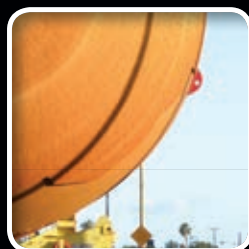
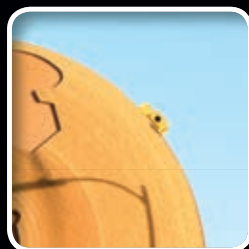
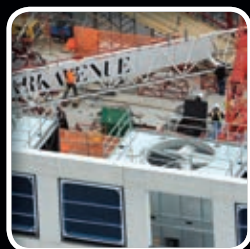
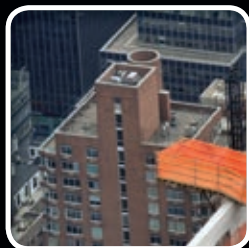


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Better in '17

The 2017 *American Cranes & Transport Sourcebook* is a valuable resource for the crane, rigging and specialized transportation sector. 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. This year we've added a rubber tired gantry section.

The directory portion of this publication is divided into two sections: Trailer & Transport System Manufacturers 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 2017 *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 "go to" publication. 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 your company in our 2018 edition of the *ACT Sourcebook*.

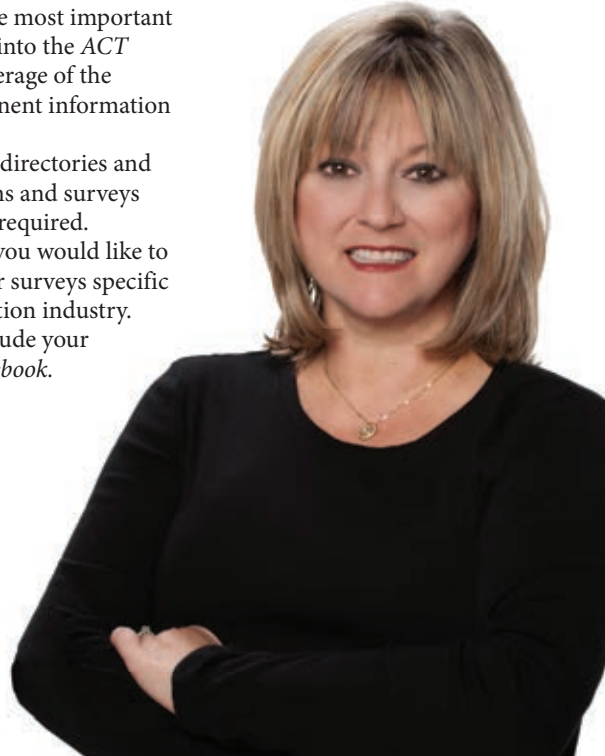
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Publisher's note/disclaimer

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 2016. *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 2017.

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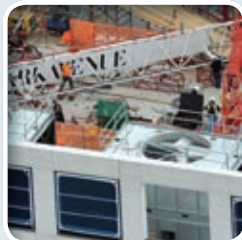
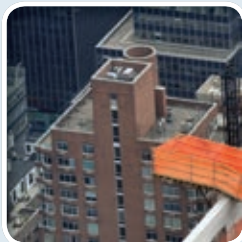
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A career in the crane, lifting and specialized transportation industry is interesting, lucrative and rewarding. **Hannah Sundermeyer** reports.

2017 SCHEDULE

February 14, 2017

Tampa, FL
Hosted by ALL Construction

May 3, 2017

Chicago, IL
Hosted by Lifting Gear Hire

September 14, 2017

Ft. Wayne, IN
Hosted by Buchanan Hauling

November 15, 2017

Baton Rouge, LA
Hosted by Berard Transportation and Deep South Crane



Showcasing 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 look into 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 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 2017 events, see www.liftandmoveUSA.com for details. ■



Students check out a Spyder crane at the first Lift & Move in Chicago.





The November Lift & Move at Bragg Companies in Long Beach, CA was attended by almost 650 high school students.



Pierre Mille, sales director of Mammoet USA South, was one of the keynote speakers at the TNT event in Houston.



KHL Group's Event Director Murray Pollok greets attendees.



Caleb Steinborn, e-learning specialist at Industrial Training International, shows students how to work crane simulator technology.



Students make their way to the Lift & Move USA careers event held at TNT Crane & Rigging's headquarters in Houston, TX.



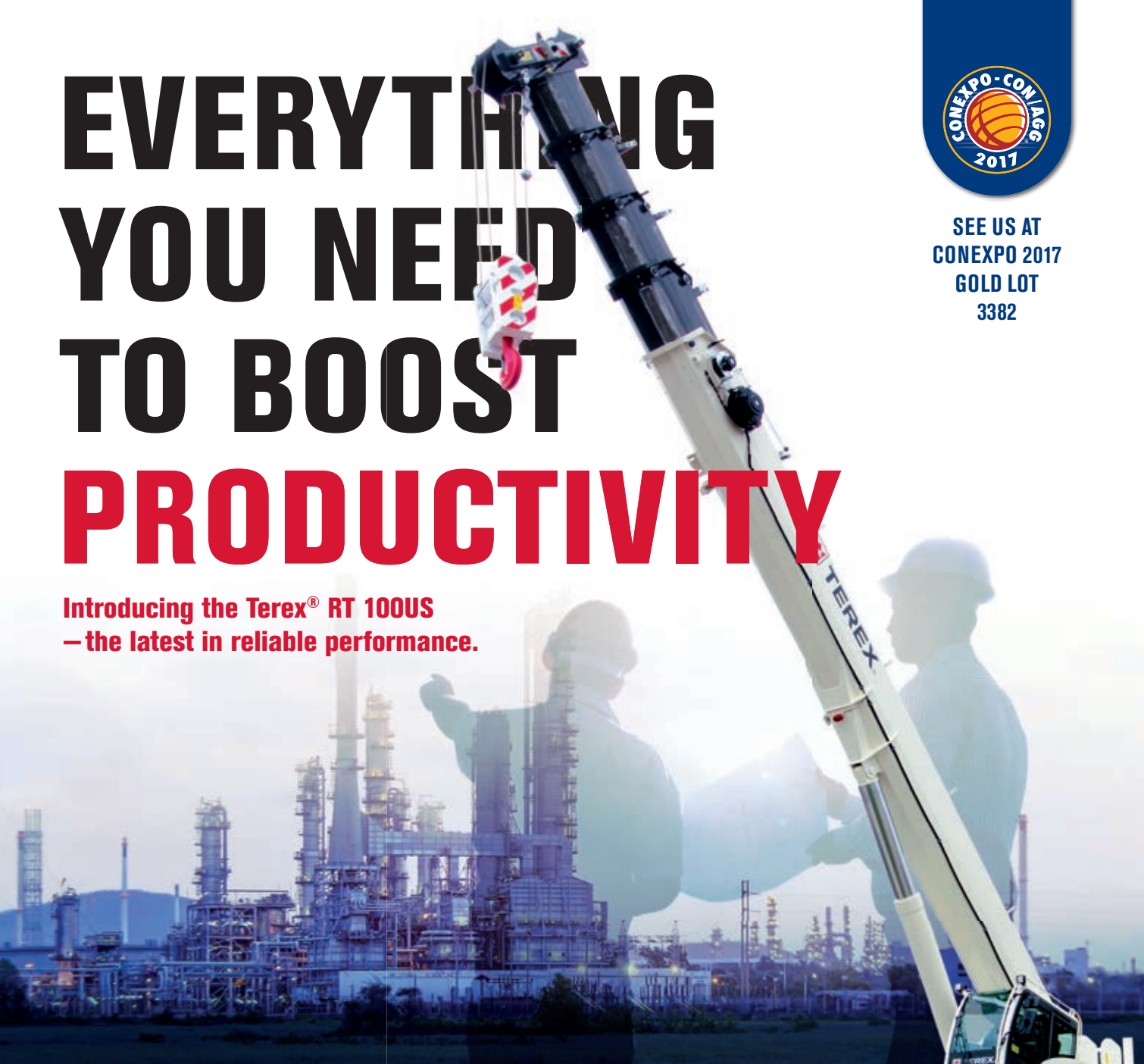
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D. Ann Shiffler and **Terry White** report on the 2016 SC&RA Job of the Year contest.



Barnhart

Meet 'The Joust'



'The Joust' included a 6-line SPMT, pull up gantries, steel slide beam, bolt-on lifting points, center point lifting bar and 40,000 pounds of counterweight.

Barnhart was contracted by a refinery to remove a motor, gear box and a compressor for maintenance and then return seven days later to reinstall them. For this job a new Barnhart traveling and lifting machine, affectionately dubbed "The Joust," was developed, saving the refinery four shifts off of their turnaround schedule, all while performing the work in a less manpower-intensive and safer manner.

The components were located inside a structure full of piping and electrical work; removal by a crane was not possible due to overhead structures and utilities. Additionally the equipment was only accessible from one side of the operating unit. The components were not that heavy or large, the largest piece being the 11,000-pound compressor, roughly 6 feet long, 4 feet wide and 4.5 feet tall. All three components were in line with each other; the gear box sits directly behind motor; the compressor sits behind the gearbox.

The heaviest piece was the compressor that was set back 23 feet inside the structure, making it impossible to lift with a forklift. The equipment was essential to the processing unit and the work to remove the components was on the critical path of the turnaround.

The customer wanted a solution that allowed the equipment to be removed and re-installed in one shift each. Bull rigging the equipment out of the structure would work, but would have added a lot of time to the turnaround schedule. The customer was uncomfortable with safety factors associated with bull rigging as well.

"Access was tight," said Chris Howe, Barnhart branch manager. "Obstructions



were everywhere. To make this job even tighter we needed to lift the compressor up over a foot in order to clear the motor pedestal. We were working with less than a few inches of excess head room."

Brainstorming a solution

During one of their "back to the drawing board" brainstorming sessions a team member said, "It would sure be neat if we could just put the gantries on an SPMT"

After a good initial chuckle, Howe said they all asked, "Why couldn't we make that work?"

Using a 6-line SPMT would offer the needed mobility; it would allow assembly of the system in the staging yard; it could be driven into place; it would allow the road to remain open during the turnaround, an important customer request.

"This solution required significant amount of engineering to ensure we were providing a safe solution," said Howe. "This engineering included all stability calculations to ensure that the center of gravity (CG) of the cantilever beam was always safely in between the two gantries. We also had to size and locate the counterweight on the cantilever beam so that the CG of the composite lifting

system was always within the stability triangle in both the unloaded and loaded configuration."

On top of the gantries Barnhart used a modular structural box beam with a 40,000-pound counterweight hanging from it; on the beam were bolt-on lugs, two at the end to support the rigging to lift the components and two between the gantries to hold the counterweight.

Due to the lifting points on the compressor and the minimal headroom, a custom center point lifting beam was designed. A custom spreader bar was bolted directly to the cantilevering beam, which was designed and load tested to the ASME and OSHA standards. Function tests were also performed to assure that "The Joust" worked as planned.

Written in the operational procedure was a requirement to lock the SPMT in place when running the gantries. Communication between the operator, riggers and lift director were accomplished by using radios.

Everything went perfectly as planned. All three components were removed in one shift and reinstallation was done in one shift as well. There were no incidents and the Barnhart Safety policies, and those of the refinery, were strictly followed. ■

Dizzying heights

4 32 Park Avenue Tower in Manhattan is a gorgeous addition to the New York City skyline. Completed in the summer of 2015, the building topped out at 1,428 feet, making it the tallest residential building in the Western Hemisphere. The building sits on the previous site of the old Drake Hotel, one of Manhattan's most preferred accommodations for such celebrities as Frank Sinatra, Muhammad Ali, Judy Garland, Led Zeppelin and The Who.

Demolished in 2007, the Drake's footprint is one of New York's most valuable development sites due to its prestigious location. One of the key players in the successful construction

of the building was a Manitowoc Potain MR415 electric tower crane (See *ACT* January 2015 cover story).

After the building's final height was achieved it was time for the Potain MR415 to come down off the top of the building. And that job was easier said than done. (See *ACT* August 2015 Site Report.)

Able Rigging Contractors was tasked to provide, erect and dismantle a Timberland ASD 35 stiff leg derrick with 50,000 pounds of line pull to retrieve the Potain off the roof. While it appeared the Potain

The Timberland derrick disassembled the Potain MR415 tower crane in five days.



was freestanding, the bottom of the MR415 started at the 75th floor at an elevation of 1,285 feet. The top of the crane stood at an elevation of more than 1,500 feet.

The last task of the Potain was to lift the components of the Timberland to the roof and then assemble it. The derrick would then return the favor and dismantle the Potain MR415 as well as install a window washing rig and a chiller system.

Year-long planning

Logistics and planning started a year prior. To get the 70,000-pound capacity derrick on top of the skyscraper, Able chose a Timberland GP500 hoist pack with a 50,000-pound single part line pull and a 32 millimeter Python no-spin cable to be the primary hoisting package. Once the derrick was up and assembled it was load-tested and the work began.

The Timberland ASD 35/120 stiff leg derrick featured a Markload LMI system that provided Able with such analytics as boom angle indicator, radius indicator, load weight, three load charts and load zones, wind speed and aviation lights.

"The Potain boom was removed, placed on the roof and disassembled into four pieces," said Robert LaChapelle, vice president and master rigger for Able. "It was then lowered vertically to the street to allow for adequate building clearance."

The upper works of the Potain followed

suit. Next the tower sections were lifted out of the internal climbing collars and dunnage from the building interior in pairs, 14 total, and lowered to the street. The GP500 hoist pack allowed for six-to-eight lifts to the street, traveling at 85-feet-per-minute in high speed which resulted in a 14,000-pound line-pull and approximately 50-feet-per-minute in low speed.

Once the Potain was down, Able spent three days installing a window washing rig. The first day was consumed with hoisting the 35,000-pound washer base and the 28,000-pound boom. The next two days involved hosting the accompanying counterweights and baskets.

The final phase was hoisting a 1,000-ton Trane Centrifugal chiller and installing it on a slab on the 82nd floor. Able's team spent five days demobilizing the derrick and taking it down the building's elevator.

Most of the lifts were made at a 70-foot radius, leaving 25-feet of clearance to the face of the building. Two 1,500-foot taglines were used for pieces with larger surface areas. When Able was performing empty lifts to the roof they used 4,000 pounds of overhaul weight in combination with a 35-ton, 850-pound ball.

About five days were lost due to high wind or rain. Clouds and fog were a constant problem. The job was performed safely with no accidents from April 15 to May 11, 2015.



Barnhart

Tighter than tight

Barnhart was contracted to install a 400,000-pound package boiler into a paper mill facility in Green Bay, WI. The catch was that the package boiler needed to be threaded into an elevated wall opening located in a 19-foot wide alley and set onto a foundation. At every turn there were clearance challenges that made the project an engineering enigma.

Known as a D-type package boiler weighing 400,000 pounds, the boiler measured 20 feet wide by 40 feet long and it was almost 28 feet tall. But the real peculiarity of this type of boiler is its offset center of gravity (CG).

“We were aware that many of the engineering challenges we would face would be due to the fact that the CG was so far off center,” said Nathan Farmer, project manager. “We were tasked with providing a solution that did not involve removing roof steel or using a heavy lift crane. On the initial walk down it seemed impossible that the boiler could even fit.”

There was a window of 15 feet 11 inches between existing 48-inch pipe and a concrete building at grade level. The boiler itself was 20 feet 4 inches wide.

“We knew that once we transported the



boiler we needed to come up with a way to elevate it and travel it down the alleyway,” said Farmer. “After traveling the boiler, the next challenge would be to rotate it and insert it through an opening in the wall. Once inside the building, the boiler would need to be rotated a second time before ultimately being jacked down to its final set location.”

Roll on, roll off

The final scope of work was to roll the boiler onto a barge two miles down the Fox River and roll it off at the mill; transport it to the alleyway outside of the installation location; lift the boiler to the opening on the side of the building; rotate and slide the transformer into the building; rotate the boiler again and slide

it into its location; jack and set the boiler onto its supports.

By the time Barnhart’s crews arrived at the roll on site, employees had been trained in Koch Industries’ site-specific Market Based Management Safety Program and passed Barnhart’s safety programs.

Barnhart’s solution for leveling the boiler was to fabricate a custom bracket that would pin the boiler’s jacking haunches, allowing crews to exert enough force with a chain hoist to level the boiler during the transload.

The boiler then needed to be tracked 130 feet, elevated down the 20-foot wide alley on the Barnhart turntable and lifted by the 450-ton gantries to the elevated wall opening.

Once at the elevated wall opening, the boiler was rotated with the BCR turntable and slid into the building. The clearance on all sides of the boiler while making the rotation into the building on the 450-ton gantries was no more than a few inches.

One question that Barnhart asked early on was how they were going to get their equipment out from underneath the load. Due to the offset CG it was possible to support the boiler from three locations, which aided in providing room to remove Barnhart’s equipment. Once the boiler was lined up above the sole plates of the supports it was ensured that it was fully supported. Crews began removing the slide beams. Toe jacks, 3-foot tall pallet jacks and machinery moving skates were used to individually disconnect each beam and wheel them out of the way. The 22,000-pound turntable was then jacked down to the ground and an electric Johnson bar was used to push it to an open area.

Numerous innovations were made as a result of the problem solving during the job. One was the leveling system ensuring maneuvering in the tight window of the alleyway. Other innovations were the ability to have three-axes of movement as well as rotation by installing two perpendicular slide systems and the turntable. Sliding on three slide beams counteracted some of the problems posed by the offset CG when spanning into the building.



Barnhart reached into its toolbox and pieced together a gantry and a rotating and slide system that mitigated risks and operated all equipment within the manufacturer’s specifications.

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Rescuing 'Big Bertha'

Big Bertha, a giant tunnel boring machine, was built for the Washington State DOT Alaskan Way Viaduct replacement tunnel project in Seattle. Japan-based Hitachi Zosen Works dispatched Bertha to Seattle in early 2013 and she started boring the tunnel on July 30, 2013. Bertha was supposed to finish the tunnel by December 2015.

But in early December 2013, about 1,083 feet into the planned 9,270-foot-long tunnel, Big Bertha stopped boring. Damage to the seal ring and bearing block was discovered.

Mammoet was one of several contractors approached by Hitachi Zosen to offer a solution to lift the damaged front end to the surface for repairs.

Mammoet proposed to design and build a 2,000-ton specialized gantry tower system that could lift, slide and tilt. Due to foundation issues, the forces underneath the towers had to be equalized to prevent torque on the foundation beam supporting the gantry tower system.

Global parts procurement

The Mammoet gantry tower system was built mostly out of standard parts, such as strand jack systems, skid systems, modular towers and heavy lift beams, which were gathered from Mammoet's global inventory. Some parts were fabricated or modified by Mammoet.

"We came up with quite an innovative solution which was mainly based on existing parts we had immediately available within our company, decreasing additional fabrication and minimizing response time," said Jeroen van Kooperen, project manager for Mammoet USA.

Mammoet's scope of work included recovery design, structural engineering, fabrication and final execution, lifting the cutter head for repair and lowering it back in to the shaft once repairs were complete. Engineering started in July 2014 and the cutter head was lifted out of the shaft on March 30, 2015. Big Bertha was lowered back into the shaft and reassembled in August of 2015.

Located between the Alaskan Way



To get the 4.4 million pound cutter head to the surface, a 120-foot deep recovery shaft was created for Mammoet's gantry tower system to lift Big Bertha out for repair. In total Bertha measures 325 feet long, has a diameter of 57.5 feet and weighs approximately 7,000 tons. She was named after Bertha Night Landes, mayor of Seattle between 1926-28.

Viaduct and Elliot Bay, the small, three-acre jobsite had only one access road on which thousands of tons of equipment needed to be brought in and eventually out. The jobsite had to fit a 350-foot long crane path, a Liebherr LR-1300 crawler crane, a Terex CC-2800 crawler crane with a 500-ton super-lift and the specialized gantry system, which was built from 2,200 tons of components.

"All together we had to ship more than 300 truckloads of equipment to the jobsite," said van Kooperen.

To streamline traffic, equipment was staged at outlying truck stops. Equipment was sent in the order of assembly so the laydown area stayed clear.

Other challenges included working with the local unions and providing safety training to ensure everyone understood the project execution plan.

Engineering ingenuity

A new, innovative technique engineered by Mammoet was the hydraulic compensation system used on the gantry

system to equalize the loads in the double skid track on a foundation that was not designed to take heavy loads. Mammoet's existing strand jack units were mounted on skid tracks, enabling crews to adjust the four-point rigging arrangement during the lift. This allowed them to adjust the spacing between the lifting wires and rotate the 2,000-ton cutter head.

The total duration for the 2,000-ton single hoist recovery lift of the cutter head to the installation on top of the repair saddles was 16 hours. Once installed on these supports, the cutter head was taken apart for repair.

For three months, two Mammoet crawler cranes and SPMTs were used to assist with the repair work. When Big Bertha's repairs were complete the lifting operation was reversed. The cutter head was lowered back in the shaft and reconnected with the rest of the tunnel boring machine. Safety was never compromised and there wasn't a single incident during the entire project.

Emmert International

Quite the girth

Hauling a 115,613-pound FTO vessel with a length of 34 feet 6 inches from Moss Point, MS to Mont Belvieu, TX normally would seem like a pretty mundane task for Emmert International. But the girth of 28 feet aroused the company's interest.

A further complication for Emmert was that the load would be accompanied by the FTO's detached stack section. It had a 90-degree elbow and was 34 feet 9 inches long, 15 feet 4 inches wide and 9 feet 5 inches high and weighed 34,000 pounds with an off-set center of gravity.

Emmert's preliminary route survey during the bidding process revealed that transport by land would be cost-prohibitive because of overhead obstructions. Emmert determined a route involving both water and land travel would save time and money. However, the over-the-road portion to the plant would remain extremely demanding regardless of planning.

All Emmert personnel entering the facility had to complete the plant's safety course, alarm drills in the event of an emergency, fire blanket procedure, respirator protection plan, emergency evacuation routes and procedures, and have fire retardant clothing and personal protective equipment.

Emmert mobilized the crew and equipment to the fabricator in Moss Point with a 6-line PSTe for the roll-on/roll-off portion, flat deck trailer, and two Kenworth prime mover trucks.

Independently, the PSTe and flat deck trailer were moved inside the building and loaded by an overhead crane. The 90-degree elbow portion extended over the edge of the trailer and had an 11-foot off-set center of gravity.

Next, Emmert picked up the FTO Vessel and lowered it onto the custom saddle configuration on the PSTe transporter. This enhanced stability during transport and expedited roll-on/roll-off transitions. The crew then performed a roll-on with the trailers using jack stands secured to the barge for open seas specifications. After Emmert personnel painstakingly loaded, secured and inspected both pieces, the barge traveled through the Gulf of Mexico to the inland waterways and bays of the Houston, TX area before arriving at the dock in Baytown, TX.

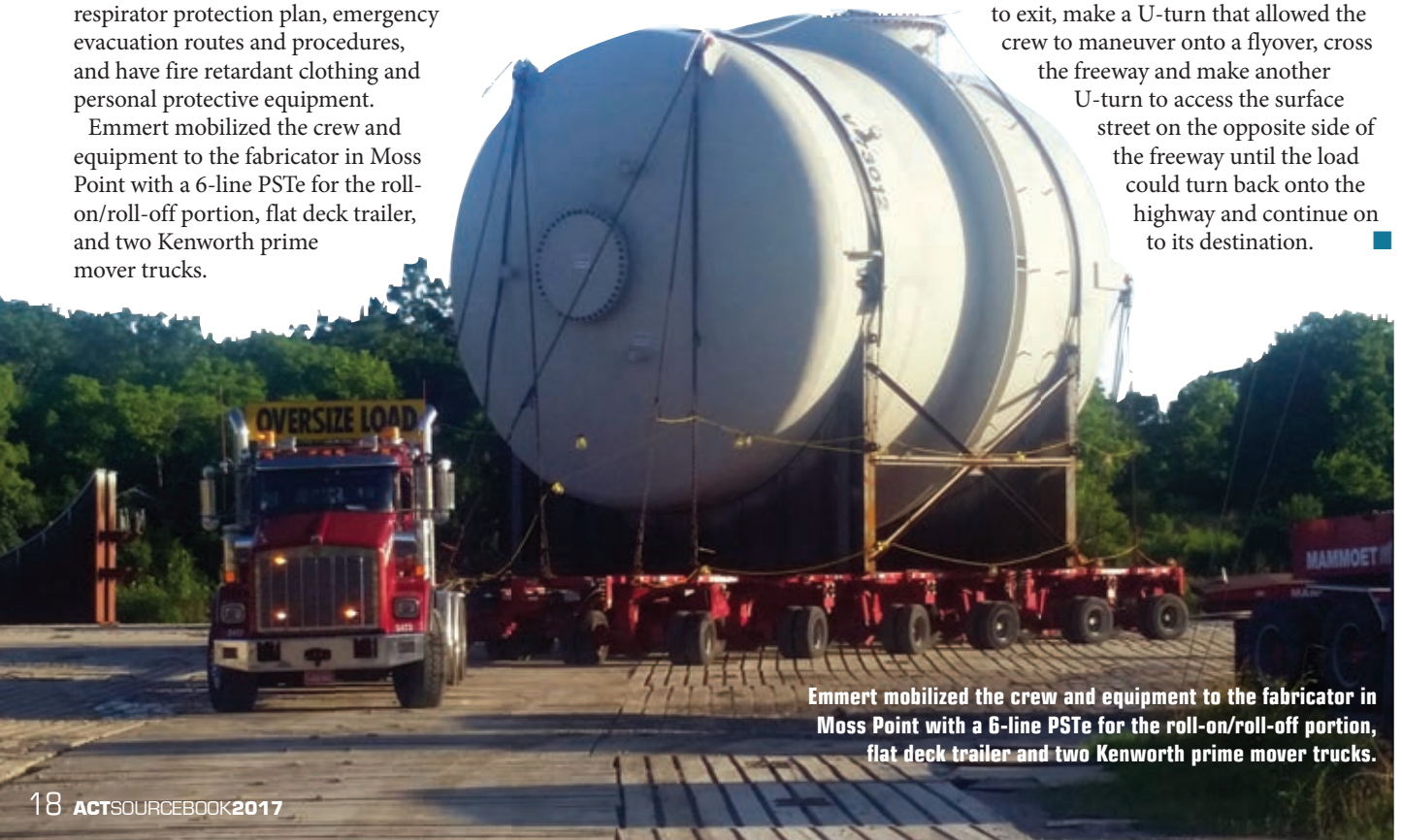
Emmert then set up barge ramps and removed the pieces from the barge with the PSTe in a roll-off operation. Next, the transporter moved to a staging area and self-unloaded to jack stands. Emmert then brought in its 6-Line THP/CA and self-loaded the FTO vessel from the jack stands to the trailer.

