systems, Inc.	2510 East 85th Street Kansas City, MO 64132	USA	(816) 931-9479	www.translogsys.com	Melody Warrren President and CEO
UNI International	100 Corey Avenue St. Petersburg, FL 33706	USA	(727) 360-2844	www.uniinternational.com	Joseph Schulte President

MARINE SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Lake Michigan Carferry, Inc.	P.O. Box 708 Ludington, MI 49431	USA	(231) 843-1004	www.ssbadger.com	Pat McCarthy Vice President
McDonough Marine Service	1750 Clearview Pkwy., Ste. 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
Allied Power Products	6590 SW Fallbrook Place Beaverton, OR 97008	USA	(503) 626-0654	www.alliedpower.com	Matt Haywood Marketing
Avon Bearing Ltd.	1500 Nagle Road Avon, OH 44011	USA	(440) 871-2500	www.kaydonbearings.com	Ron Shaw Remanufacturing Manager
Braden Carco Gearmatic Paccar Winch Division	PO Box 547 Broken Arrow, OK 74013	USA	(918) 251-8511	www.paccarwinch.com	Tom Boham Marketing
Bremser North America, Inc.	1640 Shanahan Drive South Elgin, IL 60177	USA	(847) 289-3460	www.bremser1.com	Mike Konrad Sales/Marketing Manager
Bridgestone/ Firestone Off Road Tire	535 Marriott Drive Suite 800 Nashville, TN 37214	USA	(800) 905-2367	www.bfor.com	
Carol Crane Rigging and Lifting Technologies	P.O. Box 5605 Pasadena, TX 77508	USA	(713) 475-7181	www.ccr1t.com	Kelly Collins Marketing
Century Tire Inc.	5355 E 39th Avenue Denver, CO 80207	USA	(303) 455-3302	www.centurytireinc.com	Mark Biere President
Continental Tire North America Inc.	1800 Continental Blvd. Charlotte, NC 28273	USA	(704) 583-8825	www.contigentire.com	Cliff Armstrong, Head of ContiTrade the Americas
Cummins Off Highway	500 Jackson Street Columbus, IN 47202	USA	(812) 377-5000	www.cummins.com	Steve Sanders Off-highway Marketing/ Communications Mgr.
Flite Line USA	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President
Garrod Hydraulics	1050 Locust Point Road York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbusch Sales Representative
Hendrickson	500 Park Blvd., Suite 1010 Itasca, IL 60143	USA	(630) 773-9111	www.hendrickson-intl.com	Rence Olyphant Senior Director of North American Sales
Hercules SLR	520 Windmill Road Dartmouth, NS B3B 1B3	Canada	(902) 482-3125	www.herculeslr.com	Chris Giannou Marketing
Hydra-Slide	5617 4th Line, Rockwood, Ontario, NOB 2K0	Canada	(519) 496-4008	www.hydra-slide.com	Janine Smith Vice President
Hydraforce Hydraulics Inc.	500 Barclay Blvd. Lincolnshire, IL 60069	USA	(847) 793-2300	www.hydraforce.com	David Price Marketing Mgr.
JARP Industries, Inc.	1111 3rd. St. S.E. Waverly, IA 50677	USA	(715) 359-4241	www.jarpind.com	Les Homeister Regional Sales Manager
Kaydon Corp Bearings Div.	2860 McCracken Street Muskegon, MI 49441	USA	(800) 514-3066 x378	www.kaydon.com	Brian Walters Sales and Marketing - Engineered Products
Kinematics Mfg Inc.	2221 W Melinda Lane Phoenix, AZ 85027	USA	(623) 780-8944 x121	www.kinematicsmfg.com	David Pope President
KTSDI-Kessler	801 E Middletown Road North Lima, OH 44452	USA	(330) 783-2000	www.ksdi.com	Ken Timmings President
Loadwise International Ltd.	50, Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
MICO	1911 Lee Blvd North Mankato, MN 56003	USA	(507) 625-6426	www.mico.com	Dona Rehome Manager
MTU	39525 MacKenzie Dr. Novi, MI 48377	USA	(248) 560-8186	www.mtu-online.com	Philip Clark Senior Sales Manager
Palmer Johnson Power Systems	1835 Haynes Drive Sun Prairie, WI 53590	USA	(800) 341-4334	www.pjpower.com	Brad Borchers Product Support Engineer
Parker Hannifin Corp.	5035 Parkland Blvd Cleveland, OH 44124-4141	USA	(216) 896-3000	www.parker.com	Jeff Weber Manager

OEM COMPONENTS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Prineth Ltd.	1001 J-A Bombardier Street Granby, QC J2J 1E9	Canada	(819) 421-3099	www.prineth.com	Doug Little Director of Sales
RBC Bearings	102 Willenbrook Road Oxford, CT 06478	USA	(203) 267-7001	www.rbcbearings.com	Dan Hill, Director of Marketing
Rotek Incorporated	1400 South Chillicothe Road Aurora, OH 44202	USA	(330) 995-7271	www.rotex-inc.com	Laura Hanley Market Research
Simard Suspensions, Inc.	1064, boul. Mgr-De Laval Baie-Saint-Paul, Quebec G3Z 2W9	Canada	(418) 435-5347	www.simardsuspensions.com	Georges Cloutier, Assistant Sales Manager
Superior Tire & Rubber Corporation	PO Box 308, 1818 Penna Ave West Warren, PA 16365	USA	(814) 723-2370 x116	www.superiortire.com	Betsy Foley Administrator
TSP (Transport Systems And Products, Inc.)	P.O. Box 4236 Stamford, CT 06907	USA	(203) 656-1644	www.tspsalesandservice.com	Michael LaScala, Vice President Sales and Marketing
Universal Industrial Products	900 E Hamilton Ave Ste 100 Campbell, CA 95008	USA	(408) 996-2958	www.ui-pi.com	Fred Craig U.S. Operations Manager
Watson & Chalin Manufacturing	725 E University Dr McKinney, TX 75070	USA	(972) 547-6020	www.watsonsuspensions.com	Keith Rhodes Director of Sales/ Marketing
Winches, Inc.	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
Adeunis NA, Inc.	65 Pondfield Rd, Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director, Marketing and Communications
Allied Safety Systems	5224 W State Rd Sanford, FL 32771	USA	(407) 321-0722	www.sigalarminc.com	Lance Burney President
Basil Equipment	31312 Via Colinas Ste 109, West Lake Village, CA 91362	USA	(818) 991-9694	www.basilcranes.com	Mike Abrams Director of Operations
Cattron Group International	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
Cervis, Inc	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
Control Chief Corporation	200 Williams Street Bradford, PA 16701	USA	(814) 362-6811	www.controlchief.com	Allison Ambrose Marketing and graphics coordinator
Crane Warning Systems	4443 Holden Street Lakeland, FL 33811	USA	(863) 619-5585	www.cranewarning	Amber Soukkala Executive Administrator
Cranesmart Systems	4908 97 St. NW Edmonton, AB T6E 5S1	Canada	(780) 437-2986	www.cranesmart.com	Dean Raboud Sales Manager
Custom Crane Solutions	P O Box 581 Grove City, OH 43123-0581	USA	(614) 610-4324	www.ccranesolutions.com	Darrin Caldwell Custom Crane Solutions
Eartec/PortAPhone	P O Box 560 Narragansett, RI 02882	USA	(401) 789-8700	www.eartec.com	Leigh O'Connor Marketing
HBC-radiomatic GmbH	Haller Strasse 45-53 74564 Crailsheim	Germany	+49 7951 393-0	www.hbc-radiomatic.com	Wolfgang Brendel CEO
Hetronic USA	4300 Highline Blvd Bldg. A, Oklahoma City, OK 73108	USA	(405) 946-3574	www.hetronic.com	Tom Devonshire National Sales Manager
Hirschmann Automation and Control (PAT)	1540 Orchard Drive Chambersburg, PA 17201	USA	(717) 217-2200	www.hirschmann-mcs.com	Gary Peck Director, MCS
Holloway Houston Inc	5833 Armour Drive Houston, TX 77020	USA	(713) 674-5631	www.hhilifting.com	Ezequiel Ortuno Outside Sales
Hydro Electronic Devices (HED)	2120 Constitution Avenue Hartford, WI 53027	USA	(262) 670-5155	www.hedonline.com	Chris Kolbe Vice President of Sales and Marketing
Industrial Magnetics	P O Box 80 Boyer City, MI 49712	USA	(231) 582-3100	www.magnetics.com	Peter Friedrich Strategic Accounts Manager

Intercomp	3839 County Road 116 Minneapolis, MN 55340	USA	(763) 476-2531	www.intercompco.com	Aaron Van Heel Marketing Manager
Liftex Corporation	48 D Vincent Cr Warminster, PA 18974	USA	(800) 478-4651	www.liftex.com	Mark Kowalick COO
Loadwise International Ltd.	50, Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
Loadwise, Inc	18362 Gothard St Huntington Beach, CA 92648-1227	USA	(714) 841-5662	www.loadwise.com	Jim Bennett Owner
Magnetek Material Handling	175 Wall Street Glendale Heights, IL 60139-1985	USA	800-288-8178	www.magnetekmh.com	Mike Fedorchak, Inside Sales
Magtrol Inc.	70 Gardenville Pkwy Buffalo, MN 14224	USA	(716) 668-5555	www.magtrol.com	Jennifer Wilkins Marketing
Markload Systems	1118 N Main St Pearland, TX 77581	USA	(281) 485-8600	www.markload.com	Mike Irwin President
Measurement Systems International	14240 Interurban Ave So. Seattle, WA 98168	USA	(206) 433-0199	www.msiscscales.com	Tim Carroll Marketing Manager
MTS Sensors	3001 Sheldon Drive Cary, NC 27513	USA	(919) 677-2315	www.mts.com	Julie Malinofski, Marketing and Communications
North West Crane LTD, (NWC)	7015 Sparrow Drive Leduc, AB T9E 7L1	Canada	(780) 980-2227	www.norhtwestcrane.com	Don Kurjata Vice President
Professional Service & Repair Inc. (PSR Inc)	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500 x26	www.psrinc.biz	Jeff Johnson Sales and Marketing
Rayco-Wylie Systems	2440 Dalton Avenue Quebec City, Qc G1P 3X1	Canada	(418) 266-6600 x270	www.raycowylie.com	Pierre-Olivier Deslandes Marketing Specialist
SIKO Products	2155 Bishop Cir. E. Dexter, MI 48130	USA	(734) 426-3476 ext 212	www.sikoproducts.com	Maurizio Masullo President
Straightpoint	1221 Avenida Acaso Suite E Camarillo, CA 93012	USA	(805) 246-1462	www.straightpoint.com	Jeff Miller General Manager
Tractel Inc, Div of Griphoist	1615 Warden Ave Toronto, ON M1R 2T3	Canada	(800) 465-4738 x241	www.tractelnorthamerica.com	Steve Gallagher Marketing Manager
TWG	P O Box 1130 Jenks, OK 74037-1130	USA	(918) 298-8300	www.team-twg.com	Mike Paul Marketing Manager
Trimble Inc.	935 Stewart Drive Sunnyvale, CA 94085	USA	(281) 664-1330	www.trimble.com/ liftingsolutions	
Water Weights	5139 Brook Street, Ste E Montclair, CA 91763	USA	(909) 626-8316	www.imesinc.com	Jim Jota Manager

PERMITTING SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
AXYS Permits Inc.	467 Waterbury Court Gahanna, OH 43230	USA	(614) 471-9400	www.axyspermits.com	Valerie Daniel Sales
Comdata Network	5301 Maryland Way Brentwood, TN 37027	USA	(615) 376-6822	www.comdata.com	Gladys Work Sales
Hartill Heavy Haul, Inc.	P.O. Box 762 Arbuckle, CA 95912	USA	(530) 476-3820	www.hartillheavyhaul.com	Todd Hartill Vice President
High, Wide & Heavy Oversize Escorts LLC	312 Arthur Kill Rd Staten Island, NY 10308	USA	(347) 236-9995	www.highwideenheavy.com	John Incontrera President
JJ Keller Inc.	3003 Breezewood Lane Neenah, WI 54956	USA	(800) 231-5266	www.kellerpermits.com	Kaitlin Cheramy
Mercury Permits	2006 Highland Avenue Las Vegas, NV 89102	USA	(888) 239-7773	www.mercurypermits.net	Steve Thomas Partner
Morrell Oversize	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	www.morrelloversize.com	Terry Morrell
National Truck Services Group	P.O. Box 56666 Phoenix, AZ 85079	USA	(602) 944-5999	www.gontsg.com	Kathy Herter
New York Truck Escort & Permits, Inc.	P.O. Box 1814 West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktrucksescorts.com	Maureen Mandich President
Nova Permits & Pilot Cars	2800 Ave, St-Jean-Baptist, Ste 235 Quebec City, PQ F2E 6J5	Canada	(418) 527-7775	www.novapermits.com	Louis Juneau President
Permit America	116 Collison Center Drive, Ste. B, Frankfort, KY 40601	USA	(866) 573-7648	www.permitamerica.com	Mary Simpson President

PERMITTING SERVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Route America	P O Box 1409 Frankfort, KY 40602	USA	(866) 577-6883 x222	www.routeamerica.com	Jim Simpson President
Sky Guard	2506 Lakeland Drive Suite 403 Flowood, MS 39232	USA	(516) 492-0603	www.skyguard.com	Anthony Del Guercio
State Permits	7049 Mears Gate NW North Canton, OH 44720	USA	(800) 331-4805	www.statepermits.com	
Trans/Mid-American Inc.	14655 California Street Omaha, NE 68154	USA	(402) 493-6156	www.tmanetwork.com	Rick Waymire President
Transport Permits Ltd.	3825 West 9th Street Waterloo, IA 50702	USA	(319) 235-9033	www.tptrucking.com	John and Flo Schall Owners
WCS Permits	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Mollno President
West Chester Permit	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
Bode Technical Services Inc.	234 Columbine Suite 200 Denver, CO 80206	USA	(855) 263-3832	www.bodetechnical.com	
Boomtrux	9516 E. Dr. Martin Luther King Blvd, Suite 1 Tampa, FL 33610	USA	(813) 247-5683	www.boomtrux.com	Carlton Calfee CEO & Founder
BPT Components & Parts Inc	P O Box 4100 Sudbury, ON P3A 5Y9	Canada	(705) 524-8400	www.bpt.on.ca	Tim Edwards Vice President
Certified Boom Repair Service, Inc.	1902 N. 38th Street Tampa, FL 33605	USA	(813) 247-1963	www.certifiedboomrepair.com	Mike Smith President
Contractors SerVice Company	PO Box 2991 Eugene, OR 97402	USA	(541) 556-0517	www.cscparts.com	Ted Brown
Doc Bailey Construction Equipment Inc	9131 San Leandro St #110 Oakland, CA 94603	USA	(510) 638-6243	www.888docbailey.com	Doc Bailey President/CEO
Domson Engineering & Inspection	190 Wilkinson Road Brampton, ON L6T 4W3	Canada	(905) 789-1326	www.domson.ca	Dennis Domeichini
F & M Mafco	P O Box 11013 Cincinnati, OH 45211-1113	USA	(513) 367-2151	www.fmmafco.com	Susan Stegman
Flite Line USA	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President
Garrod Hydraulics Inc.	1050 Locust Point Rd. York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbusch Sales
H&E Equipment Services	7500 Pecue Lane Baton Rouge, LA 70809	USA	(225) 298-5200	www.he-equipment.com	Ralf Vieten Vice President Crane/ Reman/Structural Repair
Honnen Equipment	5055 E. 72nd Avenue Commerce City, CO 80022	USA	(303) 287-7506	www.Honnen.com	
KTSDI-Kessler	801 E Middletown Road North Lima, OH 44452	USA	(330) 783-2000	www.ktsdi.com	Ken Timmings President
Nord-Lock Inc.	1000 Greg Street Carnegie, PA 15106	USA	(412) 279-1149	www.nord-lock.com	Jason Milburn Marketing
Pro Mac Mfg. Ltd.	2940 Jacob Road Duncan, BC V9L 6W4	Canada	(250) 746-5181	www.promac.bc.ca	Shelley Woodman
Professional Service & Repair Inc.	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales
PVE Cranes & Services Ltd	P O Box 12529 Jacksonville, FL 32209	USA	(904) 765-6686	www.pveusa.com	Tom Wuerdeman Vice President
Pyramid Parts	9501 Allen Drive Cleveland, OH 44125-4603	USA	(216) 642-9600	www.pyramidparts.com	Adam Whittaker Product Manager
Rotor Electric Ltd	1385 Main Street North Vancouver, BC V7J 1C4	Canada	(604) 985-7024	www.rotorelevators.com	
Servicios De Carga Salerno (SCS) Miami	#PTX T0222, P O Box 527948, Miami, FL 33152-7948	USA	(507) 231-6866	www.salemocranes.com	Omar Salerno Gonzalez President
TVH	16355 S. Lone Elm Rd. Olathe, KS 66062	USA	(913) 829-1000	www.tvh.com	Eric Briese Director

W. L. CraneRepair Inc.	5206 N. Main St. Baytown, TX 77521	USA	(281) 839-6950	www.wlcraneSales.com	Wayne Long Owner
WHECO Worldwide Services	2989 Kingsgate Way Richland, WA 99354-5311	USA	(800) 937-4772	www.wheco.com	Dave Wood President

RIGGER TRUCKS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Custom Mobile Equipment	439 E High Street Baldwin City, KS 66006	USA	(785) 594-7474	www.versa-lift.com	Gary Dick President/Owner
Doral Equipment	427 E Stewart Street Milwaukee, WI 53207	USA	(414) 489-7000	www.doralcorp.net	Rob Keelan President
Dyer Equipment Co.	25975 Hwy. 14 Ault, CO 80610	USA	(970) 454-3784	www.heavyhaultrailers.net	Roy V Dyer Owner
HMS Lift Inc.	11 Highlander St. St. George, ON N0E 1N0	Canada	(877) 506-7770	www.brutelift.com	Eric Lavigne Manager
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 29303	USA	(864) 541-0582	www.riggerlift.com	Dirk Rinz Sales Manager
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, Albany, 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

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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.assemblyspecialty.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
Atlas Machinery	1090 W. 2180 North St., Salt Lake City, UT 84116	USA	(801) 322-1300	www.atlasmachinery.com	Larry DuPaix Sales
B.C. Wire Rope & Rigging	2720 East Regal Park Drive, Anaheim, CA 92806	USA	(800) 669-5919	www.bcwirerope.com	Bill Clark Vice President
Bairstow Lifting Products Co.	1785 Ellsworth Industrial Drive, Atlanta, GA 30318	USA	(404) 351-2600	www.bairstow.com	Robert Bairstow, Jr. President
Baydar & Associates Inc.	60 Walter Havill Drive, Suite 802, Halifax NS B3N 0A9	Canada	(902) 445-2535	www.baydar.ca	Jennifer Vaughan Office Manager
Bilco Wire Rope	1285 Central Ave., Hillside, NJ 07205	USA	(908) 351-7800	www.bilcogroup.com	Barry Lemberg Founder
Bishop Lifting Products, Inc.	125 McCarty Drive, Houston, TX 77029	USA	(713) 674-2266	www.lifting.com	David Moseley Vice President Marketing
Black Bear Corp.	7688 Carnegie Ave., Fontana, CA 92336	USA	(909) 390-0380	www.blackbearusa.com	Hans Ge Marketing Manager
Boise Rigging Supply	6750 W. Victory Road, Boise, ID 83715	USA	(208) 342-8919	www.boiserigging.com	Scott Black President
Bridon American Corp.	280 New Commerce Blvd, Wilkes-Barre, PA 18706	USA	(570) 822-3349	www.bridonamerican.com	Joseph Budde Sales Director
Brown & Perkins, Inc.	P.O. Box 412, Cranbury, NJ 08152	USA	(609) 655-1150	www.bridonamerican.com	Bill Comly Sales
Cable Cisco	7718 Northport Drive, West Sacramento, CA 95691	USA	(916) 371-6781	www.thecarpentergroup.com	Bernie Martin President
Cable Moore, Inc.	P.O. Box 4067, Oakland, CA 94614	USA	(510) 436-8000	www.cablemoore.com	Greg Moore Owner
Cableco	9816 Arlee Avenue, Santa Fe Springs, CA 90670	USA	(562) 942-8076	www.cabelcorriging.com	Greg Bailey Sales
Cableworks, Inc.	58 Highland Drive, P.O. Box 651, Putnam, CT 06260	USA	(860) 928-0475	www.cableworksusa.com	John Rauh President
Caldwell Lifting Solutions	5055 26th Ave., Rockford, IL 61109	USA	(815) 229-5667	www.caldwellinc.com	Theresa Dittbenner Director of Marketing
Cargo Control USA	P.O. Box 2806, Sanford, NC 27331	USA	(919) 775-5059	www.cargocontrolusa.com	Denise Godfrey Vice President of Sales
CAROL Crane Rigging & Lifting Technology	P.O. Box 5605, Pasadena, TX 77508	USA	(713) 475-7181	www.ccrllt.com	Kerry Collings Marketing
Carpenter Group	222 Napoleon St., San Francisco, CA 94124	USA	(415) 285-1954	www.carpentergroup.com	Bernie Martin
Cascade Rigging Inc.	9887 SE Mather Road, Clackamas, OR 97015	USA	(503) 722-7500	www.cascaderigginginc.com	Bob Cushman President
CECA LLC	158 Bails Road, Ripley, MS 38663	USA	(662) 316-3722	www.cecforge.com	Luke Staten CECA Representative
Certex Inc	1110 Lockwood St, Houston, TX 77020	USA	(713) 674-3000	www.certex.com	Chris Black CEO
Certified Slings, Inc.	P.O. Box 180127, Casselberry, FL 32718	USA	(407) 331-6677	www.certifiedslings.com	Dennis Worswick President
Certified Wire Rope & Testing Inc.	1106 4th St., Nisku, Alberta, T9E 8J2	Canada	(780) 955-9395	www.certifiedwirerope.com	Bonnie Carter Vice President of Customer Service