Obstacles galore

Complicating the 20-mile, night-time route were narrow roads and uneven and sloping ground conditions. Many overhead power and utility lines were raised or removed, and the load had to be maneuvered around low overpasses and toll booths. Emmert coordinated six bucket trucks to handle traffic lights, three bucket trucks for miscellaneous tasks, six bucket trucks from the power company and six bucket trucks for cable TV and phone lines. Ten police escorts assisted with traffic control and passenger vehicle safety. High pole vehicle, escorts and Emmert crews rounded out the convoy.

At several points along the route, the load had to move over rail crossings. With railroad approval and officials present, Emmert successfully undertook this task without having to remove overhead lights and arms, saving the customer time and money. In several cases, the load traveled opposite of normal traffic flow. At one point, the load exited the highway and traveled in the opposite direction of the plant for nearly two miles on a freeway service road. That enabled the transport to exit, make a U-turn that allowed the crew to maneuver onto a flyover, cross the freeway and make another

U-turn to access the surface street on the opposite side of the freeway until the load could turn back onto the highway and continue on to its destination. ■ >21



Emmert mobilized the crew and equipment to the fabricator in Moss Point with a 6-line PSTe for the roll-on/roll-off portion, flat deck trailer and two Kenworth prime mover trucks.

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Intermountain Rigging & Heavy Haul King of the road

Intermountain Rigging & Heavy Haul (IRH) made its Trail King 500-ton trailer the true king of the road when the company used it to deliver two large transformers from a rail siding in Thoreau, NM, through Arizona and to a substation in Monticello, UT. One transformer weighed 762,800 pounds and measured 44 feet 7 inches long by 12 feet 11 inches wide by 12 feet 8 inches high. The other transformer weighed 725,320 pounds and measured 35 feet 5 inches long by 12 feet 10 inches wide by 16 feet 1 inches high.

The project also included moving a throat section that weighed 95,900 pounds and measured 17 feet 4 inches long by 12 feet 8 inches wide by 11 feet 9 inches high, as well as 33 accessory parts, from Houston, TX to Monticello.

Originally, the job called for moving the components from a rail siding near Moab, UT to a substation in Monticello, a distance of about 30 miles. Despite the immensity of the transformers, the scope of the project seemed fairly routine to IRH because of the short hauling distance and proximity to IRH offices in Salt Lake City, UT.

The customer then informed IRH that the 16-axle rail car required for the rail transport of these units could not gain clearance into the Moab rail siding because of some tunnels with curves and overstressed bridges in route.

Several alternate routes contemplated by IRH failed to pan out for various logistical reasons. For example, one that started from a rail siding in Sanders, AZ would have required a bridge repair with an estimated cost of \$250,000.

When Thoreau, NM was suggested as an option, the IRH response was, "We will give it a try."



The gross weight of the heaviest load tipped the scales at 1.8 million pounds. At some locations, as many as nine trucks were attached to the load.

IRH's project team and engineers began looking at ways to add axles to the load without boosting the height by enough to create new challenges. The solution was the creation of a frame, to which six hydraulic dollies were appended. This would allow the transformers to remain close to the ground.

Jumping through hoops

New Mexico permit authorities approved the new axle weights with the dollies. However, IRH still needed to evaluate the bridges on the route.

With the approval of the configuration by New Mexico in hand, the customer officially awarded the job to IRH. In addition to reconfiguring the trailer, IRH needed to prepare additional prime movers for scaling and descending 8 percent grades and to gain permits for

the entire route – and do it all in three months. The route finally approved passed through the Bureau of Indian Affairs territory at two different locations and across a long bridge spanning the San Juan River. Despite encountering wintry conditions of mud, snow, wind and very cold temperatures, the project lost only two days to weather.

The gross weight of the heaviest load tipped the scales at 1.8 million pounds. At some locations, as many as nine trucks were attached to the load. The project necessitated intermittent plating of roads and significant road work to gain access to the rail siding and the permit substation.

"Watching these 1.8 million pound loads move down the highway was like watching a symphony," said IRH President Ron Montgomery. "With Mark Lavery directing and making the decisions, and the drivers and crew all performing their tasks with perfection, the project was completed on schedule and with no accidents, injuries, or damage to cargo, equipment or the highway."

Once the transformers were onsite, IRH transferred them to 16 lines of self-propelled modular transporters supplied by Barnhart, moved them to the substation and positioned them onto the foundation with hydraulic slides.

The project required 9,240 total man-hours, including 8,660 for execution, 100 for engineering, 280 for permitting and 300 for prep.



Berard

Cold box challenge

Imagine a parking lot filled with 520 Ford F-150 trucks, each weighing 5,000 pounds. That equals the 1,300-ton weight of the cold box moved approximately 195 miles in Louisiana by Berard Transportation.

Moreover, the cold box stretched 103 feet long by 48 feet wide. Consider that an NBA basketball court takes up 249 fewer square feet than the footprint of the cargo conveyed by Berard. Furthermore, the cold box towered 122 feet, taller than four two-story homes stacked on top of each other. Even for a company that confidently characterizes itself as “The Mega Transport Experts,” those are intimidating dimensions.

From their home bases in New Iberia, LA, Berard engineers and the fabricator carefully considered the most cost effective method to move the cold box onto the ship. Due to draft restrictions at the fabrication port, the cargo needed to be loaded onto a shallow draft barge, transferred to a deep-water port and then again transferred to an ocean-going ship.

The Berard team selected Port Fourchon, a nearby oilfield service port not traditionally used as a deep-water shipping port. Much of the lengthy barge journey to Port Fourchon crossed unprotected offshore waters. Berard also provided all



Critical to moving the huge cold box was the development of emergency action plans for every aspect of movement.

the equipment for the land-transport, including 80 axle lines of Scheuerle Self-Propelled Modular Transporters (SPMTs), barge ramps, ballast pumps, mooring equipment and grillage.

Weighing it all

Berard began the project by lifting and weighing the cold box at the fabrication site before placing it on the barge. Berard contracted with McDonough Marine Service to provide the barge with a deck measuring 250 feet long by 72 feet wide by 16 feet high and four tugboats with up to 6,000 horse-power. Only a handful of vessels along the Gulf of Mexico passed the client’s strict equipment criteria. Water depths ranged from 8 to 10 feet, and on-site monitoring confirmed the barge never touched the channel bottom.

Over half a year, Berard engineers logged 390 man-hours. The scope of their work encompassed bathymetric surveys, ground condition surveys, SPMT and barge stability analysis, ballast plans, securing design and emergency action plans.

The lengthy list of challenges met included: loading-out the massive shipment at a shallow port; meeting stringent securing and sea state criteria; maintaining stringent equipment maintenance and inspection records; load testing the mooring trucks and testing other equipment; and developing and following emergency action plans for every aspect of movement.

The thorough planning process yielded admirable success. Projects of this nature, including considerably smaller ones, typically require a “lessons learned” discussion after completion for issues encountered during the move. However, Berard took considerable pride in learning that the client had difficulty finding any issues with the move.

There were no incidents, injuries or even questionable procedures whatsoever during the entire execution of project, which occurred over a two-week period in December 2015 and required 918 man-hours. All engineering, planning and execution took place under the scrutiny of a major oil contractor.

Great team effort

For years prior to this project, Berard assisted in developing a shipping plan to assist the local fabricator in winning international work. As part of this effort, Berard personnel attended numerous on-site meetings to develop a viable shipping plan.

Having gained a cost-effective solution that could be replicated, this fabricator was able to ship a total of 10 similarly sized cold boxes with comparable transportation methods, all to international destinations, in the past few years. Brett Berard, vice president, called this “a rarity in the USA today. This was a great team effort to keep our local industry in New Iberia, LA competitive and working.”



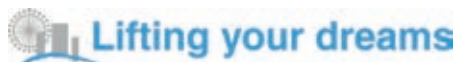
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2016 job roundup

One of the toughest competitions ever, the contest featured spectacularly difficult projects.

The 2016 SC&RA Job of the Year contest featured 21 entries by 13 companies. Projects entered were located in Canada, Mexico, Brazil, Guatemala, Italy, India and Africa as well as throughout the United States. There were 13 entries in the three Specialized Transport/Moving categories and eight entries in the four rigging categories.

Rigging under \$150,000

Emmert International removed an old transformer, off-loaded a new transformer from a rail car and transported it to a power plant in San Antonio, TX. Fully dressed for installation, the new transformer weighed 545,920 pounds and had an overall length of 43 feet 9 inches, a width of 21 feet 9 inches and a height of 26 feet 10 inches. Emmert used two customized transporters; each one performing at different

stages. One transporter was used to offload the transformer and transport the load to the plant, and another, to maneuver the tight turning radius of the confined work space of the power plant. Equipment used included a Goldhofer 14 line PSTe and 12 line PSTe, a jack and slide system and a jack lowering and raising system.

International Industrial Contracting Corporation (IICC)

was tasked with switching the locations of two overhead bridge cranes for Chrysler Sterling Stamping. IICC's team determined that the 220,000 pound crane could be rotated and lowered sufficiently to pass the other crane over without having to take the crane apart. IICC utilized two Riggers 600 EZ Lift gantry legs with a pair of W14X426 foot wide headers above and below Lift System's 550-ton capacity rotation



Edwards Moving & Rigging, Inc. transported a 166,478-pound Cold Box measuring 55 feet 4 inches wide and 24 feet 8 inches high and a 327,268 pound Demethanizer Reflux Drum measuring 203 feet long by 12 feet 10 inches and 14 feet 1 inch tall.

station to raise the crane six inches to clear the crane rails during rotation. The crane was rotated 90 degrees in about seven minutes. The gantry legs were then lowered approximately 13 feet. The process took 65 minutes from start of lift to finish; the crane bay down time was reduced to around two hours as opposed to three days.

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

Barnhart removed a Pinion Stand gearbox. While the facility did have an overhead crane, the Pinion Stand was located outside of its radius. Barnhart fabricated two three-foot jack housing stands to fit into the limited floor space. A Barnhart-engineered cantilever slide system was installed over the gearbox. The slide system allowed Barnhart's team the ability to get the gearbox into the radius of the overhead crane to lift it out.

Rigging \$750,000 to \$2 million

Fagioli was contracted to replace an old blast furnace (BF) comprised of four rings

(ranging in weight from 250 to 460 tons) with a new unit that had five sections (ranging in weight between 284 and 592 tons). First the old sections were lowered, skidded and transported by SPTs to a storage area. Once the old unit was dismantled, the new furnace sections were skidded and installed. The equipment and structural components used for lowering old BF rings and installation of new BF rings were a mix of strand jacking, tower lift and skidding system. The replacement of a blast furnace with standard procedures lasts several months as the complete unit is cut in small pieces, taken away (piece by piece) and replaced with new sections (smaller compared to this project).

Moving Job (with specialized equipment)

Daco Heavy Lift de Centroamerica S.A.

transported seven Vestas V112 wind turbines from the port of Puerto Quetzal in Guatemala to the Viento Blanc Wind Farm at the town of Los Rios. The route covered more than 50 miles, mostly via highway. However,



To relocate two overhead bridge cranes, International Industrial Contracting utilized two Riggers 600 EZ Lift gantry legs with a pair of headers above and below Lift System's 550-ton capacity rotation station.

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



more than six miles of the route presented serious logistical challenges due to a winding road with extreme tight turns, heading up a mountain towards an active volcano with inclines of up to 13 percent. Transport of 63 sections was at night due to traffic issues, but the blades had to be transported during the daytime by Goldhofer FTV300 blade-lifter because optimum visibility was required to avoid running into any obstacles along the route.

Emmert International transported a 380,000-pound vessel, measuring 65 feet 8 inches long by 18 feet seven inches wide by 17 feet 9 inches high, from Quebec, Canada to Utah. Challenges faced along the 1,775-mile route included tight clearances, steep grades, tight turns and inclement weather. Emmert accomplished this move with a THP/CA 14-line transport system.

Specialized Transportation, hauling over 160,000 pounds (net)

Barnhart transported two combustion turbines and

two combustion generators from Savannah, GA to Rising Sun, MD. Barnhart first rolled them onto a barge for transport to Port Deposit, MD. Once in Port Deposit, the company rolled them off of the barge and transloaded them to the Barnhart GS800 before transporting them the final 25 miles. The project began in June 2015 and was completed in August 2015.

Edwards Moving & Rigging, Inc. transported a 166,478-pound cold box measuring 55 feet 4 inches long by 18 feet wide by 23 feet 2 inches high and a 327,268 pound Demethanizer Reflux Drum measuring 203 feet long by 12 feet 10 inches wide and 14 feet 1 inch high. The components traveled via separate routes over 100 miles each from the Port of Caddo-Bossier just south of Shreveport, LA to the Eastman Chemical Company in Longview, TX.

Emmert International transported a 307,162-pound bullet tank, measuring 233 feet 10 inches long by 18 feet wide by 19 feet six inches high, from Texas to North Dakota. Along the 2,150-mile



In separate convoys, Tradelossa transported two 415-ton reactors in Mexico from the Port of Altamira to Cadereyta Nuevo Leon.

route, Emmert overcame a difficult railroad crossing, overhead wires, the need to travel opposite the normal direction on one-way streets, tight turns, steep grades and rain. The tank traveled aboard a Goldhofer THP/CA 14-line split with hydraulic turntables.

Energy Transportation, Inc. relocated a drag line consisting of nine loads to the Caballo Rojo Coal Mine near Gillette, WY, from June 4 to August 1, 2015. The two largest loads each traveled with a gross vehicle weight of 2,173,600 pounds with overall dimensions of 296 feet 7 inches long, 19 feet 8 inches wide and 15 feet 6 inches high.

Fagioli transported four engines weighing 256 tons each from Ghana to Niger in eight months. Total distance traveled exceeded 7,500 miles. Fagioli characterized the job as one of its most demanding ever because of weak infrastructure that necessitated bridge and road repair and construction by the company; inclement weather that included high temperatures, heavy rains and river flooding; and the sort of challenge no company normally plans for – a coup d'état in Burkina Faso.

Tradelossa transported two 415-ton reactors, in separate convoys, from the Port of Altamira to Cadereyta Nuevo Leon in Mexico. The reactors were approximately 93.5 feet long, 24 feet wide and 17 feet tall. The job took place from October to December 2015 and involved a route of 383 miles.

Transdata Movimentação de Cargas Complexas safely transported one of the world's largest rotors on a 373-mile route in Brazil, ending at the Belo Monte Hydroelectric Plant. Ninety percent of the movement of the 348-ton rotor took place at night on a configuration measuring 354 feet long by 28 feet wide by 28 feet high.

Specialized Transportation, hauling under 160,000 pounds (net)

Fagioli transported a 70-ton transformer measuring 24 feet 7 inches long by 9 feet 6 inches wide by 12 feet 2 inches high on a route winding than 100 miles on slopes of up to 12 degrees through the Italian mountains. Particularly challenging was an uphill tunnel that included a loop. ■

Has the mission

Industry professionals applauded for contributions to crane safety.

The years may have passed, but the mission given to NCCCO by the industry over 20 years ago has remained unchanged: to develop effective performance standards for those who work in and around cranes; provide fair, valid and reliable assessments of their knowledge and skill; and act as an authoritative industry resource of related information.

The vision of NCCCO's founding fathers who took the bold step of establishing this country's first national certification program for crane operators has also endured: A global lifting environment in which crane and crane-related risks are reduced, performance records improved, training needs stimulated and overall safety enhanced.

It's not too often at NCCCO that we look back. We're typically caught up in the future, further refining our organization's mission and vision to make crane operations in North America safer for those whose work brings them into contact with cranes. But the 20th anniversary of NCCCO has given us a great opportunity to reflect on our history, to identify some lessons learned and to assess whether we have met the goals assigned to us by the lifting industry.

From the outset, we committed to not do any training. That may seem odd given that training was a key component in the Canadian experience^[1] that, in large part, inspired the U.S. initiative. While training is clearly critical to the process of knowledge and skills

evaluation, our philosophy has always been that certification should remain completely separate from training so it can provide a third-party, wholly independent assessment of the training's effectiveness with each candidate. It's a model we believe has led to a high level of integrity and a robust evaluation process.

Learning curve

Since we started in 1996 with just one program – for mobile crane operators – NCCCO has expanded over the years into 25 certifications in 10 categories that embrace multiple activities within the lifting industry. For sure there's been a learning curve; at the outset, it took us three years just to complete the practical portion of our first certification program. Now we can develop a certification program from scratch, with both written and practical components, in little more than 12 months.

In that first year, NCCCO certified about 800 individuals – all of them

mobile crane operators. Fast-forward 20 years, and this represents our average *monthly* test volume, to the point where the number of operators, riggers and other personnel certified through CCO certification programs is closing in on 130,000, and the number of certifications issued has surpassed 350,000. As impressive as these numbers might be, we are more concerned with what they mean in terms of the impact that training and certification can have on fulfilling NCCCO's core mission: reducing accidents and fatalities related to cranes.

As much talk as there is about the impending OSHA rule^[2], it's worth observing that all these certifications were issued without a federal requirement. True, some states' requirements (for example, California or Pennsylvania) have had a significant impact, but it's the emergence of certification as an *employment* requirement that has been crucial to the success of NCCCO's mission.



THE AUTHOR

Graham Brent, CEO of the National Commission for the Certification of Crane Operators (NCCCO), had the

opportunity to speak to the National Safety Council's Annual Congress last fall on the occasion of NCCCO's 20th anniversary. This article is based on his presentation "Credentialing in Construction: What Have 20 Years of National Crane Operator Certification Taught Us?"

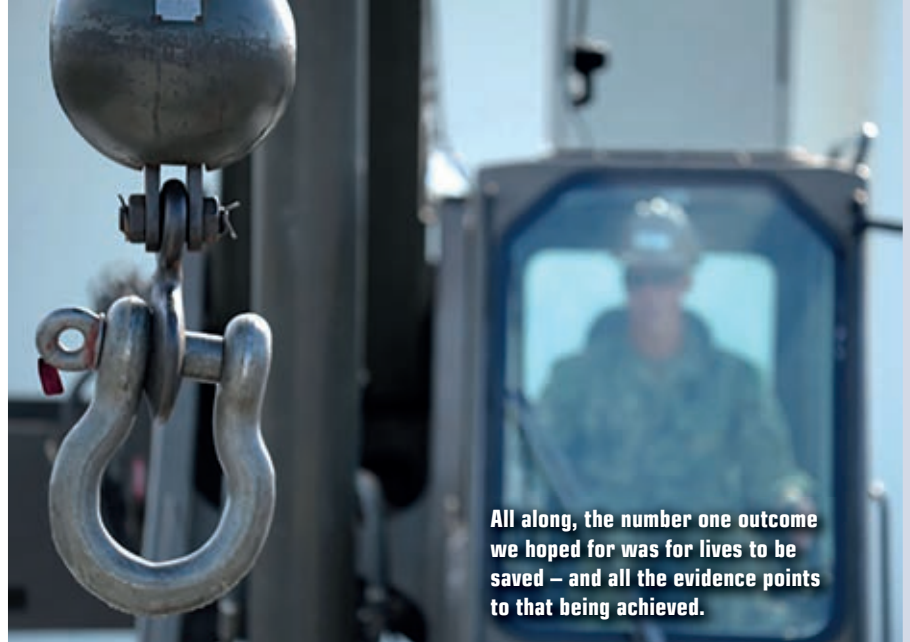




been achieved?

“ The real value of CCO certification clearly lies in the opportunities it provides companies to mitigate risk while, for the operator, the credential can be career-enhancing. ”

In recognition of employers' commitment to crane safety through certification, NCCCO has developed an Employer Recognition Program, "Committed to Crane Safety," while operators and others have their achievements recognized through the Star Program, now enrolling the very first 4-Star members^[3]. The real



All along, the number one outcome we hoped for was for lives to be saved – and all the evidence points to that being achieved.

value of CCO certification clearly lies in the opportunities it provides companies to mitigate risk while, for the operator, holding the credential can be career-enhancing. Actually, safety is exponentially improved when a company certifies not just crane operators, but signalpersons, riggers, inspectors and lift directors as well, thus completing what we call the Safety Circle of Responsibility^[4].

Coming to the table

We've also learned that if you want a truly useful, value-adding program, you bring everybody to the table. This is as true now as it was when we started; in fact, the table is not complete until everyone has an opportunity to come to it. Following the success of the first CCO certification programs, a number of organizations have decided either to co-develop programs with NCCCO or adopt existing ones. In many cases, these efforts have evolved into strategic partnerships to create additional and enhanced programming. Partnerships established with the Pile Driving Contractors Association (PDCA) and the National Wireless Safety Alliance (NWSA) are the latest in a long line of strategic relationships that have seen the

CCO CERTIFIED MOBILE CRANE OPERATOR

NCCCO offers four categories of mobile crane operator certification. In addition to the core written exam, candidates also 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 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). Find more information at: www.nccco.org/mco

CCO CERTIFIED TOWER CRANE OPERATOR

Candidates must pass both written and practical exams to be CCO-certified tower crane operators (TWR). Candidates may take the practical exam on one of three types of tower crane – hammerhead, luffing jib, or self-erecting – and must demonstrate skills such as trolley travel, hoisting, swinging, and combined function operations. Find more information at: www.nccco.org/tco



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CRANE ACCIDENTS ⁽⁸⁾

JUNE 2002-2005 VS. JUNE 2005-2008

FATAL ACCIDENTS	2002-2005	2005-2008	
High-Voltage line contacts	5	1	
Struck by Loads	4	0	
Mobile Cranes Overturned	1	1	
Total Cases	10	2	80% decrease

NON-FATAL ACCIDENTS	2002-2005	2005-2008	
High Voltage Line Contact	7	4	
Struck by Loads	18	3	
Mobile Cranes Overturned	5	6	
Total Cases	30	13	57% decrease

established safety benefits of NCCCO's core programs positively impact other industries.

Psychometric guidance that provides for the scientific analysis of exams, verifies the testing methods and measures their efficacy, is an essential key to successful certification. For example, NCCCO testing data has provided conclusive evidence that, of the four main knowledge areas tested in mobile crane operator certification (jobsite, operation, technical knowledge and load charts), it is the complete and correct interpretation and understanding of load charts that presents the greatest challenge to operators. And that has much more to do with structured training – or the lack thereof – than seat time or other field experience.

The simple fact is that interpreting load charts is not intuitive – it has to be taught. With the wide variety of cranes and the charts that accompany them in the field, it's not necessarily a knowledge set that transfers well from one crane to another. Proper third-party psychometric guidance and methodology has enabled us to create testing that validates candidate knowledge, discovers these weaknesses and addresses them through the program.

When NCCCO started, it was anecdotally reported that the average age of a crane operator was 50 or even older. A demographic study undertaken by NCCCO suggests this may have fallen slightly in recent years – good news for employers keen to engage the

“ Employers report increased productivity and reduced maintenance costs as a result of their equipment being operated by properly trained and certified operators. ”

next generation of operators ⁽⁵⁾. But what's clear is that there is variation by crane type as well as by crane-related occupation⁽⁶⁾. This makes sense when you consider that skills often correlate with experience.

Understanding the correlation between skill level and knowledge to age is important in what we do. The point here is that each individual must be trained, tested and certified on the specific type of equipment he/she is operating because there can be substantial differences between them. Skills can be transferred, but one must still be certified appropriately.

Maintaining integrity

As with any high stakes testing, program integrity is constantly under siege. Because of the value CCO certification offers, it seems some are willing to go to great – and sometimes highly creative – lengths to misrepresent their certification >30

CCO CERTIFIED OVERHEAD CRANE OPERATOR

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

CCO CERTIFIED ARTICULATING CRANE OPERATOR

This program addresses the specific knowledge and skills required to operate articulating boom cranes and articulating boom loaders. Three designations are available: articulating boom crane operator (ABC), articulating boom crane with winch operator (ABW), and articulating boom loader operator (ABL). Candidates must 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 it through a zigzag corridor. Find more information at: www.nccco.org/aco

CCO CERTIFIED DIGGER DERRICK OPERATOR

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. Find more information at: www.nccco.org/ddo

CCO CERTIFIED DEDICATED PILE DRIVER OPERATOR

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. Find more information at: www.nccco.org/dpd



NCCCO has developed strategic partnerships with an array of organizations.

CCO CERTIFIED RIGGER

Two certification levels are available: Rigger Level I (RIG-I) certification indicates that certificants 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. Find more information at: www.nccco.org/rig

CCO CERTIFIED SIGNALPERSON

In addition to being able to give accurate visible and audible signals, signalpersons are required to have basic knowledge of crane operations and limitations, understand specific considerations concerning the construction site, and know applicable safety standards and regulations. CCO certification tests consist of a multiple choice written exam and a computer-based practical exam. Signals for both mobile and tower cranes are tested. Find more information at: www.nccco.org/sgp

CCO CERTIFIED CRANE INSPECTOR

The CCO crane inspector (CI) certification program is designed to bring the same safety, insurance, and risk reduction benefits that NCCCO's other certification programs have delivered since 1996. 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. While no practical exam is required, candidates must attest to at least five years of crane-related experience. Find more information at: www.nccco.org/ci

CCO CERTIFIED LIFT DIRECTOR

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. Find more information at: www.nccco.org/ld



status. These challenges can be offset by diligently ensuring all policies and procedures are followed, and proactively taking action where that integrity might be threatened. NCCCO's Ethics and Discipline Committee is central to that effort. An easily accessible public database of certification-holders launched a couple of years ago – VCO Online⁽⁷⁾ – has also done much to stamp out fraud and cheating as has, incidentally, the migration of most CCO certifications to video-monitored computer-based testing.

But when all is said and done, the central question has to be: Does it work? All along, the number one outcome we hoped for was for lives to be saved – and all the evidence points to that being achieved. Whether we look at California, where crane-related fatalities have fallen 80 percent⁽⁸⁾, or review the experience of states such as West Virginia or Washington, where serious crane accidents have all but disappeared, lives are being saved and injuries are in decline.

The same picture emerges from

insurance companies that track incidents involving cranes, employers who maintain their own records, and operators themselves. Surveys of CCO certificants have provided ample testimony that crane operations are safer, and that operators perform better as a result of CCO certification⁽⁹⁾. In addition, there are collateral benefits that further speak to certification actually being an investment rather than a cost. Employers report increased productivity and reduced maintenance costs as a result of their equipment being operated by properly trained and certified operators.

So, to sum up, it's been a long road to success at NCCCO, and the early years were undeniably difficult. But the effort of the hundreds of industry volunteers that have built program after program for the benefit of those who work with and around cranes has been well worth it. To know that the vision of a safer workplace is being achieved, as the original founders believed it could be, through professional credentialing, is incentive enough to continue pursuing their goal for the next 20 years and beyond. ■



This article was taken from a paper delivered by Graham Brent at the National Safety Council Congress & Expo in Atlanta, 2015.

FOOTNOTES

- ⁽¹⁾ Ontario, Canada reported an 80 percent drop in crane-related deaths once training and licensing was mandated in the Province in 1978-9. Crane and rigging accidents as a percentage of all construction accidents also fell 50 percent.
- ⁽²⁾ OSHA's requirement for most construction crane operators to be certified by November 2014 was delayed by three years to November 2017.
- ⁽³⁾ 4-Star Recertificants are those who have re-certified four times, i.e. they are entering their fifth period of five-year certification.
- ⁽⁴⁾ While crane operators are critically important for the safety of a lift, responsibility is also shared among the riggers, signalpersons, crane inspectors and lift directors.
- ⁽⁵⁾ This is one reason why NCCCO has partnered with the SC&RA and KHL Group for the Lift & Move USA series of events aimed at attracting high school students into the lifting industry.
- ⁽⁶⁾ A study of CCO certificants showed that a lattice boom crane operator is, on average, three years older (at 46) than for operators across all crane types, while articulating crane operators are the youngest group, at 37 years old on average. Crane Inspectors and Lift Directors came in at 50 and 55 years old, respectively.
- ⁽⁷⁾ Online verification of all NCCCO certificants can be accessed 24/7 at www.verifycco.org
- ⁽⁸⁾ Cal-OSHA's six-year analysis of crane accidents in California revealed an 80 percent decline in crane related fatalities and a 57 percent drop in non-fatal accidents following mandatory certification.
- ⁽⁹⁾ Several hundred CCO recertificants were surveyed in 2009 and again two years later. Eighty-seven percent said that CCO certification "had made crane operations safer." "Safety used to be an afterthought; now it is the most important aspect of any construction project" was typical of the responses received.



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All-around growth

Mike Chalmers reports on SC&RA's year full of highlights, value and innovation.

For nearly 70 years, SC&RA has played a representative role for companies around the U.S. and the world that specialize in hauling and lifting exceptionally large objects. That role has evolved over time to include providing the unique information and support, as well as lawful activities, its members need to conduct their business safely, legally and profitably.

With more than 1,300 member companies in 46 nations, SC&RA pursues more than just advocacy and support for its members. It also involves a number of allied industry members, which manufacture cranes, transportation equipment and accessories, or provide services such as engineering, financing, freight forwarding, insurance, logistics and safety consulting.

Industry advocacy

Working with government agencies, labor unions and other associations around the globe, SC&RA members and staff focus on lessening burdensome laws and regulations throughout the industry. As a members' advocate, the Association concentrates its support in the areas of crane operator and reciprocity of states' pilot car driver certification programs, harmonization of oversize/overweight permit regulations from state to state, tariffs, taxes, energy conservation and costs, safety, transportation infrastructure funding and highway tolling.

— SC&RA Executive Vice President Joel Dandrea and Bragg Companies' Vice President Scott Bragg participated at the International Union of Operating Engineers (IUOE) Executive Council meeting in Maui, Hawaii, in early 2016 – at the request of IUOE General President James Callahan.

Bragg was a member of the SC&RA Crane & Rigging Group's Labor Committee task force that worked



to establish an Operating Engineers Agreement between the Association and IUOE, which was signed the previous month. The historic, far-reaching agreement, which SC&RA had pursued for over ten years, addresses the changing environment of industry businesses and seeks to increase competitiveness, market share for signatory employers and work opportunities for union members.

In his presentation to the IUOE Executive Council and all business managers of IUOE locals, Dandrea summarized SC&RA's membership, its role in industry, its industry partners and the major issues being addressed by the Association.

In February, a limited exemption for crane operators was requested from the Federal Motor Carrier Safety Administration's (FMCSA) hours-of-service (HOS) regulation for commercial drivers. SC&RA specifically requested exemption "on behalf of individuals who operate cranes with a rated lifting capacity

“ The FMCSA announced its decision to grant SC&RA an exemption from the 30-minute rest break rule of the Agency's HOS regulations for certain commercial motor vehicle drivers. ”

of greater than 30 tons who engage in specialized training and certification.”

SC&RA noted that, on average, operators spend only one to two hours of on-duty time each trip actually driving the cranes to and from the job sites; however, they have multiple periods of unscheduled breaks when



THE AUTHOR

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



SC&RA Executive Vice President Joel Dandrea and IUOE General President James Callahan signed the new Operating Engineers Agreement in January 2016.

See all upcoming SC&RA events at:
www.scranet.org/events

“ Sims Crane dispute of an MSHA ruling in 2016 was supported by SC&RA with asking its members to file an Amicus Curiae. ”

they are basically “at rest” or “on break.” The Association included examples of situations that could extend the anticipated workday beyond the norm and into the infraction of the 14-hour condition of the HOS regulation.

In October, FMCSA announced its decision to grant SC&RA an exemption from the 30-minute rest break rule of the Agency’s HOS regulations for certain commercial motor vehicle (CMV) drivers.

FMCSA noted that all qualifying motor carriers and drivers operating mobile cranes with a rated lifting capacity of greater than 30 tons are exempt from the 30-minute break provision. FMCSA has analyzed the exemption application and public comments and has determined that the exemption, subject to the terms and conditions imposed, will achieve a level of safety that is equivalent to, or greater than, the level that would be achieved absent such exemption.

The Agency denied SC&RA’s further request for exemption from the 14-hour driving window of the HOS rules.

— Sims Crane’s dispute of an MSHA (Mine Safety and Health Administration) ruling in 2016 was supported by SC&RA with asking its members to file an Amicus Curiae (commonly known as “Friend of the Court”) Notice concerning the May 3 ruling against Sims. The ruling, which regarded workers walking below

a spreader bar to connect rigging to the load, stated: “The citation at issue alleges that Sims’ crane operator and helper did not stay clear of a suspended load, violating MSHA standard 30 C.F.R., section 56.16009.”

SC&RA believes this ruling is contrary to OSHA’s (Occupational Safety and Health Administration) standards, and could essentially prevent the attachment of rigging to loads, which would be extremely detrimental to the industry and crane operations across the country. The Association continues to work with Sims Crane and members on this issue and both are hopeful for a positive resolution in 2017.

— Two Maryland Department of Labor representatives attended the Crane & Rigging Workshop Safety Education and Training Committee meeting for the first time in 2016. Deputy Commissioner Steven S. Lakin and Safety Compliance Specialist David Latham’s participation represented cause for optimism on building a relationship between SC&RA and Maryland DOL for future issues impacting the industry.

SC&RA was selected and continues to serve on the Federal Department of Transportation’s National Coalition on Truck Parking to resolve unique parking challenges of specialized transportation due to size of loads, restricted permitting hours of movement and lack of uniform permit policies between states.

Effective on August 17, vehicles operating in Iowa under an OS/OW permit are allowed a tandem axle weight of up to 46,000 pounds on a single tandem truck axle, and also a single tandem trailer axle.

Following two years of meetings with

The 2016 Crane & Rigging Workshop featured a tour of the Manitowoc Cranes factory – with 150 in attendance.

SC&RA, the Tennessee Department of Transportation (TDOT) made sweeping changes as of July 1 regarding permit travel allowances on Sundays, nighttime and holidays, annual permits and length of permits. Additionally, effective January 1, 2017, permitted weight allowance increases from 40,000 to 46,000 pounds for all two-axle tandems in which the tractor/trailer equipment does not exceed 12 feet in width, putting the state in line with most other states.

— SC&RA successfully advocated American Association of State Highway Transportation Officials (AASHTO) to adopt Phase II Harmonization Resolution calling on states to harmonize permit procedures involving permit amendments, holiday restrictions, escort requirements for over-height loads, number of valid days of a permit and type and size of escort vehicles.

Massachusetts went to an online automated permit system this year. The following states are expected to go online in 2017: New York, Pennsylvania, Alabama, South Carolina and Idaho. Additionally, SC&RA was a part of an initiative for states to increase the “auto-issue” thresholds. The following states found success in state automated permitting: Montana, Illinois, Maryland, New Mexico and Minnesota.

Tennessee, Maryland and New Mexico found success in allowing nighttime permits, as well. These successes continue to reduce permit turnaround time resulting in cost-savings to members.

In regards to pilot cars, the Federal Highway Administration (FHWA) will soon release a guide for best practices – the National Pilot Training Curriculum – within which SC&RA has contributed.



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SC&RA reached a record-high 1,345 members in 2016.

With long-established connections with the highway industry, FHWA often looks to SC&RA for their input and expertise on these issues. Moreover, FHWA selected SC&RA to produce a best practices manual for state automated permit systems – with a projected release date of 2017.

Additionally, SC&RA is forming partnerships with national associations to improve safety and efficiency for specialized transportation, such as the American Association of Railroads, to develop a comprehensive listing of contact names and procedures for contacting all major railroads to coordinate large moves.

SC&RA also partnered with Edison Electric Institute, developing “Best Practices” between specialized transportation and utility companies nationwide in coordinating extreme over-height permit loads. Finally, SC&RA is collaborating with the National Pilot Car Association to develop a document outlining Expectations between specialized carriers and pilot cars. The document is expected to be signed and presented at the 2017 Specialized Transportation Symposium in Orlando (FL).

Membership growth

SC&RA membership continues to prove its worth for over 1,300 companies around the world. The Association’s member benefits, including advocacy, events, products and various programs create greater opportunities for member companies to operate more efficiently and productively within an ever-changing industry.

A membership with SC&RA also welcomes companies into an international family. Company leaders find themselves getting to know one another on personal levels, and though competition is certainly a reality, the bonds that are formed within SC&RA only serve to

strengthen the overall industry.

First-year member Don Daseke, President & CEO at Daseke Inc. (Addison, TX), was motivated to join SC&RA because he saw a clear investment in the future of the industry. “The value we derive from being a member of SC&RA and attending their Annual Conference is immeasurable. No other association can offer a specialized carrier an equal value.”

Philip L. Byrd, Sr., President & CEO at Bulldog, was also impressed by attending his first Annual Conference. “We are so pleased to be included with the top professionals in specialized hauling,” he affirmed, adding “... the relationships we are building through SC&RA help us in the market daily.”

— In addition to unmatched networking opportunities, an SC&RA membership provides companies with a host of products that not only make their lives much easier, but enhance the industry overall. An example would be the *Crane Guide to Mobile Crane Safety Management* – released in 2015, but re-released in Spanish and Portuguese this year.

The *Oversize/Overweight Permit Manual* was enhanced, as well, to include new state/province information pertaining to pilot car requirements, permit turnaround time and bridge analysis, along with an easier-to-read format.

The Employee Safety Manual Guidelines was recently developed by the Crane & Rigging Group Employee Safety Manual Task Force in cooperation with NBIS to provide companies a starting point when developing or updating their company’s safety policies.

SC&RA’s Membership Directory is another valuable publication exclusive to members. It includes over 1,800 listings of member companies across the globe that specialize in crane, rigging, oversize/overweight and related fields (publications, engineers, consultants, etc.) – in alphabetical and geographical

“...the relationships we are building through SC&RA help us in the market daily.”

indexes that allow members to quickly and easily find the resources they need daily.

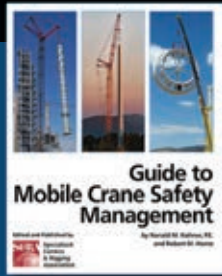
Similarly, SC&RA’s Awards Program showcases members’ commitment to safety, ingenuity, perseverance and altruism. All SC&RA awards are recognized and presented at the Annual Conference – except for the Crane & Rigging Project Safety and Crane Rental Service Safety Awards, which are presented each month.

Ron Montgomery, President at IRH (Salt Lake City, UT), won a Hauling Job of the Year in 2016 in the Over 160,000 lbs. (net) category. “Once we completed the project successfully, we were excited to submit our entry, and with the preparation going in, putting together the presentation wasn’t too time consuming,” he said. “We were a little surprised to win after seeing all of the other amazing projects that were entered in our category, but at the

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Bookending the Closing Night ceremonies at the 2016 Annual Conference, outgoing SC&RA President Bruce Forster handed over the gavel to incoming President John McTyre.



The popular Crane Guide to Mobile Crane Safety Management was re-released in Spanish and Portuguese in 2016.

same time, we were very proud of our accomplishment.”

In terms of value, Montgomery feels the Awards Program gives member companies an unmatched chance at visibility. “Our customer on this project was exhibiting next to us at the Breakbulk show this year, and had our job on their video that played the entire time. They made a big deal about it winning the SC&RA Job of the Year award, and we had several positive discussions with other potential customers due to that exposure.”

SC&R Foundation

The Specialized Carriers & Rigging Foundation supports SC&RA member companies and addresses the industry labor shortage. The Foundation funds industry specific research projects, and awards nearly \$60,000 in scholarships and grants annually.

The Foundation has contributed over \$315,000 to research projects, including educational DVDs and industry specific reference materials. Scholarships and grants are provided annually to SC&RA member company employees and their children and grandchildren. Over \$450,000 has been awarded to students since 1986.

Donations to the Foundation are tax deductible, and individual and corporate contributors are recognized throughout the year at various SC&RA events, in the newsletter and on the website.

Twenty-four awards were presented this year for scholarships and grants, and the Foundation also voted to support Lift & Move USA – a one-day conference aimed at introducing the crane, rigging and specialized transport sector to young people.

Levy Brack, Vice President at Heavy Iron Cranes (Lexington, SC) is the father of Caleb Brack – a recent Foundation Scholarship winner. Levy believes heavily in the power of the Foundation to enhance the lives of individuals and the industry at large.

In November 2016, more than 750 students, veterans, teachers and parents attended the fourth Lift & Move USA event in Long Beach (CA), hosted by Bragg Companies.

“The depths to the scholarship program and what it has done for not only my son, but other folks as well, is huge. It really opens big doors for them,” he emphasized. “They get a lot of attention that helps them to start a career – you’d be surprised at the companies that reached out as a result of Caleb’s award. The story went out in three magazines. And as far as the Foundation itself, it’s well enough established now that people see that they’re not just picking anyone. So when companies see who gets picked, it’s a qualification – a good mark. Additionally, the recipients know that the industry is paying for part of their education, and they’re serious about how they reciprocate that good will.”

Brack sees the Foundation paving the way for the industry’s future. “As far as the industry’s benefit – they’re getting quality workers who will turn around and pay back with not only a career, but long-term contributions, which will enhance the industry – so it’s a full-circle type benefit.

“There’s tons of potential for both sides – and this industry certainly needs it. I’m a big fan. After seeing the inner workings of it – what made me become a huge fan was the exposure Caleb received. And it’s a big pre-employment opportunity for these companies – getting a chance to look at these candidates. It can be a life-changing experience for the people that are affected by the SC&R Foundation.”

Additionally, the Foundation will be releasing a mobile app, which highlights



all industry terms for crane & rigging and transportation, in the first quarter of 2017.

The Crane, Rigging and Hauling/Transport Terms app will be free for members and \$4.99 for non-members – as well as available in English, Spanish and German – in Google or in the iTunes store.

Important events

SC&RA events provide opportunities to network with the industry’s foremost decision makers, learn from industry experts and participate in committee discussions that serve as the catalyst for many of SC&RA’s advocacy successes.

The January Board & Committee Meeting is open to all members and allows attendees a chance to discuss Association and Foundation goals, objectives and initiatives for the upcoming year and network with other Board and Committee members.





The SC&R Foundation raised a total of \$23,720 from raffle ticket sales at the 2016 Annual Conference.

featured a sold-out Products Fair with 90 exhibitors, and a Manitowoc Cranes factory tour that drew 150 enthusiastic Workshop goers.

SC&RA featured its popular Meetings App at all events to help attendees easily navigate and stay connected at the touch of their fingertips.

Meredith Williams, Sales & Marketing Manager at Buckner Companies (Graham, NC), is a big supporter of the Meetings App. “The app is incredibly valuable onsite at the event. Our team uses it to check schedules and decide on meeting times and which items on the

agenda we are attending and focusing on. It’s great to have all the event information in one easy-to-access place without needing to constantly carry a large brochure around.”

Jamie Harthoorn, Associate Marketing Manager at Terex USA, LLC (Westport, CT), agrees. “Since I always have my phone, I always have the schedule and attendee listing readily available.”

— Lift & Move USA (L&M) had a big 2016 – building on its mission to educate the next generation about the industry. SC&RA, in partnership with KHL Group and NCCCO, assembled this program to highlight the career opportunities and limitless possibilities in the industry – in an effort to address and decrease the labor shortage.

In February, L&M saw 750 high school and college students, as well as military veterans, attend the second L&M careers event – this one hosted by TNT Crane & Rigging in Houston (TX). The third event followed in May, hosted by Buckner Companies in Graham (NC), and saw 300 high school and vocational school students in attendance. And in November, more than 750 students, veterans, teachers and parents attended the fourth L&M event in Long Beach (CA), hosted by Bragg Companies.

The Association announced in August that it has pledged up to \$300,000 as the anchor sponsor for eight Lift & Move USA events to be held throughout 2017 and 2018.

Communicating with the industry

SC&RA continued its commitment to connecting members with the information they need and the people they know in a variety of ways in 2016. The Association launched its Instagram page, a complete website redesign (www.scranet.org) and quarterly safety & risk management and weekly newsletter redesigns.

Additionally, SC&RA’s Facebook, Twitter and LinkedIn feeds continued to serve members as valuable social media resources. And the Association’s steady visibility in both *ACT* and *IC&ST* Magazines confirmed its status as one of the industry’s most regarded sources of news and information affecting crane, rigging and specialized transport companies around the world.

Williams added, “Buckner Companies follows SC&RA primarily on Facebook and Instagram, along with LinkedIn. Following SC&RA on social platforms allows us to stay up to date on Association news and events, as well as what our industry partners are doing in their businesses.”

Harthoorn believes that following SC&RA on social media allows her to see the latest happenings in the industry – whether that’s jobs, news or events. “The Facebook page also provides the ‘community’ aspect by showing members at work. And the weekly newsletter allows members a chance to see what’s happening in a very digestible way.”

Ultimately, Williams knows that SC&RA’s communications tools provide members with several benefits. “The real-time information gives members a chance to comment with questions and find out more. Second, I believe it creates a great hub of industry knowledge and announcements (when new policy or regulations pass that affect our industry, it’s nice to see those updates highlighted on SC&RA’s Facebook page). Third, I believe it all provides an opportunity for members to share their company’s accomplishments with each other, keep up with valuable news and updates and celebrate the industry as a whole.”

In 2016, the Oversize/Overweight Permit Manual was enhanced to include new state/province information pertaining to pilot car requirements, permit turnaround time and bridge analysis



The 2016 Specialized Transportation Symposium landed in Memphis (TN) at The Peabody Memphis, March 1–4. The Symposium saw nearly 500 attendees, 42 of whom represented six different countries, as well as 106 first-timers, join the annual gathering looking to network with one another and engage with the industry’s top executives, safety directors, state and federal transportation officials and related trade officials. Additionally, this year’s meeting was distinguished by nearly 40 registered state officials.

Located at the Hilton Orlando, Bonnet Creek (FL), from April 26–30, the Annual Conference presented 750 of the industry’s top owners and executives from eight different countries a productive setting with which to participate in committee meetings, awards presentations, educational sessions and numerous networking opportunities. The annual gathering was highlighted by 75 first-timers and 90 exhibitors at the Products Fair. The SC&R Foundation raised a total of \$23,720 from raffle ticket sales to fund scholarship, education and research programs.

The Crane & Rigging Workshop was held in National Harbor (MD), from September 21–23, at the Gaylord National Harbor. Over 600 attended, 33 of them internationals and 151 first-timers – as members came together for sessions on safety, regulatory and consensus standards, training, equipment maintenance and current issues affecting the industry. The Workshop also

Assessing the trends

Bill Smith analyses crane and transport accidents and how the categories are trending.

Operators in heavy construction are often looking for ways to improve their business and profitability. Keeping an eye on crane, rigging and specialized transportation accident trends is one of the easiest ways and can be a good measure of how well your risk management program is working for you. Let's start by taking a look at the top 10 insurance losses based on severity and how accident categories are trending. The idea here is to get you thinking about the factors that cause accidents and what you can do to stop them. By understanding risk, it's possible to avoid it. Maybe not entirely, of course, but certainly some of the time.

The top 10

NBIS tracked program data between 2009 and 2016 to come up with the top 10 crane and rigging losses, based on severity. I can't say we were entirely shocked by the results, but seeing the hard data definitely helps us view our program's risk profile as a whole. They are:

- 1 Dropped loads
- 2 Bodily injury
- 3 Property damage
- 4 Overturned crane
- 5 Contract risk transfer
- 6 Boom/jib strikes worker
- 7 Rigging failure
- 8 Hook/block strikes worker
- 9 Load falls from forklift
- 10 Objects fall off load

Obviously, loads can drop for a variety of reasons, but the fact that we've seen so many of them means we need to do a better job. Do what you can to prevent dropped loads by checking and double checking your rigging. Use the correct rigging. Inspect your rigging regularly. Make sure you've got the weight right. If possible, try to keep people from passing underneath the load. It's often the small, uncomplicated things that you do over

and over every day that end up helping the most.

You'll notice that bodily injury came in at number two. I bet if you asked your peers what their organization's biggest asset is, they would say it's their people. Most companies feel like that. So we need to make sure we're doing everything we can to keep our people safe. Having bodily injury as the number two severity loss in the list is simply unacceptable. Our people are far too important. We need to do a better job of protecting them.