RIGGING GEAR/HARDWARE & WIRE ROPE ■ RIGGING GEAR/HARDWARE & WIRE ROPE

Chicago Hardware & Fixture Co.	9100 Parklane Ave., Franklin Park, IL 60131	USA	(847) 455-6609	www.chicagohardware.com	Jay Richmond National Sales Manager
Cleveland City Forge	46950 State Route 18 West, Wellington, OH 44090	USA	(440) 647-5400	www.clevelandcityforge.com	Shelly Fairchild Division Marketing Manager
Coffing Hoists	2020 Country Club Road, Wadesboro, NC 28170	USA	(704) 694-2156	www.coffinghoists.com	Tom Trost Director of Sales- Western U.S.
Columbus McKinnon Corp.	205 Chrosspoint Parkway Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trust
Commercial Group Lifting Products	12801 Universal Drive, Taylor, MI 48180	USA	(734) 947-4000	www.cglift.com	Gar Knight President
Continental Chain	7011 Girard Road, Edmonton, Alberta T6B 2C4	Canada	(780) 437-2701	www.continentalchain.com	Ian McClurg President
Contractors & Industrial Supply Co.	P.O. Box 40391, Nashville, TN 37204	USA	(615) 256-8658	www.cisrigging.com	Eric Schiller COO
Coordinated Wire Rope & Rigging, Inc.	1707 East Anaheim St., Wilmington, CA 90744	USA	(310) 834-8535	www.coordinatedcompanies.com	Bo Kentner Operations Manager
Coordinated Wire Rope of Hawaii, Inc. dba CWR Hawaii	120 Mokauea St., Suite F, Honolulu, HI 96819	USA	(808) 843-2020	www.cwrhawaii.com	David Tavares Manager
Cortland	10333 Richmond Ave., Suite 1000, Houston TX 77042	USA	(832) 833-8032	www.cortlandcompany.com	Lindsey Stansell
Crosby Canada	145 Heart Lake Road, Brampton, ON L6W 3K3	Canada	(905) 451-9261	www.crosby.ca	Colin Basinger National Sales Manager
Dakota Riggers & Tool Supply, Inc.	704 East Benson Road, Sioux Falls, SD 57104	USA	(605) 335-0041	www.dakotariggers.com	Nick Gladue General Manager
DCL Mooring & Rigging	4400 North Galvez Street, New Orleans, LA 70117	USA	(504) 944-3366	www.dcl-usa.com	Cody Schnuriger Vice President, Sales and Marketing
Delta Rigging & Tools	11233 Shadow Creek Pkwy, Suite 235, Pearland, TX 77584	USA	(504) 944-3366	www.deltarigging.com	Tom Hudgins Vice President, Sales and Marketing
Denver Wire Rope & Supply, Inc.	4100 Dahlia St., Denver, CO 80216	USA	(303) 377-5166	www.denverwirerope.com	Edmund Gubanich CEO
Desert Energy Equipment	P.O. Box 13290, Odessa, TX 79768	USA	(432) 381-3321	www.desertenergy.com	Brett Batham President
Detroit Hoist & Crane Co.	6650 Sterling Drive N., Sterling Heights, MI 48312	USA	(800) 521-9126	www.detroithoist.com	Charles Melder Sales Executive
Discount Wire & Sling, Inc.	4836 N.E. 11th Ave., Ft. Lauderdale, FL 33334	USA	(954) 772-7173	www.discountwireandsling.com	William Davis Owner
Diversified Lifting Systems, Inc.	4702 Distribution Drive, Tampa, FL 33605	USA	(800) 752-1214	www.diversifiedlifting.com	Billy Crowe President
Dominion Steel Specialties, Inc.	5301 Polk St., Building 18, Houston, TX 77023	USA	(713) 678-8141	www.dominionsteel.com	Andy Comeaux General Manager
Durabil by Durbin	2545 S. 25th Ave. Broadview, IL 60155	USA	(636) 463-1272	www.durabilitusa.com	Carol Meyer Vice President of Sales & Marketing
E. M. Blue's Sons, Inc.	P.O. Box 9521, Houston, TX, 77261	USA	(713) 926-6007	www.emblues.com	Carl Smith President
Ed's Wire Rope & Rigging, Inc.	11039 I St., Omaha, NE 68137	USA	(402) 614-8811	www.edswirerope.com	Ed Jackson Owner
Elite Sales Inc.	9445 S.W. 40th St., Miami, FL 33165	USA	(305) 262-3105	www.elitesalesinc.com	Randy Gonzalez President
Elko Wire Rope & Mining Supply	4280 E. Idaho St., Elko, NV 89801	USA	(775) 777-3824	www.elkowirerope.com	Neely Hammond Manager
Groupe Industriel DL Inc.	675 Boulevard Lionel-Boulet, Varenes QC J3X 1P7	Canada	(450) 652-5553	www.groupedl.ca	Natalie St-Amant Vice President of Business Development
Eriez Magnetics	2200 Asbury Road, Erie, PA 16506	USA	(814) 835-6000	www.eriez.com	Dan Zimmerman Director of Business Development
ESCO Corporation	P.O. Box 10123, Portland, OR 97210	USA	(503) 778-6768	www.escocorp.com	Kirk Yoresen Global Product Manager
F & M Mafco/QC21 Lifting Products	9149 Dry Fork Road, Harrison, OH 45030	USA	(513) 367-2151	www.qc21slings.com	Mark Freel Product Specialist

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
F.D. Lake Company	P.O. Box 8831 3313 Lousma Drive SE, Grand Rapids, MI 49518	USA	(616) 241-5639	www.fdlake.com	Michael Posey General Manager
Feeney Inc.	2603 Union Street, Oakland, CA 94607	USA	(800) 888-2418	www.feeneyinc.com	Katrina Ralston President
First Sling Technology	1125 West Hwy 152, Suite 113, Mustang, OK 73064	USA	(877) 453-4778	www.firstsling.com	Linda Summers President & Owner
Franklin Offshore Americas Inc	1325 South Creek Dr., Suite 300, Houston, TX 77084	USA	(281) 578-3828	www.franklin.com.sg	Marilyn Munoz Assistant Sales Manager
French Creek Production	626 13th St., Franklin, PA 16323	USA	(814) 437-1808	www.frenchcreekproduction.com	Jason Wible President
Fresno Wire Rope & Rigging	2360 S. East Ave. Fresno, CA 93721	USA	(559) 268-8885	www.fresnowirerope.com	Edward Mytych Manager
Gosan USA	1926 Spearing St. Jacksonville, FL 32201	USA	(904) 350-9191	www.gosausa.com	Rocio Santin President
Gunnebo Johnson Corp.	1240 N. Harvard Tulsa, OK 74115	USA	(918) 832-8933	www.gunnebojohnson.com	Kris Cleveland Senior Vice President
Hanes Supply Inc.	55 James E. Casey Drive, Buffalo, NY 14205	USA	(716) 826-2636	www.hanessupply.com	John Kane Director of Marketing
Hercules SLR, Inc.	520 Windmill Road, Dartmouth, NS B3B 1B3	Canada	(902) 482-3125	www.herculeslr.com	Chris Giannou President
Hercules Wire Rope & Sling	P.O. Box 1769, Houma, LA 70363	USA	(985) 876-5511	www.herculeswirerope.com	James LeBlanc Manager
Hessville Cable & Sling	1601 Cline Ave., Gary, IN 46406	USA	(800) 779-8466	www.hessvillecable.com	Ken Randall Owner
Holland RFID, Inc	1340 Burlington, North Kansas City, MO 64116	USA	(816) 268-5749	www.holland1916.com	Sanders Roth Director
Holloway Wire Rope	14620 E. Pine St., Tulsa, OK 74116	USA	(918) 582-1807	www.hollowaywirerope.com	Curt Tuggie Owner
Horizon Cable Service, Inc.	45 North Cooley Drive, Oklahoma City, OK 73127	USA	(405) 789-7125	www.horizoncableinc.com	Bruce Miller Owner
HWP Rigging	1017 Olive Street, Suite 1000 C St. Louis, MO 63101	USA	(314) 436-9019	www.hwprigging.com	Josh Cummings
Ideal Wire Rope	13101 S. Alameda St., Compton, CA 90222	USA	(310) 604-1853	www.idealwirerope.com	Bill Adams Technical Sales
Indusco Wire Rope & Supplies	1200 W. Hamburg St., Baltimore, MD 21230	USA	(800) 727-0665	www.induscowire.com	Gayle Protzko VP - General Manager
Industrial Rigging & Supply	1-25 McLaren Ave., Cambridge, ON N1R 8K9	Canada	(519) 624-9697	www.industrialrigging.ca	Greg Kockrow Plant Manager
Industrial Splicing & Sling Co. LLC	1842 North 109 East Ave., Tulsa, OK 74116	USA	(918) 835-4452	www.industrialsplicing.com	Mike Parham Sales Manager
Industries Lam-E Inc.	1050 Boul. Charest Quest, Quebec, QB G1N 0A3	Canada	(418) 652-9759	www.lam-e.com	Martin Auclair
Intercon Enterprises	1125 Fir Ave., Blaine, WA 98230	USA	(800) 665-6655	www.intercononline.com	A. J. Schenk Vice President of Sales
J.C. Renfroe & Sons	1926 Spearing St., Jacksonville, FL 32201	USA	(904) 356-4181	www.jcrenfroe.com	Joe Pless Marketing Manager
J. Henry Holland	5931 Thurston Ave., Virginia Beach, VA 23455	USA	(757) 460-3300	www.jhenryholland.com	Larry Lusk VP - General Manager
Jergens, Inc.	15700 S. Waterloo Road, Cleveland, OH 44110	USA	(216) 486-5540	www.jergensinc.com	Bob Kucinic
John A. Batchelor Company, Inc.	5922 Triumph St., Commerce, CA 90040	USA	(323) 262-4125	www.batchelorinc.com	John A. Batchelor, Jr. Owner
John Sakash Co., Inc.	800 Walnut St., Elmhurst, IL 60126	USA	(630) 833-3940	www.johnsakash.com	Bill Sakash President
Jordan Wire Rope	2400 W. 56th, Odessa, TX 79764	USA	(432) 366-6040		Andy Smith
Jtagz	P.O. Box 1084, Yeppoon, QLD 4703	Australia	+61 (1) 49302806	www.jtagz.com	Lauren Keen
Kennedy Wire Rope & Sling	4202 Dividend Drive, San Antonio, TX 78219	USA	(210) 527-0555	www.kwrs.com	Frank Garcia Branch Manager
Kentuckiana Wire Rope & Sling Co.	3335 Industrial Parkway, Jeffersonville, IN 47130	USA	(812) 282-3667	www.kwrinc.com	John Fireovid Operations Manager