Things are changing

I led with a top 10 list of severity losses, which suggests that we need to do a lot to improve, but it's not all bad news. In fact, there are number of loss categories that we used to hear a great deal about that have actually dropped in the rankings. This is fantastic news, because it means we're changing our behaviors and those changes are resulting in safer jobsites and workplaces.

These three categories topped the list by severity at one point in time, but now no longer appear:

- **POWERLINE CONTACT:**
Ranking dropped to 16th
- **GROUND CONDITIONS:**
Ranking dropped to 15th
- **TWO-BLOCK:**

Only four claims in six years
The fact that these three categories have fallen so far in the rankings is proof positive that we can disrupt the numbers. We've proven we can do it. Now we need to continue.

Turning to transportation

When looking at the transportation industry's accident trends, the Federal Motor Carrier Safety Administration (FMCSA) typically has the most comprehensive data to review.

In 2014, the FMCSA Critical Violation Summary for Heavy Haul Fleets listed the following categories as the *Top Driver-related Factors for Fatal Crashes*:

- 1 **SPEEDING**
a 262 fatalities reported in 2014
- 2 **DISTRACTED DRIVING**
a Fatalities from distracted driving now exceed drunk driving

b 230 fatalities reported in 2014

3 LACK OF A DRUG AND ALCOHOL PROGRAM

- a Leads violations
- b 13 percent failed to implement an alcohol and drug-testing program
- c 16 percent failed to implement random drug testing

4 LACK OF RECORD-KEEPING

- a Leads critical violations
- b 32 percent failed to require driver to prepare inspection report
- c 11 percent had no Driver Record of Duty status

5 INOPERATIVE TURN SIGNAL(S)

- a Leads roadside inspection violations
- b 20 percent of these came from lack of inspection and/or repair and maintenance of parts and accessories

But just as these top five categories show us where exactly we need to improve, there are also a few categories that have been reduced. The categories that follow were previously on the "Most Wanted" list of Industry Safety Loss Prevention Priorities, but no longer appear:

■ BACKING INTO/ROLL BACKWARDS:

Claims down

■ MOTORCYCLE CLAIMS:

Down – only three instances in 2014

■ FIRE CLAIMS: Down – only four in 2014

The best practice to have in place is a constant focus on risk management and an all-encompassing safety culture that each member of the team is engaged in. It's worth looking at your culture and your safety program and asking yourself the following questions, all of which correspond to common accident-causation factors.

- Do I offer the proper training and document that training?
- Are responsibilities clearly articulated and delineated? (internal and external)
- Does our management culture promote safety and transparency?
- Is our equipment maintenance schedule followed diligently?
- Do we have the proper contracts addressing contractual risk transfer in place?

By asking yourself the questions and using the answers to guide your next steps, you'll be helping to ensure you're fostering and engaging in a culture of safety that's always improving.



THE AUTHOR

Bill Smith is executive vice president of risk management and claims for NBIS

“ The best practice to have in place is a constant focus on risk management and an all-encompassing safety culture that each member of the team is engaged in. ”

EDITOR'S NOTE: This article is based on a presentation given by **Bill Smith** at the SC&RA annual conference in April.

Looking at other data

It's almost always helpful to look at just about any claims and loss data you can get your hands on. Claims data tells a story, and it is a story you want to know, a story you want to understand.

In keeping with this idea, consider this: On May 16, 2016, the Travelers Companies, Inc. released its "Injury Impact Report," which identified the most common causes of workplace accidents and injuries. Travelers analyzed more than 1.5 million workers' compensation claims filed between 2010 and 2014 from a variety of business sizes and industries. Based on their analysis, they were able to conclude that the most frequent causes of workplace injuries included:

- Material handling (32 percent of total claims)
- Slips, trips and falls (16 percent)
- Being struck by or colliding with an

- object (10 percent)
 - Accidents involving tools (7 percent)
 - Traumas occurring over time; for example, when a part of the body is injured by overuse or strain (4 percent).
- The above incidents most often resulted in strains, sprains, cuts, punctures, contusions, inflammation, fractures or chronic sicknesses resulting from a type of work (e.g., a skin disease caused by chemical exposure). On average, strains and sprains resulted in 57 missed work days, followed by cuts and punctures at 24 days. Of the most commonly resulting injuries, inflammation and fractures caused the most time away from work at 91 and 78 days, respectively.
- Further analysis of Traveler's workers' compensation claim data revealed that certain causes of accidents and resulting injuries were more prevalent in some industries than others:

- While material handling accidents were the top cause of injuries overall, these were especially common in the manufacturing and retail industries, causing nearly 40 percent of injuries in both sectors.
- Falling from height was among the top causes of injuries in both the construction and retail industries.
- The oil and gas industry was the only segment in which motor vehicle accidents were one of the most frequent causes of injury.
- Eye injuries were one of the most frequent types of injuries in manufacturing and construction.

If you have questions about the data in this article or would like an NBIS risk management specialist to help you discover ways to be a safer, more risk management-focused organization, contact us today: 1-877-860-RMSS.

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Booming up!

American Cranes & Transport presents its 11th annual **ACT100** Index of North America's top crane-owning companies.

BY THE NUMBERS

EMPLOYEES
33,772

BRANCHES
694

MOBILE CRANES
14,913

CRAWLER CRANES
3,046

TOTAL CAPACITY
2,167,070 tons

AREAS OF OPERATION:

REGIONAL 53

NATIONAL 32

WORLDWIDE 15

NEWCOMERS TO THE LIST 8

ACT100 2017

Submit information for the 2017 **ACT100** by emailing d.annshiffler@khl.com



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Ranking North America's top crane-owning companies

ACT's annual **ACT100** list of top crane-owning companies continues to grow even though the data from this year's list reveals things are still fairly flat in the market.

While the **ACT100** grew to a total capacity of 2,167,070 tons, slightly up from 2,153,751 in 2015, the other categories such as number of branches and number of crawler cranes only grew slightly or remained the same. One red flag was that the number of employees for the **ACT100** actually went down to 33,772 from 37,040 in 2015.

There appeared to be a sell off of smaller

capacity mobile cranes over the past year, and crane companies tended to replace their largest capacity machine with an even larger capacity machine.

For the 11th time, Maxim Crane Works is Number 1 on the **ACT100**, with an **ACT** index of 438,089 U.S. tons. For the first time, Maxim's **ACT** index didn't really grow, although their fleet is still the largest in North America by far.

Number 2 on the list is the ALL Erection Family of Companies posting an index of 178,121, which is also slightly down from their 2015 index. Lampson International moved to Number 3 this year, switching places with Mammoet

RANK 2016	RANK 2015	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
1	1	Maxim Crane Works	USA	31	2,650	Worldwide	Bryan Carlisle, CEO
2	2	ALL Family of Companies (ALL Erection & Crane Rental)	USA	38	1,500	National	Michael L. Liptak, President
3	4	Lampson International	USA	10	300	Worldwide	Bill Lampson, President
4	3	Mammoet North America	USA	24	1,700	Worldwide	Jacques Stoof, U.S. Managing Director
5	7	Bigge Crane and Rigging Company	USA	13	675	National	Weston Settlemier, President/CEO
6	6	TNT Crane & Rigging	USA	40	1,500	National	Mike Appling, CEO
7	5	Essex Rental Corp.	USA	20	250	Worldwide	Nick Matthews, President/CEO
8	9	Barnhart Crane & Rigging	USA	45	1,200	National	Alan Barnhart, CEO
9	8	NCSG Crane and Heavy Haul Services Corp.	Canada	27	1,020	National	Ted Redmond, President/CEO
10	10	Deep South Crane & Rigging	USA	6	600	Worldwide	Mitch Landry, Vice President
11	13	W.O. Grubb Inc.	USA	10	360	National	William O. Grubb, President
12	11	AmQuip Crane Rental	USA	15	500	National	Al Bove, CEO
13	12	J.F. Lomma Inc.	USA	8	185	National	James Lomma, President
14	14	Guay Inc.	Canada	20	500	National	Jean-Marc Baronet, President
15	15	Buckner Heavy Lift Cranes	USA	4	400	National	Doug Williams, President/CEO
16	16	Bragg Crane Service	USA	13	600	Regional	Mike Roy, Executive Vice President
17	18	Sarens North America	USA	9	400	Worldwide	Mike Hussey, Regional Director
18	20	Sterett Crane & Rigging	USA	8	120	National	Jonathan Spong, President
19	17	Sims Crane and Equipment Co.*	USA	11	350	Regional	Dean Sims II, Vice President
20	21	Scott-Macon Equipment	USA	10	200	Worldwide	Robert B. Dimmitt, Executive Vice President
21	22	ML Holdings Company Crane Group	USA	12	425	National	Scott Wilson, President
22	23	Marco Crane & Rigging	USA	6	191	National	Dan Mardian, Jr., President
23	24	Imperial Crane Services	USA	5	250	Worldwide	B.J. Bohne, President/CEO
24	19	Entrec Corporation	Canada	12	500	National	John Stevens, President/CEO
25	29	Mountain Crane Service	USA	5	200	National	Lon Stam, Owner
26	26	Allegiance Crane & Equipment	USA	10	350	Worldwide	James Robertson, President/CEO
27	28	H&E Equipment Services	USA	34	2,029	National	Cary Burr, Senior Vice President
28	25	Utility One Source	USA	18	1,040	National	Fred Ross, President
29	39	Dozier Crane & Machinery	USA	3	33	Worldwide	Dozier Cook, President/Owner
30	31	Beyel Brothers Inc.	USA	5	303	Regional	Joseph D. Beyel, President
31	32	Stevenson Crane Service	USA	3	150	National	Donna Stevenson, President
32	30	The Walsh Group*	USA	1	5,500	National	Judy Pellicano, Vice President, Equipment
33	38	Ring Power Crane	USA	10	80	Worldwide	Dave Glass, Vice President/General Manager
34	35	Circle 8 Cranes	USA	6	208	Regional	Bryan Ericson, President
35	33	Irving Equipment	Canada	12	155	National	Steven Dykeman, Director, Sales/Marketing
36	41	Barcelona Equipment	USA	1	55	Regional	Bob Steiner, President
37	36	Kelley Equipment of Florida Inc.	USA	3	150	Regional	Daniel H. Gold, CEO
38	34	Ness Campbell Crane and Rigging	USA	8	225	Regional	John Anderson, President
39	42	Mr. Crane/Inquipco*	USA	3	130	Regional	Andy Steinberg, CEO
40	48	Digging and Rigging	USA	6	206	Regional	James Gregory, Sr., President
41	44	Burkhalter Rigging	USA	5	200	Worldwide	Brooke Burkhalter, President
42	46	Wagstaff Crane Service	USA	4	95	Regional	Jim Wagstaff/Ron Wagstaff, Owners
43	45	Northwest Crane Service	USA	6	100	National	Andy Hodges, President

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WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
maximcrane.com	2,103	285	Manitowoc 31000	2,535	438,089
allcrane.com	2,002	369	Manitowoc 21000	1,000	178,121
lampsoncrane.com	75	389	Lampson Transi-Lift LTL-3000	3,000	126,468
mammoet.com	602	149	Mammoet PTC 200	5,000	113,502
bigge.com	541	156	Liebherr LR 1750/2	827	102,550
tntcrane.com	560	46	Liebherr LTM 11200-9.1	1,322	75,394
essexrental.com	208	229	Manitowoc 888 Ringer	661	63,465
barnhartcrane.com	422	27	Terex-Demag CC4000 RL	1,760	58,586
ncsg.com	353	50	Liebherr LTM 11200	1,440	55,513
deepsouthcrane.com	208	22	TC-36000 VersaCrane	2,500	48,041
wogrubb.com	248	70	Liebherr LR 1750/2	825	43,450
amquip.com	439	54	Terex CC3800	715	42,720
jflommainc.com	160	86	Manitowoc 18000 w/Maxer	826	42,383
gruesguay.com	411	24	Liebherr LTM 11200-9.1	1,322	36,556
bucknercompanies.com	17	84	Liebherr LR 11000/P1300	1,434	36,528
braggcrane.com	310	27	Liebherr LR 1750/2	825	34,947
sarens.com	128	48	Sarens SGC-120	3,200	33,105
sterettcrane.com	146	41	Terex CC2800-1	660	27,820
sims Crane	257	31	Kobelco SL6000	600	26,672
smequipment.com	475	62	Terex Demag AC140	170	24,402
mlholdingscranegroup.com	184	20	Manitowoc Grove GMK 7550 w/Megawing	550	23,599
marcocrane.com	190	21	Manitowoc Grove GMK 7550 w/megawing	550	21,509
imperialcrane.com	225	15	Liebherr LTM 1500-8.1	600	20,250
entrec.com	190	24	Liebherr LR 1750	826	19,935
mountaincrane.com	115	26	Liebherr LTM 1750-9.1	900	19,770
allegiancecrane.com	125	14	Terex AC500	650	18,209
he-equipment.com	385	0	Manitowoc Grove RT 9150	150	17,325
utility1source.com	305	23	Sany SCC8150	165	16,489
doziercrane.com	67	73	Terex HC275/Kobelco CK2750G	275	16,310
beyel.com	131	39	Terex Demag AC650	750	16,149
stevensoncrane.com	128	26	Manitowoc 18000 w/Maxer	826	14,186
walshgroup.com	87	63	Manitowoc 4100 Ringer	300	13,925
ringpowercrane.com	110	26	Manitowoc 16000	440	13,657
circle8services.com	78	0	Manitowoc Grove GMK 7550	550	12,625
irvingequipment.com	99	20	Liebherr LR 1750	827	12,091
barcelonacrane.com	48	42	Tadano ATF 400G-6	450	11,847
kelleyequipment.com	47	33	Terex Demag AC500-2	600	11,800
nessandcampbell.com	83	1	Liebherr LTM 1500-8.1	600	11,735
mrcrane.com/inquipco.com	72	11	Manitowoc 2250 w/Maxer	550	10,294
digrig.com	84	0	Liebherr LTM 1750-9.1	900	9,799
burkhalter.net	20	18	Liebherr LR 11350 w/P boom	2,000	9,250
wagstaffcrane.com	68	0	Liebherr LTM 1750-9.1	900	9,131
northwestcraneservice.com	24	3	Liebherr LTM 1750-9.1	900	8,515

*ACT estimates

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RANK 2016	RANK 2015	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
44	↕54	Capital City Group	USA	5	125	Regional	Brian Gibson, President/CEO
45	↕47	Fagioli Inc. (USA)	USA	3	50	Worldwide	Edoardo Ascione, President
46	↕51	Transportes y Gruas Auriga SA de C.V.	Mexico	4	200	National	Ana Turrent, Operations Coordinator
47	↕49	Southwest Industrial Rigging	USA	4	170	National	Mike Madge, Vice President
48	↕58	Scott Powerline and Utility Equipment	USA	2	51	National	Jeffrey Johnson, Executive Vice President/COO
49	↕52	R.H. Marlin Inc.*	USA	1	75	Regional	Joe Fox, Owner
50	↕59	CraneWorks Inc.	USA	3	120	Regional	Tom Yeilding, Vice President Operations
51	↕57	Thackray Crane Rental	USA	5	135	Regional	Mark Thackray, Operations/Safety Director
52	↕60	Chellino Crane Inc.	USA	1	90	National	Greg Chellino, President
53	NEW	Erickson's Inc.	USA	3	60	National	Steve Erickson, President
54	↕55	Edwards Inc.*	USA	5	425	Regional	Forrest Boone, Vice President
55	↕56	Guy M. Turner*	USA	12	350	Worldwide	Jimmy D. Clark, PE President
56	↕53	Wanzek Construction Inc.	USA	2	800	National	Kevin McCrory, Crane Operations Manager
57	↕61	Clark Rigging & Rental Corp.	USA	3	58	Regional	David F. Clark, President
58	↕50	Blue Hat Crane	USA	4	65	National	Florian Rothbrust, Sr. Vice President
59	↕69	Ideal Crane Rental	USA	4	80	Regional	Robert Kalhagen, President
60	↕67	Hill Crane Service	USA	2	75	Regional	Ronald Hill, Vice President
61	↕64	Viant Crane	USA	2	20	Regional	David Lemke, President/COO
62	↕66	Big B Crane*	USA	2	55	Regional	Daniel Basden, President
63	↕68	Budrovich Contracting	USA	3	100	Regional	Eric Struckhoff, Senior Vice President
64	↕65	Giuffre Bros. Cranes Inc.	USA	5	34	Worldwide	Todd Proctor, Sales Manager
65	↕70	Alamo Crane Service Inc.	USA	2	72	Regional	Marvin Ohlenbusch, COO
66	↕63	Kirby-Smith Machinery	USA	10	375	Regional	Ben Graham, Vice President
67	↕71	Vic's Crane & Heavy Haul Inc.*	USA	2	80	Regional	Tim Harty, Operations Vice President
68	NEW	AxisCrane	USA	3	65	Regional	Travis Wilt, President
69	↕75	Connelly Crane Rental Corp.	USA	3	62	National	Michael Connelly, President
70	↕74	J J Curran Crane	USA	1	40	Regional	Larry Curran, President
71	↕72	JPW Riggers	USA	1	150	National	Dave Schwalm, Executive Vice President
72	↕73	Deep South Crane Rentals*	USA	2	43	Regional	James H. White, President
73	↕76	Alliance Riggers & Constructors	USA	1	50	Regional	Phillip H. Cordova, CEO/General Manager
74	NEW	Rocky Mountain Crane Service Inc.	USA	3	13	Regional	Luke Sustrich, Manager
75	↕77	Crane Service Company	USA	5	102	National	Brian Mazzella, Vice President
76	NEW	G.A. West & Co. Inc.	USA	3	900	National	Gary A. West, President
77	↕78	Crane Works Rentals	USA	2	5	National	Keith Ayers, CEO
78	↕80	AME Online	USA	4	175	Regional	Mike Davis, Vice President
79	↕81	Nixon-Egli Equipment Co.*	USA	2	73	Regional	James Nixon, COO
80	NEW	JK Crane	USA	3	20	Regional	Jennifer Gabel, Owner
81	↕100	A-Quick Pick Crane Service	USA	1	40	Regional	George Schrade, President
82	↕86	Taylor Crane & Rigging	USA	2	82	National	Jim C. Taylor, Jr., President
83	↕84	I.B. Dickinson & Sons	USA	3	40	Regional	Donald Dickinson, President
84	↕83	LaGrange Crane Service*	USA	1	30	Regional	Judith Mooncotch, President
85	↕82	Anglemyer Crane	USA	1	35	Regional	John Anglemyer, Secretary/Treasurer
86	↕85	Southern Crane	USA	2	40	Regional	Earl Johnson III, President
87	NEW	Atlas Crane Service Inc.	USA	2	23	Regional	Zach Prentis, President
88	↕91	Benchley Contracting & Rental Corp.	USA	2	10	Regional	Andrew and Brian Benchley, Vice Presidents

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WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
ccgroup-inc.com	82	16	Manitowoc Grove GMK 7550	550	8,459
fagioli.com	12	8	Liebherr LR 11350	1,500	8,300
auriga.mx	50	10	Manitowoc 18000 w/Maxer	826	8,170
swirusa.com	70	4	Manitowoc Grove GMK 7550	550	8,156
scottpowerline.com	121	78	Tadano Mantis GTC-1200	130	7,192
rhmarlin.com	65	15	Manitowoc Grove GMK 7550	550	7,000
craneworks.com	146	1	Terex Demag AC-350	400	6,905
thackraycrane.com	133	7	Liebherr LTM 1400-7.1	500	6,806
chellinocrane.com	110	15	Manitowoc 18000	800	6,699
ericksonsgcr.com	25	9	Liebherr LTM 1750	825	6,544
edwardsinc.com	85	0	Terex Demag AC 500-2	600	6,450
guyturner.com	58	3	Liebherr LTM 1400-7.1 w Y Guide	500	6,339
wanzek.com	19	15	Terex Demag CC2800-1	660	6,263
clarkrigging.com	63	3	Terex Demag AC500-2	600	6,073
bluehatcrane.com	22	13	Manitowoc 2250 S3	330	5,356
idealcranerental.com	63	0	Manitowoc Grove GMK 6350	350	5,130
hillcrane.com	37	0	Liebherr LTM 1400-7.1	500	5,086
viantcrane.com	33	10	Manitowoc MLC300 with VPC MAX	330	5,042
bigbcrane.com	17	25	Kobelco CK2500	250	4,980
budrovich.com	52	5	Manitowoc Grove GMK 7550	550	4,911
giuffre.com	209	0	Liebherr LTM 1090/2	110	4,900
alamocrane.com	38	1	Liebherr LTM 1400-7.1	500	4,893
kirby-smith.com	95	5	Manitowoc Grove RT 9130E	130	4,828
vicscrane.com	30	4	Terex Demag CC2500-1	550	4,520
axiscrane.com	18	5	Grove GMK 7550/Liebherr LR 1400/2 NT	550	4,312
connellycrane.com	50	9	Liebherr LTM 1300-1	360	4,268
jjcurran.com	53	0	Manitowoc Grove GMK 6400	450	4,250
jpwcompanies.com	20	5	Terex Demag AC500-2	600	4,150
deepsouthcranes.com	45	2	Terex Demag AC500-2	600	4,000
allianceriggers.com	29	6	Liebherr LR1300	330	3,700
rockymountaincrane.com	13	0	Liebherr LTM 1800	1,000	3,640
craneserviceco.com	27	2	Manitowoc Grove GMK 7550	550	3,410
gawest.com	20	10	Manitowoc 16000 with Maxer	440	3,287
crane-works.com	70	1	Link-Belt RTC-80130	130	3,200
ameonline.com	34	0	Manitowoc Grove GMK 7550	550	2,718
nixon-egli.com	27	2	Link-Belt 218 HSL	150	2,421
jkcrane.com	14	2	Manitowoc Grove GMK 7550	550	2,305
aquickpickcrane.com	26	1	Liebherr 1350 6.1	400	2,233
taylorcrane.com	22	2	Liebherr LTM 1220-5.2	265	2,164
ibdickinson.com	17	0	Liebherr LTM 1400-7.1	500	2,126
lagrangecrane.com	19	0	Manitowoc Grove GMK 7550	550	2,105
anglemyercrane.com	27	1	Manitowoc Grove GMK 6350	350	2,050
southern-crane.com	17	0	Liebherr LTM 1200-5.1	240	1,779
atlascraneserviceinc.com	14	0	Liebherr LTM 1300-6.2	360	1,430
benchleycrane.com	10	0	Liebherr LTM 1350-6.1	400	1,366

*ACT estimates

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RANK 2016	RANK 2015	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
89	88	L&L Construction Inc.*	USA	1	36	Regional	Keith Schreier, Vice President
90	89	Mansfield Crane Service Corp.	USA	3	20	Regional	Trapper Wyman, President
91	93	Jcrane	USA	1	22	Regional	Jack Stull, President
92	94	Waggoner Equipment Rental	USA	1	32	Regional	Alana Yount, Operations Manager
93	92	Limehouse & Sons Cranes Inc.*	USA	1	55	Regional	Lawton Limehouse, Owner
94	90	Industrial Truck & Crane Inc.	USA	1	20	Regional	Soni Graff, President
95	97	Zartman Industrial Services	USA	1	120	Regional	Timothy Clark, VP Operations
96	95	Runnion Equipment Company*	USA	2	26	Regional	Patrick Runnion, President
97	98	PSC Crane & Rigging Inc.	USA	4	150	Regional	Randy Sever, Executive Vice President
98	NEW	Patriot Crane & Rigging	USA	1	26	Regional	Cody Olsen, Scott Shamburg, Owners
99	99	Dura Crane	USA	1	12	Regional	Gregg Duralia, President
100	NEW	Crane Operators Certification and Inspection Inc.	USA	1	5	Regional	Steve Reynolds, President
				694	33,772		

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North America. Bigge Crane & Rigging jumped two spaces to round out the top five. Essex Rental Corp. dropped out of the top five to Number 7, with their index decreasing from 96,105 in 2015 to 63,465 in 2016. The company divested of almost 150 mobile cranes and close to 10 crawler cranes according to our survey.

The 2016 ACT 100 welcomes eight

new companies to the list, with Erickson's Inc. entering in at Number 53, Axis Crane coming in at 68, Rocky Mountain Crane coming in at 74 and G.A. West & Company making the list at Number 76. JK Crane entered the ACT 100 at Number 80, Atlas Crane came in at Number 87, Patriot Crane & Rigging came in at 90 and Crane Operators Certification and Inspecting rounding out the newcomers at Number 100 on the ACT 100.