RIGGING GEAR/HARDWARE & WIRE ROPE ■ RIGGING GEAR/HARDWARE & WIRE ROPE

Knight Equipment Co., Inc.	P.O. Box 93, 717 N. 15th St., Bowling Green, MO 63334	USA	(573) 324-3212	www.knighteq.com	Ray Knight Owner
Kulkoni Inc.	P.O. Box 10747, 502 Garden Oaks, Houston, TX 77206	USA	(713) 691-1234	www.kulkoni.com	Michael Rothermund Vice President
KWS	P.O. Box 470487, Tulsa, OK 74147	USA	(800) 872-9313	www.kws.com	Elizabeth Roberts
Laclede Chain Manufacturing Co.	1549 Fenpark Drive, Fenton, MO 63026	USA	(636) 680-2320	www.lacledechain.com	Greg Luerkens
Lamco Slings & Rigging Inc.	4960 41st Street Court, Moline, IL 61265	USA	(309) 764-7400	www.lamcoinc.com	William Lambrecht Owner
Landmann Wire Rope Products Inc.	6500 Goodyear Road, Benicia, CA 94510	USA	(707) 748-1700	www.landmannwire.com	Rick Colvin President
Lift-All Company, Inc.	P.O. Box 27, Landisville, PA 17538	USA	(717) 898-6615	www.lift-all.com	Jeff Kauffman
Liftex Corporation	48 Vincent Circle Unit D, Warminster, PA 18974	USA	(713) 863-0900	www.liftex.com	Mark Kowalick
Lifting & Rigging Specialty Sales, Inc.	2100 West Drive, Greensburg, PA 15601	USA	(724) 552-0083	www.thechainman.com	Harry Coulter Owner
Lifting Gear Hire Corp	9925 S. Industrial Drive, Bridgeview, IL 60455	USA	(708) 598-4727	www.lgh-usa.com	Patrick Clark
Lift-It Manufacturing Company, Inc.	1603 W. 2nd St., Pomona, CA 91766	USA	(909) 469-2252	www.lift-it.com	Mike Gelskey CEO
LiftPRO International, Inc.	5959 Seville Road, Duluth, MN 55811	USA	(218) 729-9211	www.liftpro.com	Fred Ambli Owner
Linton Rigging Gear Supplies, LLC	6819 Hwy 311, Sellersburg, IN 47172	USA	(812) 246-3515	www.lrgsupplies.com	Ray Linton Owner
Lone Star Rigging	4175 W. Cardinal Drive, Beaumont, TX 77705	USA	(409) 842-2263	www.lonestarrigging.com	Chris Richardson Owner
LUBE-A-BOOM	8151 River Bay Drive East, Indianapolis, IN 46240	USA	(317) 501-1104	www.lubeaboom.com	Jo Roberts VP of Operations
Magna Lifting Products, Inc.	P.O. Box 2290, Blaine, WA 98231	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
Manchester Sling Company	5600 Surrey Square, Houston, TX 77017	USA	(800) 392-5510	www.manchestersling.com	Matt Barlow Sales Manager
Marcal Rope & Rigging	P.O. Box 477, 1862 E. Broadway, Alton, IL 62002	USA	(618) 462-0172	www.marcalrigging.com	Tom Miller President
Marine & Industrial Supply Co.	150 Virginia St., Mobile, AL 36652	USA	(251) 438-4617	www.marineandindustrial.com	Leroy Benton, III President
Marine Rigging, Inc.	552 Beauregard St., Mobile, AL 36603	USA	(251) 432-1212	www.marinerigging.com	Kinley Bell President
Mazzella Lifting Technologies	21000 Aerospace Pkwy, Cleveland, OH 44142	USA	(440) 239-7000	www.mazzellalifting.com	Bill Franz
Memphis Chain & Cable Services LLC	581 Pear Ave., Memphis, TN 38107	USA	(901) 524-1100		Steve McAlpin Owner
Metro Wire Rope Corporation	553 Lehigh Ave., Union, NJ 07083	USA	(908) 964-3690	www.metrowirerope.com	Jack Gibbons President
Miami Cordage/Florida Wire & Rigging Works	2475 Northwest 38th St., Miami, FL 33142	USA	(305) 636-3000	www.miamicordage.com	Fran Hoffman Marketing Director
Mid America Industries	7701 St. Clair Ave., East St. Louis, IL 62203	USA	(618) 398-5221		Greg Brown Manager
Midco Sling & Cable Co.	9101 West John Carpenter Fwy, Dallas, TX 75247	USA	(214) 688-0444	www.midcosling.com	Doug Dry Owner
Midwest Rigging Supply	2900 Airpark Drive Owensboro, KY 42301	USA	(270) 663-1331	www.mwrigging.com	
Mile High Rigging, Inc.	6400 C. Stapleton Drive S., Denver, CO 80216	USA	(303) 322-3277	www.milehighrigging.com	Steve Cook Owner
Mill Valley Splicing, Inc.	P.O. Box 615, Belchertown, MA 01007	USA	(413) 323-6307	www.millvalleysplicing.com	James Boyko President
Miller Products	100A Sturbridge Road, Charlton, MA 01507	USA	(508) 248-3941	www.millerproducts.net	Paul Jankovic
Millfield Enterprises Mfg. Ltd/ Wirelock	16 Shelley Road Newburn Ind. Estate, Newcastle-Upon-Tyne, NE15 9RT	UK	+44 191 2648541	www.millfield-group.co.uk	John Dodd Technical Support

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Modulift UK Ltd	11 New Fields Business Park, UK Stinsford Road, Poole, Dorset BH17 0NF		+44 1202 621511	www.modulift.com	Sarah Spivey Managing Director
Moore Sales Inc.	2539 Data Drive, Louisville, KY 40299	USA	(502) 491-6868	www.mooresalesinc.net	Steve Moore Owner
Muncy Industries	P.O. Box 205, Muncy, PA 17756	USA	(570) 649-5188	www.muncyindustries.com	Ophelia Fetter
Murdock Webbing Company, Inc.	27 Foundry St., Central Falls, RI 02863	USA	(800) 375-2052	www.murdockweb.com	Ray Clarke Vice President of Sales
Napco & Associates, Inc.	P.O. Box 826, Winona, MN 55987	USA	(507) 452-5424		Steve Napieralski Owner
National Industrial Supply Co.	1201 Rochester Road, Troy, MI 48083	USA	(248) 588-1828	www.nischain.com	Mary Brett Rigging Equipment Inspection Expert
Nelson Wire Rope Corp.	3051 Penn Avenue, Hatfield, PA 19440	USA	(215) 721-9333	www.nelsonwirerope.com	Richard Nelson President
New England Crane, Inc.	2 Cedar St., Lewiston, ME 04240	USA	(888) 450-0477	www.newenglandcrane.com	Scott Harding Vice President
New Haven Moving Equipment Co.	13571 Vaughn St., San Fernando, CA 91340	USA	(213) 749-8181	www.newhaven-usa.com	Larry Levine Managing Principal
Newco Manufacturing	13531 Wyandotte St., Kansas City, MO 64145	USA	(816) 942-2860	www.newcomfg.com	Erica Ryles General Manager
Newell Davis Co. Inc.	2962 N. Kerr Ave., Wilmington, NC 28405	USA	(910) 762-3500	www.newelldavis.com	Teresa McGee President & CEO
Norex Manufacturing Co. Ltd.	P.O. Box 2951, Sumas, WA 98295	USA	(604) 888-2100		Norbert Schottko President
Northern Metallic Sales (FSJ) Ltd	10407 Alaska Road, Fort St. John, BC V1J 1B1	Canada	(250) 785-6655	www.northernmetallicfsj.com	Bruce Mitchell General Manager
Oceanside Equipment Ltd	30 Akerly Blvd., Dartmouth, NS B3B 1N1	Canada	(902) 468-4844		Greg Maloney President
Olsen Chain & Cable, Inc.	P.O. Box 970, Cokato, MN 55321	USA	(320) 286-2187	www.olsenchain.com	Dave Camp Vice President
Omaha Slings, Inc.	4406 South 89th St., Omaha, NE 68127	USA	(402) 331-0911	www.omahaslings.webs.com	Gerald Papst Owner
Pacific Cargo Control, Inc.	18200 S.W. Teton Ave., Tualatin, OR 97062	USA	(800) 821-8431	www.pacificcargo.com	Ken Webb Corporate Sales
Pacific Industrial Supply	1231 S Director St., Seattle, WA 98108	USA	(206) 682-2100	www.pacificindustrial.com	Lee Frazier Owner
Pacific West Wire Rope	6417 Bandini Blvd., City of Commerce, CA 90040	USA	(323) 724-7724	www.pacwestwirerope.com	Dale Kreinkamp CEO
Pacific-Gulf Wire Rope, Inc.	1504 Engineers Road, Belle Chasse, LA 70037	USA	(504) 341-0066	www.pacificgulfwirerope.com	Keith Plaisance President & Owner
Paducah Rigging, Inc.	4150 Cairo Road, Paducah, KY 42001	USA	(270) 443-3863	www.paducahrigging.com	Alex Edwards President
Page Wire Rope & Slings, Inc.	101 Gallier St., Lafayette, LA 70506	USA	(337) 234-0353	www.pagewirerope.com	Don Page President
Peerless Industrial Group	P.O. Box 5349, 1416 E Sanborn St., Winona, MN 55987	USA	(800) 533-8056	www.peerlesschain.com	Christy Kutchma
Pewag Chain	600 W Crossroads Pkwy., Bolingbrook, IL 60440	USA	(630) 226-6020	www.pewagchain.com	Mike Uhrenbacker President
Pfeifer Wire Rope	600 Industry Drive, Hampton, VA 23661	USA	(757) 825-2544	www.pfeifer.us.com	Michael Pels Key Account Manager
Phoenix Wire Rope & Rigging	700 Cedar Bay Road, Jacksonville, FL 32218	USA	(904) 367-1842	www.phoenixrope.net	Mark Thomas President
Precision Installations & Services, Inc.	30660 8 Mile Road, Farmington, MI 48336	USA	(248) 478-6353	www.precisionriggers.com	Thomas Earle Owner
Premier Wire Rope	5048 Timber Creek Drive, Houston, TX 77017	USA	(713) 979-5300	www.premierwirerope.com	Steve Brewer Vice President of Sales & Marketing
Python America/ASC	1406 W 175th St., East Hazel Crest, IL 60429	USA	(708) 647-4900	www.ascindustries.com	Tony Fastuca Vice President
Rasmussen Equipment Co.	8727 5th Avenue S., Seattle, WA 98108	USA	(206) 762-3700	www.rasmussenco.com	Dave Duffy Rigging Manager/ Outside Sales

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Redaelli Wire Ropes	Via A Volta 16, Cologno M.se, Milano 20093	Italy	(864) 414-9348	www.redaelli.com	Paolo Venturini Area Sales Manager
Reel-O-Matic, Inc	6408 S. Eastern Ave., Oklahoma City, OK 73149	USA	(405) 672-0000	www.reelomatic.com	Don Moreau
Ribbon Webbing Corp.	4711 W. Division St., Chicago, IL 60651	USA	(773) 287-1221	www.ribbonwebbing.com	Daniel Perkins Sales
Richerson and Associates	P.O. Box 8540, Mandeville, LA 70433	USA	(985) 867-1415	www.richersonrep.com	Oscar Richerson Owner
Rigging & Tools, Inc.	2031 Lee Ave., Bismark, ND 58504	USA	(701) 224-1122	www.riggingandtools.com	Brad Olsen Owner
Rockford Rigging, Inc.	5401 Main Sail Drive, Roscoe, IL 61073	USA	(815) 877-0007	www.rockfordrigging.com	John Malcottem President
Rocky Mountain Wire Rope & Rigging	2421 S. 2570 West, Salt Lake City, UT 84119	USA	(801) 972-4972	www.rmwr.co	Rob Sutphin General Manager
Roughrider Rigging, Ltd.	118 Faithful Crescent, Saskatoon, SK S7K 8H8	Canada	(306) 651-1834	www.saturnind.com	Gerry Wiederhold
Rouster Wire Rope & Rigging	102 Ridge St., Mabscott, WV 25871	USA	(304) 252-6031	www.rousterwrr.com	Chuck Farmer
RUD	P.O. Box 367, Hiawatha, IA 52233	USA	(319) 294-0001	www.rud.com	Katie Eliason
Safe 'N Secure USA, LP	2673 Freewood Drive, Dallas, TX 75220	USA	(214) 358-4565	www.safensecureusa.com	Ken Webb Sales & Marketing
Safety Clamps, Inc.	233 Santa Barbara Ave., Jacksonville, FL 32254	USA	(800) 456-2809	www.safetyclamps.com	Scott Griffin Owner
Safety Sling Company	909 Fulton Street, Pittsburgh, PA 15233	USA	(412) 231-6684	www.safetysling.com	Tom Talkowski Vice President
Sam Winer Motors Inc	3417 E. Waterloo Road, Akron, OH 44312	USA	(330) 628-4881	www.samwinermotors.com	Sid Zetzer Finance Executive
Samsel Supply Co.	1285 Old River Road, Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	Kathy Petrick President
Samson Rope Technologies	2090 Thornton Street, Ferndale, WA 98248	USA	(360) 384-4669	www.samsonrope.com	Michelle Jarvis Marketing Strategy Manager-Industrial
Saturn Industries Ltd.	37 Sylvan Way, Winnipeg, Manitoba R2R 1V9	Canada	(204) 633-1529	www.saturnind.com	John Lang
Sea-Fit Inc	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-fit.com	Tyrus Smith Marketing Manager
Sea-Land Distributors, LLC	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-landdistributors.com	Michael Hall Owner & President
SG Consulting	3709 Clearwater Lane, Brookhaven, PA 19015	USA	(610) 876-3445	www.sg-consultants.com	Steven Guydos President
Sharrow Lifting Products	301 Country Road E2 West, New Brighton, MN 55112	USA	(651) 489-1341	www.ccsharrow.com	Bob Downs President
Sheave Source	P.O. Box 100368, 4264 Underwood Industrial Drive, Birmingham, AL 35210	USA	(205) 956-7005	www.sheavesource.com	Pat Cowart Owner
Sheaves, Inc.	195 Leonard Drive, Groton, CT 06340	USA	(866) 344-6774	www.esheaves.com	Stew Walton Owner
Silver State Wire Rope & Rigging	8740 S. Jones Blvd., Las Vegas, NV 89139	USA	(702) 597-2010	www.sswr.net	Pete Rogers President
Sling Tech	124 Brock St., Barrie, ON L4N 2M2	Canada	(705) 719-4899	www.slingtech.com	Mandy Rij Sales & Marketing Manager
Sling-Choker Manufacturing Ltd.	605 Rennie Street, Hamilton, ON L8H 3P8	Canada	(905) 545-5025	www.slingchoker.com	John Walsh Export Manager
Slingmax Rigging Products	P.O. Box 2423, Aston, PA 19014	USA	(610) 485-8500	www.slingmax.com	Jeff Susman President
Solutio LLC	14819 S.W. Frwy, Suite 301-325, Sugar Land, TX 77478	USA	(281) 773-5001		Jay Zgarba
Source Atlantic Hydraulics, Rigging and Rubber	P.O. Box 967, 331 Chelsey Drive, New Brunswick E2L 4E4	Canada	(506) 648-2620	www.sourceatlantic.ca	Peter Wilson
Southeast Rigging, Inc.	1645 Jessie St., Jacksonville, FL 32206	USA	(904) 355-3423	www.southeastrig.com	Dan Giannattasio President
Southern Weaving Co.	P.O. Box 487, Greenville, SC 29602	USA	(864) 240-9325	www.southernweaving.com	Susan Crow-Granger

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Southern Wire Corp.	8045 Metro Road, Olive Branch, MS 38654	USA	(662) 893-4644	www.southernwire.com	Andrew Hall Vice President and General Manager
Southwest Ocean Services	5721 Harvey Wilson Drive, Houston, TX 77020	USA	(713) 671-9101	www.swos.net	Conrad Reynolds Sales Manager
SpanSet, Inc.	3125 Industrial Drive, Sanford, NC 27332	USA	(501) 658-9665	www.spanset-usa.com	Todd Sharp
Suncor Stainless	70 Armstrong Road, Plymouth, MA 02360	USA	(508) 732-9191	www.suncorstainless.com	Loye Young
Superlift Wire Ropes USA, LLC	836 Registry Terrace, Kennesaw, GA 30152	USA	(678) 575-5182		Terry Miller
Tandemloc, Inc.	824 Hwy 101, Havelock, NC 28532	USA	(800) 258-7324	www.tandemloc.com	John DiMartino President
Tennessee Sling Center	3501 Clio Ave., Chattanooga, TN 37407	USA	(423) 634-9005	www.tennesseeslingcenter.com	Terry Roderick General Manager
TTEUFELBERGER Holding AG	Vogelweiderstrasse 50, 4600 Wels	Austria	+43 7242 615-0	www.teufelberger.com	DI Stefan Punchner Product Manager
The Crosby Group	P.O. Box 3128, Tulsa, OK 74101	USA	(918) 834-4611	www.thecrosbygroup.com	Ron Vanderslice Marketing Manager
The Indusco Group	1200 West Hamburg St., Baltimore, MA 21230	USA	(800) 727-0665	www.induscogroup.com	Keith Dennis General Manager
The Rigging Box, Inc.	8480 Terminal Road, Lorton, VA 22079	USA	(703) 339-7575	www.theriggingbox.com	Selina Conrad President & Manager
The Ulven Companies/Skookum	P.O. Box 280, Hubbard, OR 97032	USA	(503) 651-3175	www.ulvencompanies.com	Brent Nasset
Timco, Inc.	2 Greentown Road, Buchanan, NY 10511	USA	(905) 691-7102	www.timco-eng.com	Dave Dunn Sales Manager
Tractel Inc., Div of Griphoist	1615 Warden Ave., Toronto, ON M1R 2T3	Canada	(800) 465-4738	www.tractelnorthamerica.com	Steve Gallagher Marketing Manager
Trinity Sling Authority, Inc.	2201 E. Loop 820 North, Fort Worth, TX 76118	USA	(817) 589-2404	www.trinitysling.com	Bruce Harten Owner
Tri-State Wire Rope & Supply	2425 West Bridger Road, Salt Lake City, UT 84104	USA	(801) 954-0300	www.tristatewirerope.com	Mike Lister President
Tulsa Chain Inc.	12820 S. Memorial Drive, Unit 126, Bixby, OK 74008	USA	(918) 392-2829	www.tulsachain.com	Mike Robertson President
Ultra-Safe, Inc.	2339 N. 34th Drive, Phoenix, AZ 85009	USA	(602) 484-7713	www.ultrasafeusa.com	Marty Sharp President
Unalloy / IWRC	737 Oval Court, Burlington, ON L7L 6A9	Canada	(905) 790-3112	www.unalloy-iwrc.com	Paul Groeneveld General Manager
Union Sling Company	P.O. Box 565301, Dallas, TX 75356	USA	(800) 999-6207	www.unionsling.com	Stella Emerson HR Executive
Uniroppe	3070 Universal Drive, Mississauga, ON L4X 2CB	Canada	(905) 624-5131	www.uniroppe.com	Knut Buschmann President
Unitex Group USA	P.O. Box 455, 104 Hurrican Creek Road, Piedmont, SC 29673	USA	(864) 846-8690	www.unitexusa.com	Dan Posa
USHA Martin Americas, Inc.	701 Plastics Ave., Houston, TX 77020	USA	(713) 676-1800	www.ushamartin.com	Sunil Sadani Vice President of Commercial
Van Beest USA LLC	P.O. Box 96529, 1357 Sheffielde Blvd., Houston, TX 77015	USA	(713) 674-5753	www.vanbeest.nl	Chris Keffer
Verope USA	11018 Pleasantville Drive, Houston, TX 77029	USA	(832) 831-0132	www.verope.com	Chase Richter Sales Manager
Visco Inc.	P.O. Box 67127, Lincoln, NE 68506	USA	(402) 489-6492	www.viscoinc.com	Larry Isaacson Owner
Voto Manufacturers Sales Company	P.O. Box 1299, 500 N. Third St., Steubenville, OH 43952	USA	(740) 282-3621	www.votosales.com	Janie Mayle President
Washington Wire Rope	8411 Irvington Blvd., Houston, TX 77022	USA	(800) 332-2376	www.wwirerope.com	Robert Tenorio Sales
WESCO Industries, Ltd.	Unit 1, 9663 - 199 A St., Langley, BC V1M 2X7	Canada	(604) 881-3000	www.wescovan.com	Kaz Arai President
West Coast Wire Rope & Rigging Inc.	2900 N.W. 29th Ave., Portland, OR 97210	USA	(800) 275-0482	www.wcwr.com	Steve Hughes