The wave of mergers and acquisitions continues to make ripples in the ACT 100. A few smaller companies have been acquired by the likes of TNT Crane & Rigging, Maxim and Barnhart, to name a few. Assuming the merger goes through, next year AmQuip and Maxim will be united as one company. It has not been determined if they will choose to be



Top 10 Largest crawler fleets

RANK 2016	COMPANY NAME	WEBSITE	CRAWLER FLEET
1	4 Lampson International	www.lampsoncrane.com	379
2	2 ALL Family of Companies	www.allcrane.com	369
3	1 Maxim Crane Works	www.maximcrane.com	285
4	7 Essex Rental Corp.	www.essexrental.com	229
5	5 Bigge Crane and Rigging Co.	www.bigge.com	156
6	3 Mammoet North America	www.mammoet.com	149
7	13 J.F. Lomma Inc.	www.jflommainc.com	86
8	15 Buckner Heavy Lift Cranes	www.bucknercompanies.com	84
9	48 Scott Powerline and Utility Equipment	www.scottpowerline.com	78
10	29 Dozier Crane & Machinery Inc.	www.doziercrane.com	73

WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
landconstructioninc.net	10	3	Tadano ATF 220G-5	250	1,251
mansfieldcrane.com	8	0	Manitowoc Grove GMK 5275	275	1,200
jcrane.com	10	0	Manitowoc Grove GMK 5275	275	1,168
waggonerequipment.com	27	0	Manitowoc Grove RT9130E	130	1,112
limehousesons.com	16	0	Manitowoc Grove GMK 5210	210	1,081
itccrane.com	15	0	Manitowoc Grove GMK 6300L	350	1,045
zartman.com	12	0	Manitowoc Grove GMK 5225	225	862
runnioneequipment.com	52	0	Manitex 5096 S	50	800
pscind.com	11	0	Manitowoc Grove 5165-2	165	750
patriotserviceinc.com	6	0	Link-Belt 3275	275	556
duracrane.com	6	0	Manitowoc Grove GMK 5275	275	525
	3	1	American AC50	50	92
	14,913	3,046		2,167,070	

*ACT estimates



listed as two separate entities or one. Gainers of two spots or more in the top 50 on the list include Bigge Crane & Rigging, W.O. Grubb, Sterett Crane & Rigging, ML Holdings Company Crane Group, Mountain Crane Service, Dozier Crane & Machinery, Ring Power Crane, Digging and Rigging Inc., Wagstaff Crane Service, Northwest Crane Service, Capital City Group, Fagioli USA, Transportes y Gruas Auriga, Southwest Industrial Rigging, Scott Powerline and Utility Equipment and CraneWorks Inc. No companies made substantial drops on the **ACT100**. The largest crawler crane fleet in North America still belongs to Lampson International with 379 of these heavy lifters. The company with the largest mobile crane fleet is Maxim Crane Works, with

2,103 mobile cranes, followed by ALL Erection with 2,002 mobile cranes in its fleet. The largest crane on the **ACT100** is Mammoet's 5,000-ton capacity PTC 200 DS. Other heavy lift cranes on the list are the 3,200-ton capacity Sarens SGC-120, the 3,000-ton capacity Lampson LTL-3000 and the 2,500-ton TC-36000 Versa Crane owned by Deep South Crane & Rigging. For the first time the Manitowoc 31000 made the list with Maxim Crane Works purchasing the unit shortly after its acquisition of Crane Rental Corporation in Orlando. In terms of the most popular cranes in the category of largest crane in fleet, the Manitowoc brand ranks highest. There are 39 Manitowoc or Manitowoc Grove branded cranes on the list and 32 Liebherr branded cranes listed as the largest crane in fleet. There were 15 Terex/Demag models, three Tadanos, three Kobelcos, two Link-Belts, one Sany and one Manitex. The most popular crane is the Manitowoc Grove 7550 with 12 companies reporting it as the largest crane in their fleet.

Top 10 Largest mobile fleets

RANK 2016	COMPANY NAME	WEBSITE	MOBILE FLEET
1	Maxim Crane Works	www.maximcrane.com	2,103
2	ALL Family of Companies	www.allcrane.com	2,002
3	Mammoet North America	www.mammoet.com	602
4	TNT Crane & Rigging	www.tntcrane.com	560
5	Bigge Crane and Rigging Co.	www.bigge.com	541
6	Scott-Macon Equipment	www.smequipment.com	475
7	AmQuip Crane Rental	www.amquip.com	439
8	Barnhart Crane & Rigging	www.barnhartcrane.com	422
9	Guay Inc.	www.gruesguay.com	411
10	H&E Equipment Services	www.he-equipment.com	385

Our methodology
For the **ACT100**, we sent surveys to close to 500 companies in the U.S., Canada and Mexico. While the **ACT100** is much more comprehensive than it was when we started it 11 years ago, we realize there are probably 10 to 15 major crane-owning companies not on our list.

Some companies do not want to share information about their fleets, and we respect their decision.

There is an asterisk by some companies. For these companies, we didn't necessarily get updated information and instead relied on an estimate formula based on data obtained last year and through other sources. All the companies were contacted, some several times, and given the opportunity to supply fleet information and related data.

Because the vast majority of crane-

owning companies are privately held, it can be difficult to obtain and verify figures, although we do approach independent industry sources for

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

Disclaimer

We rely on the integrity of the companies that participate, 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. ■

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.

Top 10 Largest cranes

RANK 2016	COMPANY NAME	LARGEST CRANE	CAPACITY	
1	3	Mammoet North America	Mammoet PTC 200	5,000
2	17	Sarens North America	Sarens SGC-120	3,200
3	4	Lampson International	Lampson Transi-Lift LTL-3000	3,000
4	1	Maxim Crane Works	Manitowoc 31000	2,535
5	10	Deep South Crane & Rigging	TC-36000 VersaCrane	2,500
6	41	Burkhalter Rigging	Liebherr LR 11350 w/P boom	2,000
7	8	Barnhart Crane & Rigging	Terex Demag CC4000 RL	1,760
8	45	Fagioli Inc. (USA)	Liebherr LR 11350	1,500
9	9	NCSG Crane and Heavy Haul Services Corp.	Liebherr LTM 11200	1,440
10	15	Buckner Heavy Lift Cranes	Liebherr LR 11000/P1300	1,434

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The big 50!

ACT's annual TRANSPORT50 ranking of North America's largest specialized transportation companies shows modest growth in most categories and a record number of newcomers.



BY THE NUMBERS

TOTAL FLEET SIZE:
48,717

TOTAL CAPACITY:
1,247,168 (U.S. tons)

TOTAL NUMBER OF TRUCK/TRACTORS:
20,360

TOTAL NUMBER OF EMPLOYEES:
24,030

TOTAL NUMBER OF TERMINALS:
603

TOTAL CAPACITY OF MODULAR/HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET:
418,909 (U.S. tons)

TOTAL NUMBER OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI-AXLE UNITS) IN FLEET:
18,012

TOTAL CAPACITY OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI-AXLE UNITS) IN FLEET:
655,006

Landstar Transportation Logistics, based in Jacksonville, FL, has held on to its place at the top of the **ACTTRANSPORT50** by a wide margin in terms of fleet size. However, Landstar saw a slight decrease in both fleet size and capacity this year. The company posted a total capacity of 108,990 and a fleet size of 12,651 for 2016. Last year Landstar posted a total capacity of 109,315 U.S. tons and a fleet of 13,047. Still Landstar's fleet size and capacity is more than twice that of No. 2 Daseke.

Daseke Inc. was a newcomer to the list in 2014 and debuted at No. 2, where it stayed in 2015 and 2016. Since acquiring Lone Star Transportation in 2014, the company

has been in a growth mode. In 2014 Daseke posted a total fleet of 4,734 and a total capacity of 36,548. In 2015, Daseke showed a fleet of 5,249 and a total capacity of 42,290. This year, Daseke posted a fleet size of 5,318 and a total capacity of 43,240, modest gains but still growth.

This year saw very little change in the ranking of the top 10 firms, with only Maxim Crane Works jumping to 7 from 8 in 2015. Maxim's growth can likely be attributed to its acquisition in 2016 of AmQuip Crane Rental. As well, last year's acquisition of Crane Rental Corp. has given Maxim the ability to add heavy haul to its list of services. In 2015 Maxim posted a total capacity of 27,175 tons and a fleet size of 1,347. This year the company showed a capacity of 33,345 tons and a fleet size of 1,647.

Seven newcomers

The biggest news for the **ACTTRANSPORT50** is the seven newcomers to the list, most that are in the bottom 25 of the ranking but listed all the same. Newcomers include ALE North America, W.O. Grubb Crane Rental, Marco Crane & Rigging, Silk Road Transport, Taylor Crane & Rigging, Great Lakes Heavy Haul and Perkins STC.

In terms of scope of business, most companies determined that they do business either nationally



RANK	COMPANY NAME	HEADQUARTERS	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT	WEBSITE
1	Landstar Transportation Logistics	Jacksonville, FL	2	International	1,200	Rusty Cody, vice president	www.landstar.com
2	Daseke Inc.	Addison, TX	47	International	2,949	Don Daseke, CEO/chairman	daseke.com
3	ATS Specialized	St. Cloud, MN	16	National	1,321	Gary Stang, vice president, general manager	www.atsinc.com
4	Challenger Motor Freight*	Cambridge, Ontario	5	International	2,200	David Einwechter, general manager	
5	All Erection & Crane Rental	Cleveland, OH	37	International	1,500	Michael L. Liptak, president	www.allcrane.com
6	Mammoet North America	Rosharon, TX/ Edmonton AB, Canada	21	International	1,700	Jan Kleijn, CEO	www.mammoet.com
7	Maxim Crane Works	Bridgeville, PA	47	National	1,450	Frank Bardonaro, COO	maximcrane.com
8	Bennett Motor Express	McDonough, GA	115	International	320	David Lowry, CEO	www.bennettig.com
9	Bigge Crane & Rigging	San Leandro, CA	10	National	650	Weston Settlemier, president/CEO	www.bigge.com
10	Combined Transport Inc.	Central Point, OR	1	International	578	Michael S. Card, president	www.combinedtransport.com
11	Barnhart Crane & Rigging	Memphis, TN	45	National	1,200	Alan Barnhart, CEO	www.barnhartcrane.com
12	Deep South Crane & Rigging	Baton Rouge, LA	6	International	600	Mitch Landry, vice president	www.deepsouthcrane.com
13	NCSG Crane & Heavy Haul*	Acheson, Alberta Canada	27	International	1,000	Ted Redmond, president/CEO	www.ncsg.com
14	ALE	Houston, TX	38	International	1,850	Mark Harries, Global Managing Director	www.ale-heavylift.com
15	Daily Express	Carlisle, PA	8	International	148	Mark Eyer, vice president, operations	www.dailyexp.com
16	Emmert International	Clackamas, OR	4	International	125	Terry W. Emmert, president	www.emmertintl.com
17	Entrec Corporation	Acheson, Alberta Canada	11	International	625	John M. Stevens, president/CEO	www.entrec.com
18	Sterett Crane & Rigging	Evansville, IN	7	National	62	Jonathan Spong, president, heavy haul	sterettheavyhauling.com
19	Sarens North America*	San Ramon, CA	10	International	325	Mike Hussey, regional director, North America	www.sarens.com
20	Fagioli USA	Manvel, TX	2	International	60	Edoardo Ascione, president	www.fagioli.com
21	Transport Bellemare International	Tross-Rivieres, Quebec City, Canada	7	International	675	Jean-Luc Bellemare, president	www.transportbellemare.com
22	Tradelossa	Durango, DGO, Mexico	6	International	225	Carlos Carcamo, commercial manager	www.tradelossa.com
23	Miller Transfer	Rootstown, OH	18	International	80	Mitchell J. Unger, president	www.millertransfer.com
24	Heavy Transport/Bragg	Long Beach, CA	9	National	200	Robert Weyers, general manager	www.braggcrane.com
25	Lampson International	Kennewick, WA	9	International	300	William Lampson, president/CEO	www.lampsoncrane.com
26	W.O. Grubb Crane Rental	Richmond, VA	10	National	375	William O. Grubb, president/owner	www.wogrubb.com
27	Edwards Moving & Rigging	Shelbyville, KY	5	International	125	Mark Edwards, CEO	www.edwardsmoving.com
28	Burkhalter	Columbus, MS	4	International	200	Brooke Burkhalter, president	www.burkhalter.net
29	Berard Transportation*	New Iberia, LA	5	National	65	Brett Berard, vice president, operations	www.berardtrans.com
30	Southwest Industrial Rigging	Phoenix, AZ	4	International	180	Mike Madge, vice president	www.swirusa.com
31	MSA Delivery Services	Canton, MI	6	National	75	Jerry Rozum, president	www.msadelivery.com
32	Trans-United Inc.	Burns Harbor, IN	18	National	125	Jeffrey S. Fleming, president/CEO	www.transunited.com
33	Midwest Specialized Transportation	Rochester, MN	2	National	85	Sean Claton, vice president/ general manager	www.midspec.com
34	Erickson's	North Muskegon, MI	3	National	65	Steve Erickson, president	www.ericksonsg.com

* ACT estimate

MODULAR/HYDRAULIC/TRAILERS/DOLLIES		SPECIALIZED TRAILERS (ALL MULTI-AXLE)		# OF TRUCK/ TRACTORS	TOTAL CAPACITY (US TONS)	TOTAL # IN FLEET
CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
990	15	108,000	3,126	9,510	108,990	12,651
0	0	43,240	2,297	3,021	43,240	5,318
16,735	269	71,930	1,880	919	88,665	3,068
0	0		180	1,500	79,785	3,000
1,905	40	66,561	1,905	381	68,466	2,326
47,857	1,440	104,012	401	130	151,869	1,971
5,432	229	27,913	1,108	350	33,345	1,687
1,240	18	38,236	759	913	39,476	1,672
31,297	773	12,069	251	65	43,366	1,089
12,500	175	11,340	252	645	23,840	1,072
18,929	491	30,734	543	294	49,663	932
14,627	377	16,338	446	77	30,965	900
13,202	347	16,178	379	162	13,202	888
39,818	808	602	4	17	40,420	829
1,165	16	21,965	502	288	23,130	790
24,775	557	9,850	113	89	34,625	759
11,678	292	10,219	183	213	21,897	688
14,245	318	10,178	276	73	24,423	667
20,527	517	2,080	65	22	22,607	604
22,856	594	0	0	0	22,856	594
7,588	48	14,560	336	185	22,148	569
10,906	257	8,017	169	141	18,923	565
0	0	15,010	367	165	15,010	532
15,400	175	7,700	246	110	23,100	531
14,006	372	1,957	63	30	15,963	465
4,140	92	6,346	242	87	10,486	421
17,051	315	8,196	153	27	25,247	400
7,500	176	6,353	96	45	13,853	317
9,832	204	1,785	33	35	11,617	272
3,133	72	6,200	130	81	9,333	228
0	0	22,705	165	60	22,705	225
1,980	32	4,155	98	80	6,135	210
0	0	4,480	122	80	4,480	202
5,245	43	4,425	103	43	9,670	189

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

* ACT estimate

RANK	COMPANY NAME	HEADQUARTERS	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT	WEBSITE
35	McTyre Trucking	Orlando, FL	2	National	57	John H. McTyre, Jr., COO	www.mctyretrucking.com
36	Transtel/Transportes Tellería*	Santa Julia, Mexico	1	International	90	Guillermo Arce Arteaga, vice president	www.transtell.com.mx
37	Marco Crane & Rigging	Phoenix, AZ	6	National	225	Rick Edgell	www.marcoocrane.com
38	American Heavy Moving	Chino, CA	2	National	24	Kirk Martin, vice president, sales	www.americanheavymoving.com
39=	WL Byers Trucking Inc.	Wampum, PA 16157	1	National	45	David and George Byers, owners	www.byersheavyhaul.com
39=	Omega Morgan	Hillsboro, OR	6	International	250	Troy Tallent, vice president, operations	www.omegamorgan.com
41	Northwest Logistics Heavy Haul	Oklahoma City, OK	1	International	60	Johnny Mefferd, operations manager	www.northwestheavyhaul.com
42=	Intermountain Rigging*	Salt Lake City, UT	2	National	90	Ron Montgomery, president	www.intermountainrigging.com
42=	Yarbrough Transfer Company	Winston-Salem, NC	3	Regional	72	David Yarbrough, president	www.yarbroughtransfer.com
44	Silk Road Transport	Arkport, NY	1	International	45	Todd S. Haraty, COO	www.silkroadtrans.com
45	Precision Heavy Haul	Tolleson, AZ	2	National	20	Mike Poppe, president	www.precisionheavyhaul.com
46	Taylor Crane & Rigging	Coffeyville, KS	2	National	84	Jim C. Taylor Jr., president	www.taylorcrane.com
47	Selinsky Force	North Canton, OH	4	National	225	Jim Chapman, president/CEO	www.selinskyforce.com
48	Great Lakes Heavy Haul	Byron Center, MI	1	National		Ben Mayer, chief operating officer	www.greatlakesHH.com
49	Mountain Heavy Transport	Salt Lake City, UT	2	National	19	Ryan Oliverson, manager	www.mountainheavy.com
50	Perkins STC	Northfield, MN	3	International	56	John Ehr, CEO	www.perkinsstc.com

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MODULAR/HYDRAULIC/TRAILERS/DOLLIES		SPECIALIZED TRAILERS (ALL MULTI-AXLE)		# OF TRUCK/ TRACTORS	TOTAL CAPACITY (US TONS)	TOTAL # IN FLEET
CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
1,560	27	6,465	113	45	8,025	185
5,910	126	850	21	36	6,760	183
800	20	3,650	135	40	4,450	179
4,328	116	2,136	26	23	6,464	165
40	3,150	5,210	86	33	8,360	154
2,040	46	3,245	66	42	5,285	154
2,365	18	5,121	87	52	6,510	145
1,425	37	4,100	58	46	5,525	141
0	0	3,786	87	54	3,786	141
1,150	30	2,040	80	25	3,190	135
504	14	5,553	98	15	6,057	127
1,384	13	1,505	65	29	2,279	107
800	24	1,215	30	22	2,015	76
135	3	1,430	34	25	1,565	62
1,300	10	1,385	35	13	2,685	55
0	0	2,952	19	22	2,952	41

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Top 10 capacity (US tons)

RANK	COMPANY NAME	TOTAL CAPACITY
1	6 Mammoet North America	151,869
2	1 Landstar Transportation Logistics	108,990
3	3 ATS Specialized	88,665
4	4 Challenger Motor Freight*	79,785
5	5 All Erection & Crane Rental	68,466
6	11 Barnhart Crane & Rigging	49,663
7	9 Bigge Crane & Rigging	43,366
8	2 Daseke Inc.	43,240
9	14 ALE	40,420
10	8 Bennett Motor Express	39,476

Top 10 employers

RANK	COMPANY NAME	# OF EMPLOYEES
1	2 Daseke Inc.	2,949
2	4 Challenger Motor Freight*	2,200
3	14 ALE	1,850
4	6 Mammoet North America	1,700
5	5 All Erection & Crane Rental	1,500
6	7 Maxim Crane Works	1,450
7	3 ATS Specialized	1,321
=8	1 Landstar Transportation Logistics	1,200
=8	11 Barnhart Crane & Rigging	1,200
10	13 NCSG Crane & Heavy Haul*	1,000

or internationally. This year's **ACTTRANSPORT50** includes 26 companies that do business on an international basis, 23 that do business throughout the United States and one that claimed to be a regional player.

Analyzing the 2015 list, we can surmise that most companies in the top 20 added equipment and capacity over the past year. Employee counts have been relatively flat and the **ACTTRANSPORT50** employee totals only grew from 23,356 in 2015 to 24,030 in 2016. Also, it is likely that most employee growth has come from acquisitions rather than true new hires.

There has been sustained, modest growth in almost every category in the **ACTTRANSPORT50**. 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. Newcomer Silk Road Transport, at Number 44 is a specialist in moving rail cars, trollies and transit trains as well as brewery casks. Taylor Crane & Rigging has a small but new fleet of specialized moving equipment and trailers.

For comparison, the total capacity of the **ACTTRANSPORT50** in 2016 is

1,247,168, compared to 1,088,864 in 2015. The total fleet size in 2016 is 48,681 as compared to 49,193 in 2015, a small dip. The number of truck/tractors in 2016 is 20,360 as compared to 20,629 in 2015.

Methodology

While most of the major players in the North American specialized transportation sector are on the our **ACTTRANSPORT50** list, we realize there are some companies missing. Our **ACT** team makes a huge effort to reach out to as many companies as possible to fill out our survey forms.

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, e-mail and e-cast.

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

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SPECIALIZED LIFTING 50

Jumping up

ACT's 2016 **SPECIALIZED LIFTING 50** shows growth in every category. **D. Ann Shiffler** reports.

Bigge Crane & Rigging used its custom designed 3,200-ton capacity lifting structure known as the Bigge Lift Tower System to upend and set a 950-ton hydrocracker reactor.



BY THE NUMBERS

- The companies represented in the **SPECIALIZED LIFTING 50** employ approximately **9,914** people.
- **532** gantries and rubber tired gantries are owned by these companies, as compared to 425 in 2015.
- **876** strand jack units are owned by the **SPECIALIZED LIFTING 50**, as compared to 833 in 2015.
- **4,977** pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these companies as compared to 4,304 in 2015.
- The total capacity of every unit owned by every company on the list equals **1,251,422** tons. The total last year was 998,234 tons.

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	19,200	357,000
2	Fagioli USA	Fagioli Elevator System	8,000	218,000
3	Wolfe House Movers	Unified Jacking System	7,200	12,000
4	Omega Morgan	Heavy Skid System	6,000	8,120
5	Barnhart Crane & Rigging	Barnhart Modular Lift Tower	5,000	270,437
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	80,250
9	Bigge Crane & Rigging	Bigge LTS Lift Tower System	3,200	69,940
10	Lampson International	E-Z Lift	2,400	13,500

Aggregating the most influential players in the specialized lifting sector is a task our ACT team has been challenged with since 2011. The **SPECIALIZED LIFTING 50** added four companies in 2016, and many of the larger companies grew their fleets. This year we posted an index of 1,251,422, gaining 253,188 tons over the 2015 index of 998,234.