West Equipment Co., Inc.	1545 E. Broadway, Toledo, OH 43605	USA	(419) 698-1601	www.thewestequipment.com	Bernard Erdmann President
Western Sling & Supply Co.	P.O. Box 208, Sedalia, CO 80135	USA	(303) 688-0978	www.westernsling.com	Stan Truitt President
Wireco Worldgroup	2400 W 75th Prairie Village Kansas City, KS 66208	USA	(816) 270-4700	www.wirecoworldgroup.com	Blake Chandler SVP Global Mining & Sales
Wire Rope Industries	5501 Trans-Canada Hwy., Pointe-Claire, QC H9R 1B7	Canada	(514) 426-6647	www.wirerope.com	Vladimir Miladinovic Manager of Business Intelligence
Wire Rope Technology Aachen GmbH	Grunenthaler, 40a, 52072 Aachen	Germany	+49 241 173147	www.ropetechnology.com	Roland Verreet Owner
Wirerope Works, Inc.	100 Maynard St., Williamsport, PA 17701	USA	(570) 327-4206	www.wvrope.com	Bill Austin Marketing Director
Wisconsin Lifting Specialists, Inc.	P.O. Box 1621, 2033 W. St. Paul Ave., Milwaukee, WI 53201	USA	(414) 342-7475	www.masterrigging.com	Dave Cappell Owner
Worldwide Enterprises, Inc.	70 Commercial Way, East Providence, RI 02914	USA	(888) 297-3900	www.wvwirerope.com	Jack Petrone Owner
Yarbrough Cable Service, LLC	P.O. Box 70184, 950 Stage Ave., Memphis, TN 38107	USA	(800) 395-5438	www.yarcable.com	Frederick Daniel Merrill
Yoke Inc.	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
Allied Safety Systems	5224 W State Rd Sanford, FL 32771	USA	(407) 321-0722	www.signalarminc.com	Lance Burney Owner
CM Labs Simulations	645 Wellington, Suite #301, Montreal, Quebec, H3C 1T2	Canada	(514) 287-1166	www.cm-labs.com	Melanie Mulligan-Pittarelli Lead Management Specialist
Custom Crane Solutions	P O Box 581 Grove City, OH 43123-0581	USA	(614) 610-4324	www.ccranesolutions.com	Darrin Caldwell Consultant
Dr. Shrink, Inc.	315 Washington St Manistee, MI 49660	USA	(231) 723-2685	www.dr-shrink.com	Angela Jensen Marketing Director
Eartec Co.	145 Dean Knauss Drive Narragansett, RI 02882	USA	(401) 782-4966	www.eartec.com	Leigh O'Connor Marketing Manager
Etiflex Corp	2500 E Hallandale Beach Boulevard Hallandale Beach, FL 33309	USA	(305) 824-9078	www.etiflex.com	Alicia Margulis Vice President
GoLight Inc.	37146 Old Highway 17 Culbertson, NE 69024-8226	USA	(308) 278-3131	www.golight.com	Jeff Shaddock Industrial Service Manager
Infochip Systems Inc.	#203, 1122- 3rd Ave South, Lethbridge, AB T1J 0J6	Canada	(877) 747-2448	www.infochip.com	Tom Bamford Owner
Insulatus Inc.	708 Marks Road, Ste B Valley City, OH 44280	USA	(216) 925-5387	www.insulatus.com	Jonathan Mitchell Sales Manager
Keytroller	3907 W. Martin Luther King Blvd, Tampa, FL 33614	USA	(813) 877-4500	www.keytroller.com	Terry Wickman
Lynn Safety	367 Civic Dr, Ste 8 Pleasant Hill, CA 94523	USA	(925) 609-7646	www.lynsafety.com	Nancy Hadley Marketing Director
Moore Sales Inc.	2539 Data Drive Louisville, KY 40299	USA	(502) 491-6868	www.mooreSalesinc.net	Steve Moore Owner
MTS Sensors	3001 Sheldon Drive Cary, NC 27513	USA	(919) 677-2315	www.mtssensors.com	Brian Cox Marketing Manager
National Truck Services Group	1622 N Black Canyon Hwy Phoenix, AZ 85009	USA	(602) 944-5999	www.gontsg.com	Nicole Wendt Senior Account Manager
Orlaco Products B.V. North America	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.orlaco.com	Peter Dove Account Manager
Pacific Systems Solutions	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	David Catanzaro CEO
Safety Resources Unlimited, Inc.	4800 S.W. 20th Street Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Jennifer Sale President
Tech Safety Lines	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO

SAFETY EQUIPMENT AND PRODUCTS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Tecsis GmbH	Carl-Legien-Strasse 40 Offenbach am Main, 63073	Germany	49-69-5806-9480	www.tecsis.de	Matthias Winkel Sales
The Center for Construction Research and Training	8484 Georgia Ave. Suite 1000 Silver Spring, MD 20910	USA	(301) 495-8523	www.cpwr.com	Mary Watters Director of Communications
The Equipment Lock Co.	P O Box 4308 Winchester, VA 22604	USA	(540) 722-1011	www.equipmentlock.com	Janene Ferris Marketing Manager
Transportation Safety Apparel	14B Cardinal Street Hilton Head, SC 29926	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
Unimar	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
A1A Software (3D Lift Plan/i CraneTrax)	1577 S. 8th St. Fernandina Beach, FL 32034	USA	(904) 430-0355	www.a1asoftware.net	Tawnia Weiss President
Alert Management Systems	19 South Tejon Street, Suite 206 Colorado Springs, CO 80903	USA	(719) 634-7755	www.alert-ims.com	Rob Ross President
AnyDATA Corp	5 Oldfield Irvin, CA 92618	USA	(949) 900-6040	www.anydata.com	Anne Simons
Avontus Software Corp.	2140 Shattuck Ave, Ste 804 Berkeley, CA 94704	USA	(800) 848-1860 x2	www.avontus.com	Ali Hajighafouri Global Business Development Manager
Cervis, Inc.	170 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Norman Burch Business Development Manager
CIE-Tech Inc.	5990 Auteuil Avenue Brossard, QC J4Z 1N2	Canada	(450) 923-1458	www.loadxpert.com	Cedric Guerrier Sales & Marketing
Computer Ease	6460 Harrison Ave, Ste 200 Cincinnati, OH 45247	USA	(800) 544-2530	www.construction-software.com	Amy Fox Vice President
Critigen	6161 S. Syracuse Way Greenwood Village, CO 80111	USA	(303)7060990	www.critigen.com	Ken Hill Sales
Distributor Computer Systems	623 Fellowship Road Mt Laurel, NJ 08054	USA	(856) 813-1750	www.dcs-success.com	Brian Campbell Director of Marketing
Fleet Cost & Care	865 S Fort Street Detroit, MI 48217	USA	(800) 281-9445	www.fleetcostcare.com	Jack Curran Director of Sales
Fleet Management Solutions Inc.	3426 Empresa Dr, Ste 100 San Luis Obispo, CA 93401	USA	(805) 787-0508	www.fmsgps.com	Mike Jarvinen VP Marketing
Genisys Software Inc.	8601 73rd Ave N - Suite 21 Brooklyn Park, MN 55428	USA	(763) 391-6133	www.genisys.com	Ray Bonestroo President
Haag Engineering Co.	625 Industrial Blvd. Sugar Land, TX 77478-2819	USA	(281) 313-9700	www.haagengineering.com	Dustin Childress Assistant Vice President
Hook Cam / Pacific Solutions	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	Emily B. Hayne Marketing Manager
InfoChip Systems Inc.	111 Northwood Circle Wetaskiwin, AB T9A 3L4	Canada	(877) 747-2448	www.infochip.com	Chris Gelowitz President
LiftPlanner Software	105 Geneva Blvd Burnsville, MN 55306	USA	(952) 435-6126	www.liftplanner.com	Jim Meehan Owner
McLeod Software	2550 Acton Road Birmingham, AL 35243	USA	(877)362-5363	www.McLeodSoftware.com	Rick Halbrooks Vice President of Sales
N4 Systems Inc.	111 Queen Street East, Suite 240, Toronto, ON M5C 1S6	Canada	(647) 477-6975	www.n4systems.com	Somen Mondal Vice President of Sales & Marketing
Netarus LLC	4855 Brookside Ct. Unit B Norfolk, VA 23502	USA	(757) 819-4600	www.hoistcam.com	Chris Machut Chief Technology Officer
Orion Software	6000 Cote-des-Neiges, Suite 240, Montreal, Quebec H3S 1Z8	Canada	(514) 484-9661	www.orion-soft.com	Andre Gilbert President
PeopleNet	4400 Baker Road Minnetonka, MN 55343	USA	(888) 346-3486	www.peoplenetonline.com	Brian McLaughlin President