RANK 2016	RANK 2015	NAME OF COMPANY	LOCATION	# OF DEPOTS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	↗3	Mammoet North America	USA	24	Worldwide	1,500	Jelmar de Vries, managing director
2	↗1	Barnhart Crane & Rigging	USA	43	National	1,400	Alan Barnhart, CEO
3	↗2	Fagioli USA	USA	1	Worldwide	50	Edoardo Ascione, president
4	↗4	Emmert International	USA	4	Worldwide	110	Terry W. Emmert, president
5	↗5	Bigge Crane & Rigging	USA	15	Worldwide	350	Weston Settlemier, president
6	↗6	Edwards Moving & Rigging	USA	9	Worldwide	110	Mark Edwards, CEO
7	↗7	Burkhalter	USA	5	Worldwide	200	Brooke Burkhalter, president
8	↗8	George Young Group*	USA	2	National	77	George S. Young, president
9	↗9	Lampson International	USA	9	Worldwide	300	Bill Lampson, president, CEO
10	new	Ericksons	USA	3	Regional	70	Steve Erickson, president
11	↗11	Wolfe House Movers	USA	4	Worldwide	40	Jamin Buckingham, management
12	↗12	Deep South Crane & Rigging*	USA	6	Worldwide	500	Mitch Landry, vice president
13	↗15	Rigging Gear Sales, Inc.	USA	1	Worldwide	16	Ben Forster, general manager
14	↗13	Berard Transportation	USA	4	National	65	Brett Berard, vice president
15	↗14	International Industrial Contracting Corporation	USA	4	National	300	Randall L. Goddard, vice president
16	↗10	Omega Morgan	USA	6	Worldwide	250	Troy Tallent, vice president, operations
17	↗17	Taylor Crane & Rigging	USA	2	National	96	Jim C. Taylor, Jr., president
18	↗18	Norris Brothers Co.*	USA	1	Regional	65	Bernard E. Weir Jr., chairman
19	↗19	Advance Rigging & Machinery Movers	USA	1	Regional	25	Matthew Hinty, president
20	↗20	Duffy Crane & Hauling*	USA	1	Regional	50	Jeffrey L. Cummings, president
21	new	IRM Industry Movers	Mexico	2	Worldwide	45	David Gonzalez, president/CEO
22	↗22	Atlas Industrial Contractors*	USA	7	Worldwide	350	Randy Goddard, executive vice president
23	↗35	Southwest Industrial Rigging	USA	5	Worldwide	175	Mike Madge, Vice President
24	↗21	TNT Crane & Rigging	USA	39	National	1,500	Eddie Roberts, general manager
25	↗26	PSC Crane & Rigging	USA	4	National	150	Randy Sever, executive vice president
26	↗23	Transtell SA de CV	Mexico	2	Worldwide	100	Karla Lopez, marketing
27	↗24	AME Inc.	USA	5	Worldwide	165	Scott Walker, general manager
28	new	Mid-Atlantic Lift Systems	USA	1	National	4	Travis Hall, president
29	↗27	Selinsky Force	USA	4	Regional	250	Jim Chapman, president/CEO
30	↗28	NC Services Group*	Canada	13	National	450	Ted Redmond, president, CEO
31	new	Williams Steel Erection Company	USA	1	Regional	150	Mike Parker, operations manager
32	↗29	Maxim Crane Works/ Crane Rental Corporation	USA	4	National	111	Alan Ashlock, president
33	↗30	Process Group Inc.	Canada	3	Canada	275	Bryan Snyder, vice president, construction
34	↗25	Southwestern Industrial Contractors and Riggers*	USA	1	Worldwide	46	Kimberly Garcia, vice president, administration
35	↗31	Riggers Group	Mexico	3	Worldwide	51	Carlos Armando Torres Dávila, CEO
36	↗32	CSE Inc.*	USA	5	National	250	Lisa Moon Stinnette, CEO
37	↗33	Intermountain Rigging & Heavy Haul*	USA	1	National	100	Ron Montgomery, president, heavy haul
38	↗34	Holland Moving & Rigging	USA	1	Worldwide	18	Chris Holland, president
39	↗16	Energy Transportation Inc.	USA	1	National	150	Billy Meade, operations manager

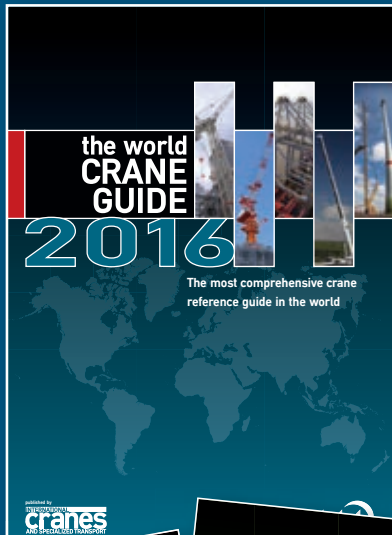
9,914

* estimated

WEBSITE	# OF RUBBER TIERED 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	299	157	Mammoet Lift System	19,200	357,000
www.barnhartcrane.com	0	72	737	18	Barnhart Modular Lift Tower	5,000	270,437
www.fagioli.com	0	20	81	596	Fagioli Elevator System	8,000	218,000
www.emmertintl.com	1	4	1,047	4	Emmert Lift System	3,250	80,250
www.bigge.com	0	15	198	42	Bigge LTS Lift Tower System	3,200	69,940
www.edwardsmoving.com	0	12	560	4	Hydrospec Strand Jack System	800	60,407
www.burkhalter.net	0	5	60	14	Enerpac EP5000 Jacking System	3,527	21,500
www.gyco.us	0	22	153	0	4 Point Lift Systems Model 34PT5400 Hydraulic Gantry	500	15,756
www.lampsoncrane.com	0	4	8	0	E-Z Lift 2400	2,400	13,500
www.ericksonsg.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.deepsouthcrane.com	1	3	20	6	Hydrospec Strand Jack System	2,200	11,960
www.rgsinc.net	0	116	204	0	Lift Systems HH1000	1,000	11,358
www.berardtrans.com	0	0	7	4	Enerpac Syncrolift	4,000	11,080
www.iiccosa.com	0	36	525	0	Riggers Manufacturing EZ604	600	9,660
www.omegamorgan.com	0	6	18	0	Heavy Skid System	6,000	8,120
www.taylorcrane.com	1	8	158	0	EZ Lifter 640	600	6,907
www.norrisbr.com	0	3	13	0		125	6,695
www.advanced-rigging.com	1	10	125	0	Lift Systems 44A	400	5,200
www.duffycrane.com	0	1	20	0			5,000
www.irmindustrial.com	0	2	78	0	J&R Engineering Lift N Lock Gantry	500	4,800
www.atlascos.com	0	3	89	4	Atlas Tower Lifting System	800	4,400
www.swirusa.com	0	4	40	0	Lift Systems Gantry	850	3,977
www.tntcrane.com	0	12	20	0	Enerpac SBL 1100	1,178	3,868
www.pscind.com	0	3	87	0	J&R Engineering Lift-N-Lock 1400 series	700	3,740
www.transtell.com.mx	0	2	4	2		1,760	3,300
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.selinskyforce.com	0	4	38	0	J&R Engineering Lift & Lock Gantry	500	2,908
www.ncservicesgroup.com	0	1	4	1	Custom Gantry System	800	2,800
www.wmsi.com	17	2	6	0			2,200
www.cranerental.com	0	12	1	4	J&R Engineering T1402-4-39	700	2,143
www.processgroup.ca	0	3	20	0	Lifting Tower	1,000	2,130
www.southwesternindustrial.com	0	3	6	0	Lift Systems 34PT 5400WS		2,052
www.riggers.mx	0	2	42	20	4-Points Lift Systems Gantry	440	2,022
www.cseonline.net	0	1	6	0	J&R Engineering Lift & Lock	900	2,000
www.intermountainrigging.com	0	4	22	0	Gantry System	450	2,000
www.hmrsupplies.com	50	0	0	0	Holland Power Dolly	55	1,990
www.energytran.com	0	1	11	0	J&R Engineering T1402 Lift-N-Lock	700	1,750
	73	459	4977	876			1,251,422

Editor's Note: American Cranes & Transport is not responsible for errors or omissions. >60

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SPECIALIZED LIFTING 50



Top 10: NUMBER OF GANTRIES

RANK	NAME OF COMPANY	TOTAL NUMBER OF GANTRIES	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	Rigging Gear Sales, Inc.	116	11,358
2	Barnhart Crane & Rigging	72	270,437
3	International Industrial Contracting Corporation	36	9,660
4	Mid-Atlantic Lift Systems	34	3,192
5	George Young Group*	22	15,756
6	Mammoet North America	20	357,000
7	Fagioli USA	20	218,000
8	Bigge Crane & Rigging	15	69,940
9	Edwards Moving & Rigging	12	60,407
10	TNT Crane & Rigging	12	3,868

For comparison's sake, the total capacities between 2011 and 2016 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

It's clear that the growth of the specialized lifting industry has been quite flat over the last five years. Mergers and acquisitions have accounted for some of the jumps on the list and the larger companies tend to keep getting larger.

While the indexes of our

SPECIALIZED LIFTING 50 companies may not be changing much in terms of capacity added, the total number of employees certainly has grown. This year's **SPECIALIZED LIFTING 50** employs some 9,914 people, up from 8,034 in 2015.

2017

To be a part of our 2017 **SPECIALIZED LIFTING 50**, email the editor, D. Ann Shiffler, to request a survey form. She can be reached at d.annshiffler@khl.com.

ACT began distributing survey forms for the **SPECIALIZED LIFTING 50** list via email in January 2016 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 2015 data. In these cases, an asterisk will appear next to that company's name. As a result, the **SPECIALIZED LIFTING 50** 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 errors or omissions. We strive to improve this list, as well as our other annual lists, every year.

Ranking North America's
top tower crane-owning
companies.

Air time

BY THE NUMBERS

TOWER CRANES

1,641

TOTAL CAPACITY

515,554.5
tonne-meters

BRANCHES

223

EMPLOYEES

7,060

Tower crane utilization continues to improve in North America, and our **ACTTOWERCRANE50** list, with 20 companies, grew by more than 130 units in 2016.

At the top of our list remains the industry stalwart Morrow Equipment. The company has always owned the Number 1 spot since our first **ACTTOWERCRANE50** in 2005. With 635 tower cranes in their fleet,

PHOTO: BOB DIMMITT



Top 10 largest tower cranes

RANK	COMPANY	LARGEST TOWER CRANE	CAPACITY
=1	Morrow Equipment	Liebherr 1800 C 60	1,800
=1	JayDeeContractors	Kroll K1800	1,800
3	Maxim Crane Works	Wolff 700 B	800
4	Bigge Crane & Rigging	Comedil CTT721	720
5	Oxford Builders Supplies	Terex Comedil CTL 630	640
6	AmQuip Crane Rental	Potain MR 615	615
7	ALL Family of Companies	Potain MR 608	600
=8	Allegiance Crane & Equipment	Linden Comansa 21LC550/SK 415	550
=8	Blue Hat Crane & Equipment Rental	Linden Comansa 8852	550
10	Guay	Terex Peiner SK 415-20	415

Morrow leads the next largest company by 484 cranes. Of note is that Morrow strategically focuses on the tower crane, lift and hoist equipment market, whereas most of the other companies own and rent mobile and crawler cranes as well. Morrow Equipment's cranes are dispatched around the world. Morrow's largest crane is its huge Liebherr 1800 C 60, with a total lifting capacity of 1,800 tonne meters.

It's notable that only five companies on the **ACTTOWERCRANE50** have more than 100 tower cranes in their fleets. The remainder of the list has from 93 to one tower crane, with the average fleet size of about 82 units for companies that do business in this space.

2016 RANK	COMPANY	COUNTRY	NO. OF DEPOTS	NO. OF EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT
1	Morrow Equipment	USA	24	462	Worldwide	Christian Chalupny, president
2	Bigge Crane & Rigging	USA	14	700	Regional	Weston Settlemier, president and CEO
3	Maxim Crane Works	USA	31	1,450	National	Bryan Carlisle, CEO
4	Coast Crane Company	USA	11	123	Regional	Nick Matthews, president and CEO
5	AmQuip Crane Rental	USA	15	500	National	Al Bove, CEO
6	ALL Family of Companies	USA	38	1,500	National	Michael L. Liptak, president
7	P&J Arcomet	USA	3	48	Worldwide	Stephen Jehle, president
8	Bigfoot Crane Company	Canada	1	16	National	Ryan Burton, managing partner
=9	Allegiance Crane & Equipment	USA	10	350	Worldwide	James Robertson, president and CEO
=9	J.F. Lomma Inc.	USA	8	163	Worldwide	James Lomma, president
=9	Oxford Builders Supplies	USA	3	41	National	Mike Demelo, VP of equipment operations
=12	Blue Hat Crane & Equipment Rental	USA	10	85	National	Florian Rothbrust, senior vice president
=12	RMS Cranes	USA	4	170	Regional	T.J. Taylor, president
14	Skycrane Limited*	Canada	2	10	Worldwide	Jim Howard, president
15	Guay	Canada	20	500	National	Jean-Marc Baronet, president
17	Compass Equipment	USA	5	35	Regional	Kelly Hadland, managing partner
16	M-L Holdings Company Crane Group	USA	12	425	National	Scott Wilson, president
18	Custom Service Crane*	USA	5	35	Regional	Randy Huffman, vice president
19	Connelly Crane Rental*	USA	3	47	National	Michael A. Connelly, president
20	Jay Dee Contractors	USA	4	400	National	Michael A. DiPonio, vice president

*ACT estimates

A notable change on the list is that Coast Crane Company reported as a separate company rather than under the Essex Crane umbrella. Although Maxim

Crane Works and AmQuip Crane Rental have announced their plans to merge, the companies reported their tower crane fleets separately.

Most companies on the list actually grew their tower crane fleets with a few exceptions.

American Cranes & Transport sent out

Top 10 lifting capacity of fleet

RANK	COMPANY	TOTAL CAPACITY
1	Morrow Equipment	221,498
2	Bigge Crane & Rigging	77,273
3	AmQuip Crane Rental	53,464
4	Maxim Crane Works	52,033
5	ALL Family of Companies	37,195
6	Blue Hat Crane & Equipment Rental	15,582.6
7	Allegiance Crane & Equipment	15,214
8	Oxford Builders Supplies	15,103
9	Skycrane Limited*	7,489
10	Guay	5,845



PHOTO: JAYDEE CONSTRUCTORS

WEBSITE	LARGEST TOWER CRANE IN FLEET	LARGEST TOWER CRANE CAPACITY	LIFTING CAPACITY OF TOWER CRANE FLEET	NUMBER OF TOWER CRANES IN FLEET
www.morrow.com	Liebherr 1800 C 60	1,800	221,498	635
www.bigge.com	Comedil CTT721	720	77,273	151
www.maximcrane.com	Wolff 700 B	800	52,033	117
www.coastcrane.com	Potain MD 560 A	44	872	112
www.amquip.com	Potain MR 615	615	53,464	102
www.allcrane.com	Potain MR 608	600	37,195	93
www.pjrc omet.com	Terex Peiner SK 575	32	1,505	82
www.bigfootcrane.com	San Marco SMT 551	90.8	3,625	52
www.allegiancecrane.com	Linden Comansa 21LC550/SK 415	550	15,214	40
www.fl ommainc.com	Favco M1280D	165	2,600	40
www.oxfordbuilders.ca	Terex Comedil CTL 630	640	15,103	40
www.bluehatcrane.com	Linden Comansa 8852	550	15,582.6	34
www.rmsscraes.com	Potain MD 485B	22	570.9	34
www.towercranes.net	Sun STT-753	40	7,489	29
www.gruesguay.com	Terex Peiner SK 415-20	415	5,845	24
www.compassequipment.com	Potain MD 485B	485	3,372	21
www.mlholdingscranegroup.com	Terex Peiner SK 575	32	400	20
www.customservicecrane.com	San Marco SMT 551	8.81	43	8
www.connellycrane.com	Terex Peiner SK 415-20	22	70	6
www.pyd ee.us	Kroll K1800	1,800	1,800	1

our annual **ACTTOWERCRANE50** survey in late June. For 2016 we made the decision to change the index for our list from total capacity of crane fleet to fleet



size. We have been discussing this change for a few years and decided to make the change for a number of reasons, mainly to get a true apples-to-apples comparison. The change didn't really affect our list very much with the top seven on the list still pretty much intact, just ordered a little bit differently.

One interesting indicator from our survey was that total number of employees dipped from 8,845 to 7,055 this year, a drop of 785 workers. Last year we saw growth of more than 1,000 employees, and this year we see a pretty substantial drop in workers.

Adding it up

This year's total capacity of every crane from every company on this list is 513,934.5 tonne-meters. That's 14,408.5 tonne meters larger than last year's total. Additionally, there are now 223 branches or depots across North America as

opposed to 259 last year, another notable drop.

The growth of the tower crane sector continues, although it's not by leaps and bounds. The consistent necessity for tower cranes prevails despite economic recessions, dips in oil prices and a lack of government funding. That's a great sign for the industry. ■

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. We are working to continually grow this list. If your company has one or dozens of tower cranes in your fleet, you should be included. To receive a 2017 survey, please email D. Ann Shiffler at d.annshiffler@khl.com.

2017 calendar of industry

**JANUARY 4-7, 2017****SC&RA January Board & Committee Meetings**Laguna Niguel
www.scranet.org**JANUARY 10-13, 2017****AED Summit**Chicago, IL
www.aedsummit.com**JANUARY 17-20, 2017****World of Concrete**Las Vegas, NV
www.worldofconcrete.com**FEBRUARY 14, 2017****Lift & Move USA**Tampa, FL
Host: ALL Construction
www.liftandmoveusa.com**FEBRUARY 14-17, 2017****SC&RA Transportation Symposium**Orlando, FL
www.scranet.org**FEBRUARY 15, 2017****SC&RA Leadership Forum**Orlando, FL
www.scranet.org

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

www.khl.com/events

MARCH 7-11, 2017**CONEXPO/CONAGG**Las Vegas, NV
www.conexpoconagg.com**MARCH 19-22, 2017****North American Iron Workers/Impact Conference**San Diego, CA
www.impact-net.org/forms/MeetingCalendar/**APRIL 17-21, 2017****SC&RA Annual Conference**Phoenix, AZ
www.scranet.org**APRIL 23-26, 2017****AWRF Spring Conference**Savannah, GA
www.awrf.org**MAY 3, 2017****Lift & Move USA**Chicago, IL
Host: Lifting Gear Hire
www.liftandmoveusa.com**MAY 10-11, 2017****International Tower Crane Conference**London
www.khl-itc.com**MAY 9-12, 2017****ACRP General Assembly**Tulalip, WA
http://acrp.net/general-assembly/**MAY 22-25, 2017****AWEA Windpower 2017**Anaheim, CA
www.awea.org**JUNE 7-10, 2017****Crane Rental Association of Canada**St. Andrews, NB
www.crac-canada.com**SEPTEMBER 14, 2017****Lift & Move USA**Fort Wayne, IN
Host: Buchanan Hauling
www.liftandmoveusa.com**SEPTEMBER 20, 2017****SC&RA Leadership Forum**Kansas City, MO
www.scranet.org

events

SEPTEMBER 20-22, 2017

SC&RA Crane and Rigging Workshop
Kansas City, MO
www.scranet.org

OCTOBER 3-5, 2017

ICUEE
Louisville, KY
www.icuee.com

OCTOBER 17-19, 2017

Breakbulk Americas
Houston, TX
www.breakbulk.com

OCTOBER 22-25, 2017

AWRF Fall Conference with PIE
Minneapolis, MN
www.awrf.org

NOVEMBER 7-8, 2017

World Crane & Transport Summit
Amsterdam
www.khl-wcts.com

NOVEMBER 15, 2017

Lift & Move USA
Baton Rouge, LA
Hosts: Berard Transportation &
Deep South Crane
www.liftandmoveusa.com

NOVEMBER (TBD) 2017

Financial & Risk Management Forum
Location (TBD)
www.scranet.org



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29 CFR part
1926.1427*



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Signal Person

- Certification program



*NCCER's online database records equipment type and capacity, required by OSHA 29 CFR part 1926.

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 2017*, 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

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

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

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

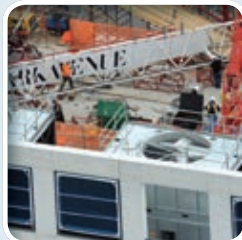
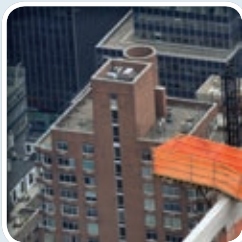


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CRANE GUIDE MOBILE CRANES

ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Main Boom (m) or (ft/in)	Max Main Boom Extension (m) or (ft/in)	Hook Height (m) or (ft/in)	Number of Axles (#)	Max Travel Speed (mph)	Max Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US Tons
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	0.8@58	60	27	81.7	4	53	n/s	340	120
Demag	AC 130-5	130	1.6@62	60	33	85	5	53	n/s	368	140
Demag	AC 160-5	160	1.5@66	68	33	101	5	53	n/s	368	180
Demag	AC 220-5	220	1.2@74	78	21	98	5	53	n/s	368	245
Demag	AC 250-5	250	1.7@78	70	33	102	5	53	n/s	368	300
Demag	AC 250-6	250	1@82	80	36	115	6	53	n/s	430	300
Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	n/s	430	400
Demag	AC 500-8	500	2.2@110	56	90	145.8	8	50	n/s	480	600
Demag	AC 700-9	700	3.8@110	60	96	149.5	9	50	n/s	480	800
Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	n/s	480	1320
Grove	GMK3060	60	1.1 @38.0	43	15	60.7	3	53	n/a	265	65
Grove	GMK4080-1/GMK4100B	80	0.8 @46.0	51	15	69	4	53	n/a	300	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 1090-4.1	90	0.7@62	50	26	75	4	53	12	350	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 1220-5.2	220	1.1@88	60	43	101	5	53	12	370	265
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	LG 1750	750@7	7.7@136	140	105	193	8	50	12	500	850
Liebherr	LTM 11200-9.1	1200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1500
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	ATF70G-4	65.7	1.2@40	44	16	61	4	52	12	320	75
Tadano	ATF70G-4L	65.4	1.1@46	52.1	16	69	4	52	12	320	75
Tadano	ATF100G-4	90	1.2@48	51.2	18	71	4	52	12	315	110
Tadano	ATF110G-5	121.3	3.2@48	52	32	83	5	52	12	390	110
Tadano	ATF130G-5	127.8	2.6@56	60	32	91	5	52	12	405	160
Tadano	ATF 200G-5	192	3.4 @ 60	60	32	91	5	52	12	390	220
Tadano	ATF 220G-5	201.3	1.32@84.1	68	34.7	104.5	5	52	12	390	250
Tadano	ATF 400G-6	405	6.85@57.9	60	65	121.9	6	52	12	480	450
Terex	AC 40/2	40	0.7@36	30.4	15	45.4	2	50	n/s	205	45
Terex	AC 40/2L	40	0.55@36	37.4	8	45.4	2	50	n/s	205	45

ALL TERRAINS BY CAPACITY

Manufacturer	Model	Max Load	Load at	Max Main	Max Main	Hook Height	Number of	Max Travel	Max Onroad	Engine	Capacity
		@ 3m (t)	Max Radius (t@m)	Boom (m) or (ft/in)	Boom Extension (m) or (ft/in)	(m) or (ft/in)	Axles (#)	Speed (mph)	Axle Loading (t/axle)	Power (kW)	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
Terex	AC 40/2	40	0.7@36	30.4	15	45.4	2	50	n/s	205	45
Terex	AC 40/2L	40	0.55@36	37.4	8	45.4	2	50	n/s	205	45
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	ATF70G-4	65.7	1.2@40	44	16	61	4	52	12	320	75
Tadano	ATF70G-4L	65.4	1.1@46	52.1	16	69	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	GMK4080-1/GMK4100B	80	0.8 @46.0	51	15	69	4	53	n/a	300	100
Liebherr	LTM 1090-4.1	90	0.7@62	50	26	75	4	53	12	350	110
Tadano	ATF100G-4	90	1.2@48	51.2	18	71	4	52	12	315	110
Tadano	ATF110G-5	121.3	3.2@48	52	32	83	5	52	12	390	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	0.8@58	60	27	81.7	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
Demag	AC 130-5	130	1.6@62	60	33	85	5	53	n/s	368	140
Liebherr	LTM 1130-5.1	130	0.9@72	60	33	91	5	53	12	400	155
Tadano	ATF130G-5	127.8	2.6@56	60	32	91	5	52	12	405	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	1.5@66	68	33	101	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	192	3.4 @ 60	60	32	91	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	1.2@74	78	21	98	5	53	n/s	368	245
Tadano	ATF 220G-5	201.3	1.32@84.1	68	34.7	104.5	5	52	12	390	250
Liebherr	LTM 1220-5.2	220	1.1@88	60	43	101	5	53	12	370	265
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Demag	AC 250-5	250	1.7@78	70	33	102	5	53	n/s	368	300
Demag	AC 250-6	250	1@82	80	36	115	6	53	n/s	430	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
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	430	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	405	6.85@57.9	60	65	121.9	6	52	12	480	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	50	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	50	n/s	480	800
Liebherr	LTM 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Liebherr	LG 1750	750@7	7.7@136	140	105	193	8	50	12	500	850
Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	n/s	480	1320
Liebherr	LTM 11200-9.1	1200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1500

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ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Main Boom (m) or (ft/in)	Max Main Boom Extension (m) or (ft/in)	Max Hook Height (m) or (ft/in)	Number of Axles (#)	Max Travel Speed (km/h) or (mph)	Maximum Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US Tons
Broderson	RT300	15		18.29	6.09	26.8	2	23 mph	n/s	163	15
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	RT600E	40	0.5@40	32	15.5	49.4	2	24	n/s	129	50
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
Grove	RT9150E	94.5	1.49 @ 56.0	60	18	95.3	2	15/10/2	n/a	239	150
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	71	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	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	100RT	90@2.5	0.8@46	50	27.4	77.5	2	17.8	n/s	201	100
Link-Belt	RTC-80110 Series II	100@3	1.45@42	45.7	27.8	73.6	3	18.5	n/s	257	110
Link-Belt	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1	3	17	n/s	257	130
Link-Belt	RTC-80150 Series II	135@2.5	1.4@56	59.5	33.3	92	3	15	n/s	257	150
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	GR150XL	9.1	0.35@21	78 ft	18 ft	103 ft	2	30	7.07	129	15
Tadano	GR-350XL	30.6	1@27.4	101.7 ft	42 ft	155 ft	2	31	13.7	175	35
Tadano	GR-550XL	51.3	1.17@32	113.9 ft	50 ft	173 ft	2	31	17.2	201	55
Tadano	GR-750XL	67.5	0.75 @ 39.6	141 ft	58.1 ft	207 ft	2	22	22.5	201	75
Tadano	GR1000XL	91.8	0.9@41	154 ft	58.1 ft	220 ft	2	22	26.2	201	100
Tadano	GR1600XL	122.8	1.85@56.3	200.1 ft	105 ft	310 ft	3	9.3 39.4(1)	13.6(2 & 3)	200	160
Terex	RT 230	27.2	0.4@38.6	28.8	13.1	43.1	2	24.5	n/a	97	30
Terex	RT 230 XL	27.2	0.4@36.3	30.5	13.1	44.8	2	24.5	n/a	97	30
Terex	RT 555	50	0.45@43.3	33.5	17.4	50.6	2	22.8	n/a	129	55
Terex	RT 670	63.5	0.4@48.8	33.7	17.4	51.8	2	23.4	n/a	165	70
Terex	RT 780	72.6	0.5@49.4	40.8	17.4	57.9	2	25	n/a	194	80
Terex	RT 100US	80	0.45@52	47	17	63.6	2	19.1	n/a	168	100
Terex	Quadstar 1100	100.5	0.55@55.2	47.2	22	71.6	2	18.7	n/a	194	110
Terex	RT 130	118	0.65@55.2	47.2	22	71.6	2	20.4	n/a	239	130

ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Main Boom (m) or (ft/in)	Max Main Boom Extension (m) or (ft/in)	Max Hook Height (m) or (ft/in)	Number of Axles (#)	Max Travel Speed (km/h) or (mph)	Maximum Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US Tons
Broderson	RT300	15		18.29	6.09	26.8	2	23 mph	n/s	163	15
Tadano	GR150XL	9.1	0.35@21	78 ft	18 ft	103 ft	2	30	7.07	129	15
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	27.2	0.4@38.6	28.8	13.1	43.1	2	24.5	n/a	97	30
Terex	RT 230 XL	27.2	0.4@36.3	30.5	13.1	44.8	2	24.5	n/a	97	30
Tadano	GR-350XL	30.6	1@27.4	101.7 ft	42 ft	155 ft	2	31	13.7	175	35
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
Grove	RT600E	40	0.5@40	32	15.5	49.4	2	24	n/s	129	50
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	n/s	145	50
Tadano	GR-550XL	51.3	1.17@32	113.9 ft	50 ft	173 ft	2	31	17.2	201	55
Terex	RT 555	50	0.45@43.3	33.5	17.4	50.6	2	22.8	n/a	129	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	33.7	17.4	51.8	2	23.4	n/a	165	70
Tadano	GR-750XL	67.5	0.75 @ 39.6	141 ft	58.1 ft	207 ft	2	22	22.5	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	40.8	17.4	57.9	2	25	n/a	194	80
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
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	100RT	90@2.5	0.8@46	50	27.4	77.5	2	17.8	n/s	201	100
Tadano	GR1000XL	91.8	0.9@41	154 ft	58.1 ft	220 ft	2	22	26.2	201	100
Terex	RT 100US	80	0.45@52	47	17	63.6	2	19.1	n/a	168	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	71	2	15.5	-	194	110
Link-Belt	RTC-80110 Series II	100@3	1.45@42	45.7	27.8	73.6	3	18.5	n/s	257	110
Terex	Quadstar 1100	100.5	0.55@55.2	47.2	22	71.6	2	18.7	n/a	194	110
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@2.5	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	22	71.6	2	20.4	n/a	239	130
Grove	RT9150E	94.5	1.49 @ 56.0	60	18	95.3	2	15/10/2	n/a	239	150
Link-Belt	RTC-80150 Series II	135@2.5	1.4@56	59.5	33.3	92	3	15	n/s	257	150
Tadano	GR1600XL	122.8	1.85@56.3	200.1 ft	105 ft	310 ft	3	9.3 39.4(1) 13.6(2 & 3)	200	160	160

TRUCK CRANES BY MANUFACTURER

Manufacturer	Model	Max Load	Load at	Max Main	Max Main	Max Hook	Number of	Max Travel	Maximum	Engine	Capacity
		@ 3m (t)	Max Radius (t@m)	Boom (m) or (ft/in)	Boom Extension (m) or (ft/in)	Height (m) or (ft/in)		Speed (km/h) or (mph)	Onroad Axle Loading (t/axle)		
Grove	TMS700E	55	1.7 @30	33.5	17	52.6	4	65	N/A	336	50 or 60
Grove	TMS800E	70	1.7 @36	39	17	58.2	4	65	N/A	336	80
Grove	TMS9000E	90	3.3 @40	43.4	17	63.1	4	65	N/A	336	110
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	n/s	55
Liebherr	LTF 1060-4.1	60@2.5	0.7@48	40	16	56	4	n/s	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	n/s	276	60
Link-Belt	HTC/HTT-8675 Series II	64.25	1.45@36	38.7	29.26	65.17	4	62.9	n/s	336	75
Link-Belt	HTC/HTT-86100	72.65	2.35@40	42.7	27.5	67.3	4	62.9	n/s	336	100
Link-Belt	HTC/HTT-86110	85	1.9@46	50	27.5	76.9	4	62	n/s	336	110
Link-Belt	HTC-3140	110	2.85@46	49.4	33.2	79.83	5	65.62	n/s	434	140
Link-Belt	HTC-3140LB	120	.95@56	59.5	33.2	89.93	5	65.62	n/s	434	140
Terex	T 340-1	36.3	.95@26	28.6	14.9	44.8	3	60	n/s	224	40
Terex	T 340-1 XL	36.3	.55@30	32	14.9	48.2	3	60	n/s	224	40
Terex	T 560-1	54	1.25@32	34	17.4	52	4	65	n/s	335	60
Terex	T 780	73	1.6@36	38.4	17.4	57.6	4	65	n/s	335	80

TRUCK CRANES BY CAPACITY

Manufacturer	Model	Max Load	Load at	Max Main	Max Main	Max Hook	Number of	Max Travel	Maximum	Engine	Capacity
		@ 3m (t)	Max Radius (t@m)	Boom (m) or (ft/in)	Boom Extension (m) or (ft/in)	Height (m) or (ft/in)		Speed (km/h) or (mph)	Onroad Axle Loading (t/axle)		
Terex	T 340-1	36.3	.95@26	28.6	14.9	44.8	3	60	n/s	224	40
Terex	T 340-1 XL	36.3	.55@30	32	14.9	48.2	3	60	n/s	224	40
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	n/s	55
Link-Belt	HTC-8660 Series II	45.36	1.2@30	33.5	15.5	46.4	4	60.69	n/s	276	60
Terex	T 560-1	54	1.25@32	34	17.4	52	4	65	n/s	335	60
Grove	TMS700E	55	1.7 @30	33.5	17	52.6	4	65	N/A	336	60
Liebherr	LTF 1060-4.1	60@2.5	0.7@48	40	16	56	4	n/s	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	n/s	336	75
Grove	TMS800E	70	1.7 @36	39	17	58.2	4	65	N/A	336	80
Terex	T 780	73	1.6@36	38.4	17.4	57.6	4	65	n/s	335	80
Link-Belt	HTC/HTT-86100	72.65	2.35@40	42.7	27.5	67.3	4	62.9	n/s	336	100
Grove	TMS9000E	90	3.3 @40	43.4	17	63.1	4	65	N/A	336	110
Link-Belt	HTC/HTT-86110	85	1.9@46	50	27.5	76.9	4	62	n/s	336	110
Link-Belt	HTC-3140	110	2.85@46	49.4	33.2	79.83	5	65.62	n/s	434	140
Link-Belt	HTC-3140LB	120	.95@56	59.5	33.2	89.93	5	65.62	n/s	434	140

CRANE GUIDE BOOM TRUCKS

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed () Weight (pounds)	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	AC38-127S-L	136	127	n/s	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
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	121	81	18 or 30	n/s	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	n/s	Out-and-Down	18
Elliott Equipment Company	2651TM	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
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

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed () Weight (pounds)	Outrigger Type	Max Lift Capacity (US tons)
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	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	TC500-60	72.5	60	NA	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	5060S	72.5	60	NA	n/s	Out-and-Down	50
Manitex	5084S	95	84	NA	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	NBT 60	179	128	NA	n/s	X-type	60

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BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed () Weight (pounds)	Outrigger Type	Max Lift Capacity (US tons)
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	87	47	18-30	33000	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	60000	H-type	23.5
Terex	BT 28106	162	106	30 - 47	52000	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	33 - 57	n/s	X-pattern	50
Terex	Crossover 6000	170	110	33 - 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 (pounds)	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	87	47	18-30	33000	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	121	81	18 or 30	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

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed () Weight (pounds)	Outrigger Type	Max Lift Capacity (US tons)
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
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
GMC	5370R	73.8	70	n/s	24200	Out-and-Down	22
National Crane	800D	152	100	44	n/s	A-type	23
GMC	5555S	58.8	55	n/s	20600	Out-and-Down	23
GMC	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	60000	H-type	23.5
GMC	4033R	37.4	33	n/s	17800	Out-and-Down	25
GMC	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	2651TM	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	52000	K-pattern	28
GMC	5037R	34.9	37	n/s	22200	Out-and-Down	29
GMC	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
GMC	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
GMC	6070C	73.8	70	30 Fly	32400	Out-and-Down	33
GMC	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
GMC	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
GMC	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

CRANE GUIDE BOOM TRUCKS

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Installed () Weight (pounds)	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	AC38-127S-L	136	127	n/s	n/s	Out-and-Down	38
Altec	AC40-152S	207	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
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	TC500-110HHL	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	TC500-60	72.5	60	NA	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	5060S	72.5	60	NA	n/s	Out-and-Down	50
Manitex	5084S	95	84	NA	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	33 - 57	n/s	X-pattern	50
National Crane	NBT 55	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	33 - 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	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Max Main Boom Extension (m)	Max Travel Speed (m/min)	Capacity US Tons
Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Demag	CC 2800-1	600	4@142	174	24 / 180	102	20	660
Demag	CC 3800-1	650	4.4@160	185	24 / 192	96	20	715
Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1375
Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1760
Demag	CC 8800-1 Twin	3200	123@129	222	54 / 234	117	13.33	3525
Global/Zoomlion	QUY80	80@4	4.2@32	55	13/58	fj-18	1.68	88
Global/Zoomlion	ZCC1100H	100@3.2	1.2@55	67	13/67	fj-18	1.26	110
Global/Zoomlion	QUY130	130@4.5	1.8@61	71	19/73	fj-31	1.3	143
Global/Zoomlion	QUY160	160@5	2.2@70	82	20/83	fj-31,lf-51	1.2	176
Global/Zoomlion	QUY180	180@5	2.0@72	82	20/83	fj-31,lf-51	1.2	198
Global/Zoomlion	QUY200	200@5	2.1@72	82	20/83	fj-30,lf-51	0.98	220
Global/Zoomlion	QUY260	260@5	2@82	94	20/83	fj-30,lf-60	1	286
Global/Zoomlion	QUY350	350@5/(SL350@30)	7.8@70	82	18/84(LD120)	fj-12,ij-66	1.2	385
Global/Zoomlion	QUY450	400@6/(SL450@6.5)	4@72	82	24/84(LD126)	fj-36,ij-84	1.6	495
Global/Zoomlion	QUY500W	400@6/(SL500@9)	4@72	82	24/84(LD126)	fj-36,ij-84	0.87	550
Global/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	1000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1100
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1500
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000
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		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
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	3,0	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	1000
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2535
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

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Max Main Boom Extension (m)	Max Travel Speed (m/min)	Capacity US Tons
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	98	18.2 / 97.5	12.1	14.66	230
Terex	LC 330US	300	4,2@84	132	24 / 84	72	21.66666667	330
Terex	HC 80	72.6	1.5@51.8	72	12.2 / 70.1	18.3	33.33	80
Terex	HC 110-1	100	0.9@61	84	15.2 / 82.3	21	23.33	110
Terex	HC 165	150	0.8@76.2	95	15.2 / 94.5	24.4	14.66	165
Terex	HC 285	250	2.2@85.3	112	21.3 / 111.3	29	14.66	275

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CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Max Main Boom Extension (m)	Max Travel Speed (m/min)	Capacity US Tons
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
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Terex	HC 80	72.6	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/Zoomlion	QUY80	80@4	4.2@32	55	13/58	fj-18	1.68	88
Global/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
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
Terex	HC 110-1	100	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	3,0	23.3	120
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65		32.2	130
Global/Zoomlion	QUY130	130@4.5	1.8@61	71	19/73	fj-31	1.3	143
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	150	0.8@76.2	95	15.2 / 94.5	24.4	14.66	165
Global/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/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/Zoomlion	QUY200	200@5	2.1@72	82	20/83	fj-30,lf-51	0.98	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	98	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	112	21.3 / 111.3	29	14.66	275
Global/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
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
Terex	LC 330US	300	4,2@84	132	24 / 84	72	21.66666667	330
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Global/Zoomlion	QUY350	350@5/(SL350@30)	7.8@70	82	18/84(LD120)	fj-12,lf-66	1.2	385
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/Zoomlion	QUY450	400@6/(SL450@6.5)	4@72	82	24/84(LD126)	fj-36,lf-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/Zoomlion	QUY500W	400@6/(SL500@9)	4@72	82	24/84(LD126)	fj-36,lf-84	0.87	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	174	24 / 180	102	20	660
Demag	CC 3800-1	650	4.4@160	185	24 / 192	96	20	715
SANY America	SCC6500A	650	44t@112	190	24/96	96	16	715
Global/Zoomlion	QUY650	650@6/(SL650@6.5)	11@66	82	24/84(LD138)	fj-36,lf-96	0.6/0.98	715
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Max Main Boom Extension (m)	Max Travel Speed (m/min)	Capacity US Tons
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	1000
Manitowoc	21000	907	18.7 @ 76	91.4	37/122	91.4	18.3	1000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1100
Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1375
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1500
Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1760
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2535
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000
Demag	CC 8800-1 Twin	3200	123@129	222	54 / 234	117	13.33	3525

TELESCOPIC CRAWLERS BY MANUFACTURER

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Max Main Boom Extension (m)	Max Travel Speed (m/min)	Capacity US Tons
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@	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		105.4	13.3/68		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	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	15010	70	2.0@32	34.1	11.4/34	15.2	46	77
Tadano Mantis	GTC-700EX	70	1.8@32	34.1	11.4/34	15.2	46	77
Tadano Mantis	GTC-800	80	2.2@39.6	42.1	11.5/43	27.8	60	88
Tadano Mantis	20010	90.7	1.6 @ 37	40.3	12.8/39	18.3	33.7	100
Tadano Mantis	GTC-1200	120	1.8 @ 44.2	48.5	12.8/47.2	32	43	130

TELESCOPIC CRAWLERS BY CAPACITY

Manufacturer	Model	Max Load @ 3m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Max Main Boom Extension (m)	Max Travel Speed (m/min)	Capacity US Tons
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	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-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
Link-Belt	TCC-500	51	0.6@44	50.44	10.8/33.8	15.6	53.3	50
Grove	GHC55	50	2.2 @26	45.4	9.4/30.4	13	41.5	55
Liebherr	LTR 1060	60@	0.5@50	54.5	10.2/40	16	50	65
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	46	77
Tadano Mantis	GTC-700EX	70	1.8@32	34.1	11.4/34	15.2	46	77
Tadano Mantis	GTC-800	80	2.2@39.6	42.1	11.5/43	27.8	60	88
Tadano Mantis	20010	90.7	1.6 @ 37	40.3	12.8/39	18.3	33.7	100
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	48.5	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		105.4	13.3/68		42.9	250

MEGA CRANES BY MANUFACTURER

Manufacturer	Model	Max Load @ 40m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (m/m)	Capacity Metric tons	Capacity US Tons
ALE	SK-190	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
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	3000@12	42@196	245	60/144	n/s	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-120	3,150	150t @ 200	212m (w/ Jib)	89m Minimum	3150	3,465
Terex	CC 8800-1 Twin	3200	123@129	222	54 / 234	n/s	3,525

MEGA CRANES BY CAPACITY

Manufacturer	Model	Max Load @ 40m (t)	Load at Max Radius (t@m)	Max Hook Height (m)	Boom Length Min/Max (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	3000@12	42@196	245	60/144	n/s	3,300
Sarens	SGC-120	3,150	150t @ 200	212 (w/jib)	89 minimum	3150	3,465
Terex	CC 8800-1 Twin	3200	123@129	222	54 / 234	n/s	3,525
Mammoet	PTC 200 DS	4500	88 @ 207	240	83/246	4500	5,000
ALE	SK-190	5,000	n/s	n/s	n/s	5000	6,600
Bigge Crane and Rigging	Bigge145D	6820	390t @ 203	220 (with fixed jib)	91m minimum	6820	7,500
Bigge Crane and Rigging	Bigge160D	6820	545t @ 203	220 (with fixed jib)	91m minimum	6820	7,500

CRANE GUIDE TOWER CRANES

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max	Max Load	Max Load	Max Hook	Jib Length	Hoist Speed		Max Freestanding	Max Power	Max Jib
		Lifting Capacity	up to ? Radius	@ Max Radius			Height	Min/Max			
		(t)	(t@m)	(t@m)	(m)	(m/m)	(m/min)	(m/min)	(m)	(kW)	(deg)
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@n/s	1.2@40	78	20	120	n/s	n/s	n/s	n/s
FM Gru	LK 20.50	12	12@n/s	2.0@50	88	20	160	n/s	n/s	n/s	n/s
FM Gru	LK 100.40	20	20@n/s	10.0@40	80	26	180	n/s	n/s	n/s	n/s
FM Gru	LK 50.60	24	24@n/s	5.0@60	100	30	220	n/s	n/s	n/s	n/s
FM Gru	LK 50.75	30	30@n/s	5.0@75	110	n/s	30	n/s	n/s	n/s	n/s
Jaso	J80PA	5	5@18,3	1.3@40	246	25.5	100		75.3		
Jaso	J118HPA (Hydraulic)	6	6@25.1	1.6@45	452	30	80	n/s	68		
Jaso	J168HPA (Hydraulic)	6	6@30	2.5@50	434	30	80	n/s	70.1	n/s	n/s
Jaso	J80PA-RC	8	8@14,2	2,75@30,5	800	25.5	76		na		
Jaso	J138PA	8	8@22.4	2.25@45	416	30	140	n/s	66.3		
Jaso	J180PA.A	12	12@23,5	3.0@50	364	30	120	n/s	67.3	n/s	n/s
Jaso	J180PA.2R.A	12	12@23,5	2.5@50	284	30	183	n/s	67.3	n/s	n/s
Jaso	J208PA	18	18@18,5	1,5@60	568	30	366	n/s	72.1	n/s	n/s
Jaso	J265PA	18	18@21,3	2,2@60	630	30	366	n/s	72.1	n/s	n/s
Jaso	J280PA.2R	18	18@26,2	3@60	818	30	220		74.3		
Jaso	J280PA.24.2R	24	24@20,9	2,7@60	828	30	218		72.6		
Jaso	J438PA	32	32@20,8	3@65	874	30	181		74.3		
Jaso	J380PA	36	36@18,8	3@65	874	30	181		74.3		
Jaso	J450PA	36	36@18,6	3@65	674	30	188		74.3		
Jaso	J780PA	75	75@16,6	5,7@70	1000	30			62		
Jost Cranes	JTL 68.4	4	4@20	1,5@40	900	25	124	15	33	55	87
Jost Cranes	JTL 78.4	4	4@22	1,6@40	900	25	200	33	33	55	87
Jost Cranes	JTL 98.4	4	4@22	1,5@45	900	30	200	33	39	55	87
Jost Cranes	JTL 78.6	6	6@14,6	1,5@40	900	25	184	17	33	70	87
Jost Cranes	JTL 98.6	6	6@15	1,4@45	900	30	184	17	39	70	87
Jost Cranes	JTL 108.6	6	6@20	1,6@45	900	30	124	11	39	60	87
Jost Cranes	JTL 118.6	6	6@20	1,8@45	900	30	184	17	39	80	87
Jost Cranes	JTL 158.6	6	6@27	2,4@50	900	27.3	124	11	51	65	87
Jost Cranes	JTL 118.8	8	8@15,9	1,7@45	900	30	188	21	39	100	87
Jost Cranes	JTL 168.8	8	8@21,7	2,0@50	900	27.3	188	21	51	100	87
Jost Cranes	JTL 168.10	10	10@17,3	2,3@50	900	27.3	158	20	51	110	87
Jost Cranes	JTL 208.12	12	12@19,7	2,6@55	900	30	110	12	54	100	87
Jost Cranes	JTL 218.12	12	12@19,4	3,3@50	900	30	188	12	54	150	87
Jost Cranes	JTL 268.12	12	12@23	3,4@55	900	30	188	15	63	160	87
Jost Cranes	JTL 318.12	12	12@25	4,5@55	900	30	188	15	63	160	87
Jost Cranes	JTL 268.16	16	16@17,5	3,3@55	900	30	146	21	63	190	87
Jost Cranes	JTL 318.16	16	16@20	4,4@55	900	30	146	21	63	190	87
Liebherr	180 HC-L 8/16 Litronic	16	16@18.5	2.6@55	874	30 to 55	296	0	70.7	n/s	n/s
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60	1290	30 to 60	129	0	64.9	n/s	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24	4.5@60	1290	30 to 60	129	0	59.1	n/s	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65	1290	30 to 65	129	0	53.3	n/s	n/s
Liebherr	280 HC-L 16/28 Litronic	28	20@16.5	3@60	1143	30 to 60	194	0	64.9	110	n/s
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3@60	1143	30 to 60	171	0	64.9	n/s	n/s
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60	1101	30 to 60	163	0	59.1	n/s	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65	1101	30 to 65	163	0	53.3	n/s	n/s
Liebherr	710 HC-L 25/50 Litronic	50	50@21.4	7.73@65	1101	30 to 65	238	0	63.3	n/s	n/s
Liebherr	710 HC-L 32/64 Litronic	64	65@16.4	7.3@65	1101	30 to 65	194	0	63.3	n/s	n/s
Linden Comansa	LCL 165 8t	8	8@25	2.5@50	820	30	310	0	56.6	168	87
Linden Comansa	LCL 165 12t	12	12@15	2.3@50	640	30	330	0	56.6	168	87
Linden Comansa	LCL 190 12t	12	12@20	1.5@60	640	30	330	0	63.1	168	87
Linden Comansa	LCL 280 12t	12	12@30	2.9@60	640	30	330	0	53.2	243	87
Linden Comansa	LCL 310 12t	12	12@30	3.5@60	640	30	330	0	59	243	87
Linden Comansa	LCL 190 18t	18	18@15	1.5@60	640	30	224	0	63.1	168	87

LUFFING JIB 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)	Hoist Speed		Max Freestanding Height (m)	Max Power Requirement (kW)	Max Jib Angle (deg)
							Max (m/min)	Min (m/min)			
Linden Comansa	LCL 280 18t	18	18@25	2.9@60	640	30	224	0	53.2	243	87
Linden Comansa	LCL 310 18t	18	18@20	3.5@60	640	30	224	0	59	243	87
Linden Comansa	LCL 280 24t	24	24@15	2.6@60	725	30	180	0	53.2	243	87
Linden Comansa	LCL 310 24t	24	24@15	3.2@60	725	30	180	0	59	243	87
Linden Comansa	LCL 500 24t	24	24@20	4.7@65	570	30	180	0	68.3	306	87
Linden Comansa	LCL 500 30t	30	30@15	4.2@65	400	30	176	0	62.8	306	87
Linden Comansa	LCL 700 50t	50	50@20	8@65	1270	30	170	0	68.2	340	87
Linden Comansa	LCL 700 64t	64	64@15	8@65	1100	30	134	0	66.1	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
Saez	SLH 80	5	5@20	1@45	175	20	90	n/s	85.4	n/s	85
Saez	SLH 110	6	6@20	1.6@45	175	20	90	n/s	85.4	n/s	85
Saez	SLH 170	8	8@20	2.6@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	n/s	12@25	640	25	275	n/s	113	94	87
Wilbert	WT 175L e.tronic	24	n/s	1@36	210	36	155	n/s	n/s	70	87
Wilbert	WT 905L e.tronic	48	n/s	11.8@72	900	15	200	n/s	133	310	87
Wilbert	WT 1305L e.tronic	64	n/s	15.5@72	900	15	200	n/s	133	310	87
Wilbert	WT 1905L e.tronic	80	n/s	23.3@72	900	15	200	n/s	128	450	87
Wilbert	WT 2405L e.tronic	128	n/s	23.8@72	900	15	200	n/s	128	450	87
WOLFFKLAN	WOLFF 100 B	6	6@24	2.0@45	380	30/45	120	30	96.7	70	n/s
WOLFFKLAN	WOLFF 166 B	12	12@21	1.8@55	500	20/55	174	25	93.2	87	n/s
WOLFFKLAN	WOLFF 275 B	24	24@16.1	2.4@60	700	30/60	222	16	82.2	194	n/s
WOLFFKLAN	WOLFF 355 B	28	28@18	4@60	920	30/60	185	40	83.2	194	n/s
WOLFFKLAN	WOLFF 630 B	42	42@18.5	5.4@70	990	30/70	190	33	65.2	241	n/s
WOLFFKLAN	WOLFF 700 B	50	50@15.6	5.4@70	990	30/70	190	33	65.2	241	n/s
WOLFFKLAN	WOLFF 1250 B	60	60@25	11@80	990	40/80	190	11	90	194	n/s