Point of Rental Systems	1901 N State Hwy 360, Ste 340, Grand Prairie, TX 75050	USA	(972) 602-9819	www.point-of-rental.com	Greg Bennett Vice President of Sales
ProMiles Software	P O Box 398 Bridge City, TX 77611	USA	(409) 697-2587	www.promiles.com	Tony Stroncheck President, Sales & Marketing
Qualcomm Inc	5775 Morehouse Dr. San Diego, CA 92121	USA	(858) 587-1121	www.qualcomm.com	Emily Kilpatrick Director of Public Relations
Rental Result Group	Unit B4, Lowfields Close Elland West, Yorkshire HX5 9DX	UK	+1 (480) 777 7130	www.rentalresult.com	Julie Masters Marketing Manager
RMI Corporation	40 Darling Drive Avon, CT 06001	USA	(860) 677-1005	www.rmiusa.com	Lauren Dorman VP of Product Development
Senarc Systems, LLC - Visual Dispatch Sky Guard	979 Doral Dr., Suite 1419 Bartlett, IL 60103	USA	(877) 736-2722	www.senarc.com	Chris Kinser President
	2506 Lakeland Dr, Ste 403 Flowood, MS 39232	USA	(516) 492-0603	http://www.skyguard.com	Anthony Del Guercio National Sales
SmartEquip Inc.	83 East Ave Ste 101 Norwalk, CT 06851	USA	(203) 604-1311	www.smartequip.com	Phil Silver Vice President, Sales & Marketing
Solutions By Computer	191 Chestnut Street Springfield, MA 01103	USA	(413) 737-0499	www.solutionsbycomputer.com	Jack Shea Founder
EvokedSet Limited	Davidson House, Forbury Square, Reading, Berkshire RG1 3EU	UK	+44 (0) 844 870 8025	www.evokedset.com	Nicky Denovan (Davis) Director
Tekla	1075 Big Shanty Rd NW, Suite 175, Kennesaw, GA 30144	USA	(770) 426-5105	www.tekla.com	Mary Chiaffredo Marketing Manager
Telogis	20 Enterprise, Ste 100 Aliso Viejo, CA 92656	USA	(949) 389 5500	www.telogis.com	Tina Shilling Marketing Director
Texada Software	7B-291 Woodlawn Rd W Guelph, ON N1H 7L6	Canada	(519) 836-7073	www.texadasoftware.com	Brian Spilak CEO
The JobClock	27001 Agoura Rd, Suite 280, Calabasas, CA 91301	USA	(888) 788-8463	www.exakttime.com	John O'hara President
The Karma Group	118 S. Adams St. Green Bay, WI 54313	USA	(920) 432-6685	www.attainkarma.com	Ellen Beardsley-Wildeman Media Director
Timmons Group	117 S. 14th Street, Suite 303, Richmond, VA 23219	USA	(804) 521-1065	www.timmonsgis.com	Lowell Ballard Principal, Director of Geospatial Solutions
WennSoft	5355 S. Moorland Street New Berlin, WI 53151-1187	USA	(262) 821-4100	www.wennsoft.com	Kim Behrens, Industry Customer Acquisition Marketing Manager
Visual Dispatch	979 Doral Dr. Suite 2018 Bartlett, IL 60103	USA	(800) 929-1441	www.visualdispatch.com	Ryan Kuhn COO
Wet Collect	1001 Boulders Parkway, Suite 300, Richmond, VA 2322	USA	(804) 200-6438	www.wetcollect.com	Chris Dodson President
Wright Plan	30 Dupont St East, Ste L3 Waterloo, ON N2J 2G9	Canada	(519) 489-2320	www.wrightplan.com	Michael Cox President
Wynne Systems Inc.	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
ALE	1650 Highway 6, Suite 140 Sugar Land, TX 77478	USA	(713) 946-3125	www.ale-heavylift.com	Russel Quebedeaux US Key Accounts Manager
American Heavy Moving & Rigging	11532 East End Avenue Chino, CA 91710	USA	(909) 590-5662	www.americanheavymoving.com	Kirk Martin Vice President
Bardex Corporation	6300 Lindmar Drive Goleta, CA 93117	USA	(805) 964-7747	www.bardex.com	Max Whitley Sales
Bigge Crane & Rigging	10700 Bigge Avenue San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Weston Settlemier President
Buckingham Structural Moving Equipment	10 Birch Lane Bernville, PA 19506	USA	(610) 488-8969	www.buckinghamequipment.com	Kendall Siegrist Marketing Director
Columbus McKinnon Corp.	205 Crosspoint Pkwy Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trost Director of Sales-Rigging
Enerpac	N86 W12500 Westbrook Crossing, Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Global Business Development Leader
Engineered Rigging	300 Industrial Blvd Russellville, AR 72802	USA	(219) 712-4579	www.engineeredrigging.com	Christopher Cox President
Engineered Heavy Services	4116-34th Avenue NE, # B, Everett, WA 98205	USA	(425) 259-0213	www.genps.net	Greg Nordholm Owner
EzRig Crane	1500 Palma Dr. 2nd Floor, Ventura, CA 93003	USA	(805) 643-4387	www.ezrigcrane.com	Andy Collins
Fagioli Inc.	21310 Highway 6 Manvel, TX 77578	USA	(281) 997-3434	www.fagioli.com	Edoardo Ascione President
Faymonville Distribution	Duarrefstrooss 8, L-9990 Weiswampach	Luxembourg	352 26 90 04 155	www.faymonville.com	Arnold Luxen Sales Manager
GKS Lifting & Moving Solutions	300 East Auburn Avenue Springfield, OH 45505	USA	(937) 324-8867	www.gksweb.com	Andrew Wal Operations Manager
Goldhofer Aktiengesellschaft	Donaustrasse 95 Memmingen, 87700	Germany	49-8331-15-260	www.goldhofer.de	Stefan Kohler Area Sales Manager
Greenfield Products LLC	3111 West 167th Street Hazel Crest, IL 60429	USA	(708) 331-3115	www.greenfieldpi.com	Anzola (Gus) Gustavo Sales
Hilman Rollers	12 Timber Lane Marlboro, NJ 07746	USA	(732) 462-6277	www.hilmanrollers.com	Jeff Hill Director of Marketing
Holland Moving & Rigging Supplies	35545 Hwy 69 Forest City, IA 50436	USA	(641) 585-3630	www.hmrssupplies.com	Norma Hertzler Marketing
Hydra-Slide	216 Bass Bay Road, PO Box 10, Port Severn, ON L0K 1S0	Canada	(519) 578-7541	www.hydra-slide.com	Janine Smith Director of Sales and Marketing
Industrial Magnetics, Inc.	1385 M-75 South Boyer City, MI 49712	USA	(231) 582-3100	www.magnetics.com	Dennis O'Leary President
Industrie Cometto S.P.A.	12011 Borgo S. Dalmazzo Cuneo, Via Cuneo, 20	Italy	+39 0171 263300	www.cometto.com	Giovanni Monti Sales Director
J&R Engineering Co. Inc.	P O Box 447 Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	Kevin Johnston President
Kitchen's Crane & Equipment	7913 Dunnotar Ct. Chesterfield, VA 23838	USA	(804) 814-4844	www.kitchensequipment.com	Eddy Kitchen Director
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	Bill Lampson President & CEO
Lift Systems, Inc.	P O Box 906 Moline, IL 61266	USA	(309) 764-9842	www.lift-systems.com	Brian Wagner VP Sales and Marketing
Logistic Dynamics, Inc.	155 Pineview Drive Amherst, NY 14228	USA	(541) 306-6732	www.ldispecialized.com	JB Baker General Manager
MAGNA Lifting Products, Inc.	P O Box 2290 Blaine, WA 28931	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
Mammoet USA	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	
Mid-Atlantic Lift	309 Roxbury Industrial Court Charles City, VA 23030	USA	(804) 387-9373	www.midatlanticlift.com	Travis Hall Manager
Mi-Jack Products	3111 W 167th Street Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager Director
Modulift UK Ltd	11 New Fields Business Park Stinsford Rd, Poole BH17 0NF	U.K.	(0) 1202 621511	www.modulift.com	Malcolm Peacock Business Development Manager
Power Pusher	546-2895 Derry Road East Mississauga, ON L4T 1A6	Canada	(905) 764-6942	www.pushorpull.com	Slim Baksh VP Sales and Marketing
Riggers Manufacturing Company	PO Box 506 Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President

Rigging Gear Sales, Inc.	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Benjamin Forster General Manager
Sarens USA	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America
Shuttlelift	49 E. Yew Street Sturgeon Bay, WI 54235	USA	(920) 743-1522	www.shuttlelift.com	Kurt Minten Sales Director
TransWorld Manufacturing	6101 Dean Martin Drive	USA	(702) 798-8920	www.transworldmanufacturing.com	Crystal Dieleman, President
Water Weights	5139 Brook St, Ste E Montclair, CA 91763	USA	(909) 626-8316	www.imesinc.com	Jim Jota Manager

TRAINING CERTIFICATION & INSPECTION SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
ACRA Enterprises	5950 Red Arrow Hwy Stevensville, MI 49127	USA	(269) 429-6240	www.acratech.com	Jerry Klinke Owner
All Crane Training USA Inc.	9131 San Leandro Street #110, Oakland, CA 94603	USA	(510) 638-6243	http://actuinc.com	Stephanie Carmignani Owner
All Test & Inspection	9998 Goodhue St N E Blaine, MN 55449	USA	(763) 780-2312	www.alltest.com	Scott Winters Vice President
AmCrane	2544 Stoneview Road Orlando, FL 32806	USA	(407) 709-3268	www.amcranes.com	Burt Thorpe Training Manager
America Crane Training Services Inc.	1430 McGregor Road DeLand, FL 32724	USA	(386) 943-9726	www.americacranetraining.com	Bonna Hastings President
American Crane Training & Consulting	PO Box 2582 Orcutt, CA 93457	USA	(805) 314-4121	www.americancranetraining.com	Greg Peters Owner/Trainer
American International Crane Bureau – AICB	12514 Woody Road Pearland, Texas 77581	USA	(281) 871-1863	www.cranebureau.com	Justin Meade Ops & Dev Manager
American Test Center	2773 Prairie Drive River Falls, WI 54022-0408	USA	(800) 451-9087	www.atctest.com	Dennis Ireland President
Apprenticeship & Skill Improvement Program	19800 W South Arsenal Rd Wilmington, IL 60481	USA	(815) 722-3201	www.asiplocal150.org	James M. Sweeney Chairman
Arxcis Inc.	PO Box 689 Kingston, WA 98346	USA	(360) 297-3693	www.arxcis.com	Myron Lee Co Founder
Associated Training Services	7190 Elder Lane Sun Prairie, WI 53590	USA	(608) 354-0765	www.operator-school.com	John Klabacka President
Atlantic Crane Inspections Service	P O Box 747 Bensalem, PA 19020	USA	(215) 639-2579	www.atlanticcrane.com	Bill Hottenstein President
Barth Crane Inspections LLC	P O Box 1493 Goose Creek, SC 29445	USA	(843) 871-8877	www.craneoperator.com	Tom Barth Owner
BC Association for Crane Safety	P O Box 48883 Bentall 595 Burrard Street Vancouver, BC V7X 1A8	Canada	(604) 336-4699	www.bcacs.ca	Fraser Cocks Executive Director
California Crane School	16325 State Hwy 49 Grass Valley, CA 95949	USA	(888) 967-7277	www.californiacraneschool.com	John Nypl President
Cairo Marine Service, Inc	P.O. Box 620 Jackson, MO 63755	USA	(573) 243-6772	www.cairomarineservice.com	Bruce Marrs President
CH C&R Consultants	277 Brazos Way Caldwell, TX 77836	USA	(979) 272-0478	www.chcrane.com	Derek Henson Owner
Columbus McKinnon Training	140 John James Audubon Amherst, NY 14228	USA	(716) 689-5400	www.cmworks.com/training	
Construction Safety Experts	P.O. Box 91385 Raleigh, NC 29675-2935	USA	(866) 463-0669	www.safety-xperts.com	Terry Young Owner
Crane Certification Services	8076 Richard Road Broadview Heights, OH	USA	(216) 789-6562	www.cranecert.com	George Wancata Owner
Crane Exam, LLC	221 S. 35th Street Phoenix, AZ 85009	USA	(602) 541-0364	www.craneexam.com	Ronnie Gray Senior Technical Trainer
Crane Industry Services, LLC	PO Box 1300 Villa Rica, GA 30180	USA	(770) 783-9292	www.centeredonsafety.com	Debbie Dickinson CEO
Crane Inspection & Certification Bureau (CICB)	11112 Boggy Creek Rd Orlando, FL 32824	USA	(800) 327-1386	www.cicb.com	Billy Cook Director of Sales
Crane Inspection Services	P O Box 461, Fairhope, AL 36533	USA	(251) 928-6262	www.craneinspection.com	James Pritchett President
Crane Institute Certification	4011 W. 1st Street Sanford, FL 32771	USA	(844) 546-3362	www.cicert.com	Christine Cromarty Administration
Crane Institute of America	3880 St. John's Parkway Sanford, FL 32771	USA	(800) 832-2726	www.craneinstitute.com	Jennifer Curtiss Training Coordinator

TRAINING CERTIFICATION & INSPECTION SERVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Crane Operators Certification and Inspections Inc.	2114 Industrial Park Road Lincolnton, NC 28092	USA	(704) 735-2707	www.cociinc.com	Stephanie Reynolds Office Manager
Cranes 101	57 B Mendon Street Bellingham, MA 02019	USA	(508) 966-4100	www.cranes101.com	Jay Sturm Owner
Crane Safety Associates of America	730 Oak Grove Road McDonough, GA 30253	USA	(800) 356-2212	www.cranesafetyassociates.com	Shane Adams President
Crane Tech, LLC	1215 Millennium Parkway Brandon, FL 33511	USA	(800) 521-7669	www.cranetech.com	Tony Dotto VP/ Director Services
Crane U	5650 Double Oak Lane Birmingham, AL 35242	USA	(855) 9CRANEU	www.craneu.com	Melanie Laird VP & Marketing Director
Crane Wise Certifications, LLC	312 NE Loop 289 Lubbock, TX 79403	USA	(806) 744-2999	www.cranewisellc.com	Chad Trumble Owner
Cranecoach	13 Hewitt Road Lambertville, NJ 08530	USA	(609) 613-3486	www.cranecoach.com	Carl Symonye Owner
Crawford Custom Consulting	11139 Cutter Road Meadville, PA 16335	USA	(814) 333-9600	www.crawfordcustom.com	Bill Hough Owner
Domson Engineering & Inspection	190 Wilkinson Rd., Unit 2 Brampton, ON L6T 4W3	Canada	(905) 789-1326	www.domson.ca	Dennis Domeichini, President
Equipment Safety Services	18521 E. Queen Creek Rd., #105-614, Queen Creek, AZ 85142	USA	(480) 860-4329	www.maxboom.com	Brian Doonan Owner
Equipment Training Solutions, LLC	P. O. Box 597 Stratford, NJ 8084	USA	(856) 669-8516	www.equipmenttraining solutions.com	
Falck Safety Services	209 Clendenning Road Houma, LA 70363	USA	(866) 404-9564	www.falck.com	Jacob Le Compte Sales Executive
Global Crane & Rigging Certification	5555 North Perkins Ferry Rd. Lake Charles, LA 70611	USA	(877) 882-6006	www.globalcrane.com	Keith Queenan Owner
Global Environment Network	P O Box 8068 Fountain Valley, CA 92728	USA	(714) 479-1199	www.My-DVBE.com	Allison Lugo Training Supervisor
Hite Services Limited	790 Lapointe St Sudbury, ON P3A 5N8	Canada	(705) 524-5333	www.hiteservices.com	Luc Bidal Vice President
IMPACT	1750 New York Avenue NW Washington, DC 20006	USA	(800) 545-4921	www.impact-net.org	Kenny Waugh Director, Industry Liaisons
Industrial Training International, Inc.	9428 Old Pacific Highway Woodland, WA 98674	USA	(800)727-6355	www.iti.com	Mike Parnell CEO
Industrial Training Solutions	742 Magnolia Street, Suite B, Madison, MS 39110	USA	(800) 975-8853	www.industrial-training- solutions.com	Jim Morris Owner
Industry Training Authority	8th Floor – 8100 Granville Avenue, Richmond, B.C. V6Y 3T6	Canada	(866) 660-6011	www.itabc.ca	Gary Herman Interim CEO
Institute for Safety and Health Management	4841 E County One-Fourth St. Yuma, AZ 85365	USA	(877) 201-4053	www.ishm.org	Larry Curtis CEO
International Training & Safety LLC	17892 Scotia Circle Huntington Beach, CA 92647	USA	(714) 585-1280	www.trainmesafe.com	William A. Blum CEO/President
IPT Publishing & Training	P O Box 9590 Edmonton, AB T6E 5X2	Canada	(780) 962-4819	www.iptbooks.com	Bruce Ashton and Ronald Garby
Ives Training & Compliance Group	P O Box 4798 Blaine, WA 98230	USA	(800) 643-1144	www.ivestraining.com	Simon Larkin Assistant Dir. Training
KC Training Technology	2543 Dixie Hwy Lakeside Park, KY 41017	USA	(859) 331-5564	www.kctrainingtechnology.com	Randy King Owner
Lift-It Manufacturing Co, Inc.	1603 West Second Street Pomona, CA 91766	USA	(909) 469-2251	www.lift-it.com	Mike Gelskey Jr. VP & General Manager
Morrow Training Center	3218 Pringle Rd SE Salem, OR 97302	USA	(503)585-5721	www.morrow.com	Christian Chalupny President
National Commission for the Certification of Crane Operators (NCCCO)	2750 Prosperity Avenue, Suite 505, Fairfax, VA 22031	USA	(703) 560-2391	www.nccco.org	Graham Brent Executive Director
National Crane Inspection, LLC	4204 Plainville Road Cincinnati, OH 45245	USA	(513) 271-8608	www.nationalcraneinsp.com	Gary Lavender President
National Crane Services	9423 S Orange Avenue Orlando, FL 32824	USA	(407) 856-9990	www.natlcrane.com	Dennis O'Rourke Owner
Nationwide Crane Training	7655 Aspen Creek Court Washoe Valley, NV 89704	USA	(877) 628-2726	www.nationwidecranetraining.com	Teri Drapeau CEO
NCCER	13614 Progress Boulevard Alachua, FL 32615	USA	(386) 518-6500	www.nccer.org	Allyson Butts Sr. Manager of Program Services

North American Crane Bureau	930 Williston Park Point Lake Mary, FL 32746	USA	(800) 654-5640	www.cranesafe.com	Monica McNeill Marketing Manager
Occupational Safety Training Systems Inc.	14650 Central Avenue Chino, CA 91710	USA	(877) 404-OSTS	www.ostsinc.com	Kari Geosano Marketing Manager
Operating Eng. Training Institute	12580 County Road 2, Box 636, Morrisburg, ON K0C 1X0	Canada	(613) 543-2911	www.oetio.com	Carla St Louis Marketing
Operator Network	9351 Jerome Road Dublin, OH 43017	USA	(614) 558-1793	www.operatornetwork.com	Robert Slingsby Principal
Overton Safety Training, Inc.	P.O. Box 6297 Aloha, OR 97007	USA	(866) 531-0403	www.overtonsafety.com	Ron Overton President/Owner
Pellow Engineering Services	12615 Briar Drive Leawood, KS 66209	USA	(877) 473-5569	www.donpellow.com	Don Pellow President
Professional Service & Repair Inc.. (PSR Inc.)	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales & Marketing
Quad City Testing Laboratory, Inc.	21112 Scott Park Road Davenport, IA 52807-9330	USA	(563) 391-8500	www.testlab1.com	Mason Ritter Crane Inspection Dept. Manager
R Spec Crane Inspectors	21 High Street Plainville, MA 02762	USA	(508) 212-4735	www.cranedecals.com	Rick Staples Owner
Safety Provisions Inc.	343 E. 4th N Ste 245 Rexburg, ID 83440	USA	(360) 930-9247	www.hardhattraining.com	Arthur T. Lee President
Safety Resources Unlimited Inc.	4800 S W 20 th St Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Stephanie Hoffman Marketing
Sensible Safety Inc.	18565 Soledad Canyon Rd, Suite 292 Santa Clarita, CA 91351	USA	(661) 250-3122	www.sensiblesafety.com	David Bianga Instructor
Stephenson Equipment Inc.	7201 Paxton Street Harrisburg, PA 17111	USA	(800) 325-6455	www.stephenson equipment.com	Chris Traino Training Coordinator
Sylvan Enterprises	P O Box 666 Kingston, TN 37763	USA	(865) 717-8582	www.sylvanent.com	Ann Augustine Office Administrator
The Center for Construction Research and Training	8484 Georgia Ave. Silver Spring, MD 20910	USA	(301) 578-8500	www.cpwr.com	Mary Watters Director of Communications
The Crane School	324 W Lake Victoria Circle Deland, FL 32724	USA	(386) 668-8887	www.thecraneschool.com	Bud Wilson Owner
The Safety Zone	PO Box 85, I 39 Industrial Park Centerbrook, CT 6409	USA	(800) 821-5702	www.safety-zone.com	Sandy Seidman Founder/President
Total Crane Services Ltd	14660 1H-10W Orange, TX 77632	USA	(409) 842-1500	www.totalcraneservices.com	Rodney Rhodes Training Manager/Partner
Total Equipment Training	1846 Eagle Farms Road Chester Springs, PA 19425	USA	(610) 321-2679	www.totalequipment training.com	Barbara Fullman President
Tower Crane Inspection Bureau	P O Box 111108 Naples, FL 34108	USA	(239) 961-7401	www.towercraneinspection bureau.com	Tom Dube Owner
Tower Crane School of Phoenix LLC	16609 S 14th Street Phoenix, AZ 85048	USA	(602) 541-0364	www.craneexam.com	Ronnie Gray Senior Technical Trainer
TSC Training Academy	36-06 43rd Avenue Long Island City, NY 11101	USA	(718) 389-2103	www.tsctrainingacademy.com	Tom Ferrante Director
Turner Safety	6759 Sierra Ct. #B Dublin, CA 94568	USA	(510) 742-7460	www.steveturnersafety.com	Steve Turner Owner
West Coast Training Inc.	P O Box 970, Woodland, WA 98674	USA	(360) 225-6787	www.heavyequipmenttraining.com	Jeff Woolever Owner
Working Class Heroes Safety	P O Box 18217 Spokane, WA 99228	USA	(509) 435-6343	www.wchcranesafety.com	Danny Theimens Master Crane Theory Instructor

The Marketplace

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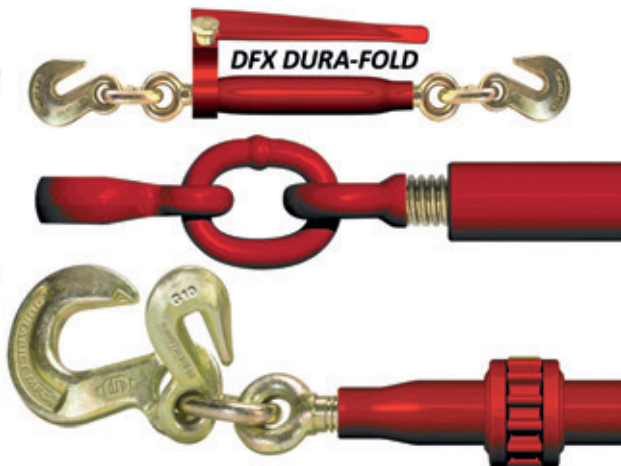
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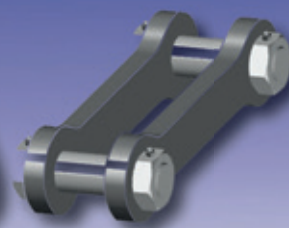
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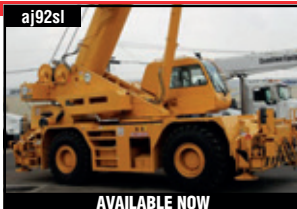
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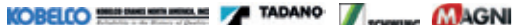
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