CRANE GUIDE TOWER CRANES

LUFFING JIB 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)	Hoist Speed		Max Freestanding Height (m)	Max Power Requirement (kW)	Max Jib Angle (deg)
							Max (m/min)	Min (m/min)			
Jost Cranes	JTL 68.4	4	4@20	1,5@40	900	25	124	15	33	55	87
Jost Cranes	JTL 78.4	4	4@22	1,6@40	900	25	200	33	33	55	87
Jost Cranes	JTL 98.4	4	4@22	1,5@45	900	30	200	33	39	55	87
Jaso	J80PA	5	5@18,3	1,3@40	246	25.5	100		75.3		
Saez	SLH 80	5	5@20	1@45	175	20	90	n/s	85.4	n/s	85
FM Gru	LK 12.40	6	6@n/s	1,2@40	78	20	120	n/s	n/s	n/s	n/s
Jaso	J118HPA (Hydraulic)	6	6@25.1	1,6@45	452	30	80	n/s	68		
Jaso	J168HPA (Hydraulic)	6	6@30	2,5@50	434	30	80	n/s	70.1	n/s	n/s
Jost Cranes	JTL 78.6	6	6@14,6	1,5@40	900	25	184	17	33	70	87
Jost Cranes	JTL 98.6	6	6@15	1,4@45	900	30	184	17	39	70	87
Jost Cranes	JTL 108.6	6	6@20	1,6@45	900	30	124	11	39	60	87
Jost Cranes	JTL 118.6	6	6@20	1,8@45	900	30	184	17	39	80	87
Jost Cranes	JTL 158.6	6	6@27	2,4@50	900	27.3	124	11	51	65	87
Saez	SLH 110	6	6@20	1,6@45	175	20	90	n/s	85.4	n/s	85
WOLFFKRAN	WOLFF 100 B	6	6@24	2,0@45	380	30/45	120	30	96.7	70	n/s
Jaso	J80PA-RC	8	8@14,2	2,75@30,5	800	25.5	76		na		
Jaso	J138PA	8	8@22,4	2,25@45	416	30	140	n/s	66.3		
Jost Cranes	JTL 118.8	8	8@15,9	1,7@45	900	30	188	21	39	100	87
Jost Cranes	JTL 168.8	8	8@21,7	2,0@50	900	27.3	188	21	51	100	87
Linden Comansa	LCL 165 8t	8	8@25	2,5@50	820	30	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
Saez	SLH 170	8	8@20	2,6@50	175	20	90	n/s	85.4	n/s	85
Jost Cranes	JTL 168.10	10	10@17,3	2,3@50	900	27.3	158	20	51	110	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
FM Gru	LK 20.50	12	12@n/s	2@50	88	20	160	n/s	n/s	n/s	n/s
Jaso	J180PA.A	12	12@23,5	3@50	364	30	120	n/s	67.3	n/s	n/s
Jaso	J180PA.2R.A	12	12@23,5	2,5@50	284	30	183	n/s	67.3	n/s	n/s
Jost Cranes	JTL 208.12	12	12@19,7	2,6@55	900	30	110	12	54	100	87
Jost Cranes	JTL 218.12	12	12@19,4	3,3@50	900	30	188	12	54	150	87
Jost Cranes	JTL 268.12	12	12@23	3,4@55	900	30	188	15	63	160	87
Jost Cranes	JTL 318.12	12	12@25	4,5@55	900	30	188	15	63	160	87
Linden Comansa	LCL 165 12t	12	12@15	2,3@50	640	30	330	0	56.6	168	87
Linden Comansa	LCL 190 12t	12	12@20	1,5@60	640	30	330	0	63.1	168	87
Linden Comansa	LCL 280 12t	12	12@30	2,9@60	640	30	330	0	53.2	243	87
Linden Comansa	LCL 310 12t	12	12@30	3,5@60	640	30	330	0	59	243	87
Wilbert	WT 205L e.tronic	12	n/s	12@25	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
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@55	900	30	146	21	63	190	87
Jost Cranes	JTL 318.16	16	16@20	4,4@55	900	30	146	21	63	190	87
Liebherr	180 HC-L 8/16 Litronic	16	16@18.5	2,60@55	874	30 to 55	296	0	70.7	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@18,5	1,5@60	568	30	366	n/s	72.1	n/s	n/s
Jaso	J265PA	18	18@21,3	2,2@60	630	30	366	n/s	72.1	n/s	n/s
Jaso	J280PA.2R	18	18@26,2	3@60	818	30	220		74.3		
Linden Comansa	LCL 190 18t	18	18@15	1,5@60	640	30	224	0	63.1	168	87
Linden Comansa	LCL 280 18t	18	18@25	2,9@60	640	30	224	0	53.2	243	87
Linden Comansa	LCL 310 18t	18	18@20	3,5@60	640	30	224	0	59	243	87
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@n/s	10@40	80	26	180	n/s	n/s	n/s	n/s
Potain	MR 295 H20	20	20@19.4	2,7@60	n/s	30	245	n/s	70.4	n/s	86
FM Gru	LK 50.60	24	24@n/s	5@60	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		72.6		

LUFFING JIB BY CAPACITY

Manufacturer	Model	Max	Max Load	Max Load	Max	Jib	Hoist		Max	Max	Max
		Lifting	up to ?	@ Max	Hook	Length	Speed	Freestanding	Power	Jib	
		Capacity	Radius	Radius	Height	Min/Max	Max	Min	Height	Requirement	Angle
		(t)	(t@m)	(t@m)	(m)	(m/m)	(m/min)	(m/min)	(m)	(kW)	(deg)
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60	1290	30 to 60	129	0	64.9	n/s	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24	4.5@60	1290	30 to 60	129	0	59.1	n/s	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65	1290	30 to 65	129	0	53.3	n/s	n/s
Linden Comansa	LCL 280 24t	24	24@15	2.6@60	725	30	180	0	53.2	243	87
Linden Comansa	LCL 310 24t	24	24@15	3.2@60	725	30	180	0	59	243	87
Linden Comansa	LCL 500 24t	24	24@20	4.7@65	570	30	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
Wilbert	WT 175L e.tronic	24	n/s	1@36	210	36	155	n/s	n/s	70	87
WOLFFKRAN	WOLFF 275 B	24	24@16.1	2.4@60	700	30/60	222	16	82.2	194	n/s
Liebherr	280 HC-L 16/28 Litronic	28	20@16.5	3@60	1143	30 to 60	194	0	64.9	110	n/s
Liebherr	280 HC-L 16/28 Litronic	28	28@17	3@60	1143	30 to 60	171	0	64.9	n/s	n/s
WOLFFKRAN	WOLFF 355 B	28	28@18	4@60	920	30/60	185	40	83.2	194	n/s
Favelle Favco	M220D	30	30@10	3@53	n/s	27/55	210	n/s	56	n/s	85
FM Gru	LK 50.75	30	30@n/s	5@75	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	176	0	62.8	306	87
Jaso	J438PA	32	32@20.8	3@65	874	30	181		74.3		
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60	1101	30 to 60	163	0	59.1	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
Jaso	J380PA	36	36@18.8	3@65	874	30	181		74.3		
Jaso	J450PA	36	36@18.6	3@65	674	30	188		74.3		
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65	1101	30 to 65	163	0	53.3	n/s	n/s
WOLFFKRAN	WOLFF 630 B	42	42@18.5	5.4@70	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	n/s	11.8@72	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	7.73@65	1101	30 to 65	238	0	63.3	n/s	n/s
Linden Comansa	LCL 700 50t	50	50@20	8@65	1270	30	170	0	68.2	340	87
WOLFFKRAN	WOLFF 700 B	50	50@15.6	5.4@70	990	30/70	190	33	65.2	241	n/s
WOLFFKRAN	WOLFF 1250 B	60	60@25	11@80	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	7.3@65	1101	30 to 65	194	0	63.3	n/s	n/s
Linden Comansa	LCL 700 64t	64	64@15	8.0@65	1100	30	134	0	66.1	340	87
Wilbert	WT 1305L e.tronic	64	n/s	15.5@72	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			62		
Wilbert	WT 1905L e.tronic	80	n/s	23.3@72	900	15	200	n/s	128	450	87
Wilbert	WT 2405L e.tronic	128	n/s	23.8@72	900	15	200	n/s	128	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)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Hoist Speed		Max Freestanding Height (m)	Max Power Requirement (kW)
							Max (m/min)	Min (m/min)		
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	150.1	10	10.0@19,4	1.6@65	534	27.5/65	80		81.5	
Jaso	160.1	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 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	150 EC-B 6 FR.tronic	6	6.00@28.4	1.60@60.0	220	24,4 to 60	140	0	67.5	n/s
Liebherr	150 EC-B 6 Litronic	6	6.00@29.7	1.80@60.0	220	24,4 to 60	140	0	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 FR.tronic	8	8.00@21.6	1.50@60.0	190	24,4 to 60	120	0	67.5	n/s
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.70@60.0	190	24,4 to 60	120	0	67.5	n/s
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	2.10@60.0	328	24,4 to 60	163	0	71.4	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

SADDLE JIB 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)	Hoist Speed Max (m/min)	Hoist Speed Min (m/min)	Max Freestanding Height (m)	Max Power Requirement (kW)
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
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 24t	24	24@36.9	7.7@80	725	40 / 80	180	0	123.2	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 36t	36	35@25.5	7.7@80	725	40 / 80	180	0	123.2	180
Linden Comansa	21LC660 48t	48	48@15.8	4.4@84	362.5	40 / 84	90	0	117.8	162
Linden Comansa	21LC750 48t	48	48@20	7.1@80	362.5	40 / 80	90	0	123.2	180
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	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

CRANE GUIDE TOWER CRANES

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max	Max Load	Max Load	Max	Jib	Hoist		Max	Max
		Lifting	up to ?	@ Max	Hook	Length	Speed	Freestanding	Power	
		Capacity	Radius	Radius	Height	Min/Max	Max	Min	Height	Requirement
		(t)	(t@m)	(t@m)	(m)	(m/m)	(m/min)	(m/min)	(m)	(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	48.7	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	101	0	67.2	n/s
Terex	CTT 191-10	10	10@21.58	2.0@65	335	30/65	131	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 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	160	0	68.6	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	75.8	n/s
Terex	CTT 721-40	40	40@18	3.4@80	239	39/84	146	0	73.4	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 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85	118
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98	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
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

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max	Max Load	Max Load	Max	Jib	Hoist		Max	Max
		Lifting Capacity (t)	up to ? Radius (t@m)	@ Max Radius (t@m)	Hook Height (m)	Length Min/Max (m/m)	Speed Max (m/min)	Speed Min (m/min)	Freestanding Height (m)	Power Requirement (kW)
WOLFFKRAM	WOLFF 8033.8	8.5	8.5@55	3.3@80	460	30/80	185	44	85.2	97
WOLFFKRAM	WOLFF 7534.8	8.5	8.5@43.6	3.4@75	460	30/75	185	44		95
WOLFFKRAM	WOLFF 6031.12	12	12@21.5	2.8@60	460	30/65	170	29	103.3	96
WOLFFKRAM	WOLFF 7032.12	12	12@27.3	3.2@70	460	25/70	185	31	103.3	90
WOLFFKRAM	WOLFF 6531.12	12	12@26.2	3.3@65	460	30/65	230	29	94.3	96
WOLFFKRAM	WOLFF 7532.12	12	12@32.6	3.4@75	460	30/75	230	29	89.8	96
WOLFFKRAM	WOLFF 7532.16	16	16@23	3.3@75	260	30/75	170	21	89.8	96
WOLFFKRAM	WOLFF 7534.16	16.5	16.5@24	3.0@75	460	30/75	185	23		95
WOLFFKRAM	WOLFF 8033.16	16.5	16.5@29.5	2.9@80	460	30/80	185	44	84.8	97
WOLFFKRAM	WOLFF 9025	20	20@24.4	2.5@90	400	30/90	125	18	84.7	98
WOLFFKRAM	WOLFF 8033.20	20	20@24.5	2.6@80	400	30/80	190	28	85.2	125
WOLFFKRAM	WOLFF 8540.20	20	20@30.7	4@85	400	30/85	125	18	88.2	121
WOLFFKRAM	WOLFF 6071	20	20@31.8	7.1@60	400	30/60	125	18	88.2	98
WOLFFKRAM	WOLFF 8060.25	25	25@30	6@80	400	30/80	159	22	74.7	131
WOLFFKRAM	WOLFF 8540.40	40	40@15.6	2.2@85	400	30/85	125	18	82.2	121
WOLFFKRAM	WOLFF 8060.50	50	50@15.2	4.2@80	400	30/80	159	11	68.7	131

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max	Max Load	Max Load	Max	Jib	Hoist		Max	Max
		Lifting Capacity (t)	up to ? Radius (t@m)	@ Max Radius (t@m)	Hook Height (m)	Length Min/Max (m/m)	Speed Max (m/min)	Speed Min (m/min)	Freestanding Height (m)	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	4.0@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
Jaso	J37NS	4	4.0@11.3	1.0@37.0	189	20.0/37.0	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
Potain	MCT 88	5	5@16.3	1.1@52	n/s	52	82	n/s	51	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
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
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	48.7	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

CRANE GUIDE TOWER CRANES

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max	Max Load	Max Load	Max	Jib	Hoist		Max	Max
		Lifting	up to ?	@ Max	Hook	Length	Speed	Freestanding	Power	
		Capacity	Radius	Radius	Height	Min/Max	Max	Min	Height	Requirement
		(t)	(t@m)	(t@m)	(m)	(m/m)	(m/min)	(m/min)	(m)	(kW)
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7	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	150 EC-B 6 FR.tronic	6	6.00@28.4	1.60@60.0	220	24.4 to 60	140	0	67.5	n/s
Liebherr	150 EC-B 6 Litronic	6	6.00@29.7	1.80@60.0	220	24.4 to 60	140	0	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	8.0@16.0	1.0@65.0	67.2	n/s	60	n/s	n/s	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	
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 FR.tronic	8	8.00@21.6	1.50@60.0	190	24.4 to 60	120	0	67.5	n/s
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.70@60.0	190	24.4 to 60	120	0	67.5	n/s
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	2.10@60.0	328	24.4 to 60	163	0	71.4	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@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	101	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	10.0@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
Jaso	J120.10	10	10.0@17.1	1.6@60	534	27.5/60	80		85.6	
Jaso	150.1	10	10.0@19.4	1.6@65	534	27.5/65	80		81.5	
Jaso	160.1	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
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
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
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	117	n/s	71.2	n/s

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting	Max Load up to ?	Max Load @ Max	Max Hook	Jib Length	Hoist Speed		Max Freestanding	Max Power
		Capacity (t)	Radius (t@m)	Radius (t@m)	Height (m)	Min/Max (m/m)	Max (m/min)	Min (m/min)	Height (m)	Requirement (kW)
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	2.0@65	335	30/65	131	0	61.3	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	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
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
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 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85	118
WOLFFKRAM	WOLFF 6031.12	12	12@21.5	2.8@60	460	30/65	170	29	103.3	96
WOLFFKRAM	WOLFF 7032.12	12	12@27.3	3.2@70	460	25/70	185	31	103.3	90
WOLFFKRAM	WOLFF 6531.12	12	12@26.2	3.3@65	460	30/65	230	29	94.3	96
WOLFFKRAM	WOLFF 7532.12	12	12@32.6	3.4@75	460	30/75	230	29	89.8	96
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	15	93.4	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
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@24.00	3.0@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	118
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5	120
WOLFFKRAM	WOLFF 7532.16	16	16@23	3.3@75	260	30/75	170	21	89.8	96
WOLFFKRAM	WOLFF 7534.16	16.5	16.5@24	3.0@75	460	30/75	185	23		95
WOLFFKRAM	WOLFF 8033.16	16.5	16.5@29.5	2.9@80	460	30/80	185	44	84.8	97
Jaso	J360	18	18.0@24.6	4.0@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	20.00@37.60	4.00@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 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	160	0	68.6	n/s
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2	n/s
WOLFFKRAM	WOLFF 9025	20	20@24.4	2.5@90	400	30/90	125	18	84.7	98
WOLFFKRAM	WOLFF 8033.20	20	20@24.5	2.6@80	400	30/80	190	28	85.2	125
WOLFFKRAM	WOLFF 8540.20	20	20@30.7	4@85	400	30/85	125	18	88.2	121
WOLFFKRAM	WOLFF 6071	20	20@31.8	7.1@60	400	30/60	125	18	88.2	98
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

CRANE GUIDE TOWER CRANES

SADDLE JIB 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)	Hoist Speed Max (m/min)	Hoist Speed Min (m/min)	Max Freestanding Height (m)	Max Power Requirement (kW)
Jaso	J 700	24	24.0@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 24t	24	24@36.9	7.7@80	725	40 / 80	180	0	123.2	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
WOLFFKLAN	WOLFF 8060.25	25	25@30	6@80	400	30/80	159	22	74.7	131
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	75.8	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	36.0@22.0	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 36t	36	35@25.5	7.7@80	725	40 / 80	180	0	123.2	180
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
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	73.4	n/s
WOLFFKLAN	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	21LC750 48t	48	48@20	7.1@80	362.5	40 / 80	90	0	123.2	180
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	50.00@15.20	5.20@81.40	334	36 to 81.4	140	0	80	n/s
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
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	97.5	n/s
WOLFFKLAN	WOLFF 8060.50	50	50@15.2	4.2@80	400	30/80	159	11	68.7	131
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
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	100.00@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

SELF-ERECTING BY MANUFACTURER

Manufacturer	Model	Max Lifting	Max Load up to ?	Max Load @ Max	Max Hook	Jib Length	Hoist Speed		Max Freestanding	Max Power
		Capacity (t)	Radius (t@m)	Radius (t@m)	Height (m)	Min/Max (m/m)	Max (m/min)	Min (m/min)	Height (m)	Requirement (kW)
FM Gru	RB 618 I	1	1.0@12.0	0.6@18.0	20.5	n/s	30	n/s	n/s	n/s
FM Gru	RB 611 I	1.5	1.5@11.3	0.6	22.5	n/s	30	n/s	n/s	n/s
FM Gru	RB 726 I	2	2.0@12.4	0.7@26.0	n/s	n/s	30	n/s	n/s	n/s
FM Gru	RB 828 I	2	2.0@14.0	0.8@28.0	27.5	n/s	n/s	45	n/s	n/s
FM Gru	RB 1030 I	4	4.0@11.2	1.0@35.0	30.5	n/s	40	n/s	n/s	n/s
FM Gru	RB 1030 I	10	4.0@10.0	1.05@30.0	27	n/s	45	n/s	n/s	n/s
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25	2.5	21.3	n/s
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40	4	33.4	n/s
Liebherr	53 K (2)	2	2.00@28.0	1.10@40.0	31	28 to 40	82	0	43.1	n/s
Liebherr	34 K (2)	2.075	2.075@19.5	1.10@33.0	26	25.5 to 33	55	3	39	n/s
Liebherr	42 K.1 (2)	2.5	2.50@21.95	1.20@36.0	28	25.5 to 36	50	4	41.5	n/s
Liebherr	42 KR.1 (2)	2.5	2.50@22.0	1.20@36.0	41.5	25.5 to 36	50	4	41.5	n/s
Liebherr	34 K (2/4)	4	4.00@11.04	1.00@33.0	26	25.5 to 33	55	1.5	39	n/s
Liebherr	42 K.1 (2/4)	4	4.00@14.4	1.10@36.0	27	25.5 to 36	50	2	41.5	n/s
Liebherr	42 KR.1 (2/4)	4	4.00@14.4	1.10@36.0	27	25.5 to 36	50	2	41.5	n/s
Liebherr	120 K.1 (2)	4	4.00@30.4	1.45@50.0	37.4	35 to 50	58	0	54.8	n/s
Liebherr	120 KR.1 (2)	4	4.00@30.0	1.45@50.0	36.3	35 to 50	58	0	36.3	n/s
Liebherr	53 K (2/4)	4.2	4.20@15.3	1.00@40.0	30.4	28 to 40	82	0	43.1	n/s
Liebherr	65 K.1	4.5	4.50@17.60	1.10@43.0	34.6	28 to 40	70	0	51.7	n/s
Liebherr	81 K.1	6	6.00@16.3	1.35@48.0	40.4	31 to 48	70	0	55	n/s
Liebherr	120 K.1 (2/4)	8	8.00@16.4	1.25@50.0	36.7	35 to 50	58	0	54.8	n/s
Liebherr	120 KR.1 (2/4)	8	8.00@14.0	1.25@50.0	35.6	35 to 50	58	0	35.6	n/s
Liebherr	MK 88	8	8.00@12.0	2.20@45.0	30.2	45	75	0	59.1	n/s
Liebherr	MK 140	8	8.00@14.5	1.00@65.0	37.7	58.3 to 65	n/s	n/s	94.8	n/s
Liebherr	L1-24	2.5	2.5@10.4	0.8@27	19	22 to 27	50	0	26	n/s
Potain	Hup 32-27	4	4@12.1	1@32	27	32	65	n/s	n/s	n/s
Potain	Hup 40-30	4	4@15.7	1@40	30	40	65	n/s	n/s	n/s
Potain	Igo 10	1.3	1.3@10.2	0.65@16	16	16	42.5	n/s	n/s	n/s
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5	n/s	n/s	n/s
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39	n/s	n/s	n/s
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39	n/s	n/s	n/s
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39	n/s	n/s	n/s
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s	n/s	n/s
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39	n/s	n/s	n/s
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39	n/s	n/s	n/s
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s	n/s	n/s
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48	n/s	n/s	n/s
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5	n/s	n/s	n/s
Potain	Igo 42	4	4@13.4	1.1@36	23	36	66.5	n/s	n/s	n/s
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5	n/s	n/s	n/s
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68	n/s	n/s	n/s
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69	n/s	n/s	n/s
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63	n/s	n/s	n/s
Saez	H 24 MTF	1.5	1.5@12.3	0.7@24	18	24	25	n/s	n/s	n/s
Saez	H 28	2	2@13.3	0.75@28	19	28	41	n/s	n/s	n/s
Saez	H 32 SR/DR	4	4@10.5	1@32	21	32	41	n/s	n/s	n/s
Saez	H 40	4	4@12.9	1.1@40	23.2	40	55	n/s	n/s	n/s
Terex	CBR 21H-1.6V	1.6	1.6@10	0.6	18.2	11.2-21	36	4	21.6	n/s
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36	4	22.9	n/s
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40	6.6	26.5	n/s
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46	4	27	n/s
Terex	CBR 40H-4	4	4@14.5	1	25.6	27.2-40	46	3	32.2	n/s

CRANE GUIDE TOWER CRANES

SELF-ERECTING BY CAPACITY

Manufacturer	Model	Max Lifting	Max Load up to ?	Max Load @ Max	Max Hook	Jib Length	Hoist Speed		Max Freestanding	Max Power
		Capacity (t)	Radius (t@m)	Radius (t@m)	Height (m)	Min/Max (m/m)	Max (m/min)	Min (m/min)	Height (m)	Requirement (kW)
FM Gru	RB 618 I	1	1.0@12.0	0.6@18.0	20.5	n/s	30	n/s	n/s	n/s
Potain	Igo 10	1.3	1.3@10.2	0.65@16	16	16	42.5	n/s	n/s	n/s
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5	n/s	n/s	n/s
FM Gru	RB 611 I	1.5	1.5@11.3	0.6	22.5	n/s	30	n/s	n/s	n/s
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25	2.5	21.3	n/s
Saez	H 24 MTF	1.5	1.5@12.3	0.7@24	18	24	25	n/s	n/s	n/s
Terex	CBR 21H-1.6V	1.6	1.6@10	0.6	18.2	11.2-21	36	4	21.6	n/s
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39	n/s	n/s	n/s
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39	n/s	n/s	n/s
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39	n/s	n/s	n/s
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s	n/s	n/s
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39	n/s	n/s	n/s
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39	n/s	n/s	n/s
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39	n/s	n/s	n/s
FM Gru	RB 726 I	2	2.0@12.4	0.7@26.0	n/s	n/s	30	n/s	n/s	n/s
FM Gru	RB 828 I	2	2.0@14.0	0.8@28.0	27.5	n/s	n/s	45	n/s	n/s
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40	4	33.4	n/s
Liebherr	53 K (2)	2	2.00@28.0	1.10@40.0	31	28 to 40	82	0	43.1	n/s
Saez	H 28	2	2@13.3	0.75@28	19	28	41	n/s	n/s	n/s
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36	4	22.9	n/s
Liebherr	34 K (2)	2.075	2.075@19.5	1.10@33.0	26	25.5 to 33	55	3	39	n/s
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48	n/s	n/s	n/s
Liebherr	42 K.1 (2)	2.5	2.50@21,95	1.20@36.0	28	25.5 to 36	50	4	41.5	n/s
Liebherr	42 KR.1 (2)	2.5	2.50@22.0	1.20@36.0	41.5	25.5 to 36	50	4	41.5	n/s
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40	6.6	26.5	n/s
Potain	Hup 32-27	4	4@12.1	1@32	27	32	65	n/s	n/s	n/s
Potain	Hup 40-30	4	4@15.7	1@40	30	40	65	n/s	n/s	n/s
FM Gru	RB 1030 I	4	4.0@11.2	1.0@35.0	30.5	n/s	40	n/s	n/s	n/s
Liebherr	34 K (2/4)	4	4.00@11.04	1.00@33.0	26	25.5 to 33	55	1.5	39	n/s
Liebherr	42 K.1 (2/4)	4	4.00@14.4	1.10@36.0	27	25.5 to 36	50	2	41.5	n/s
Liebherr	42 KR.1 (2/4)	4	4.00@14.4	1.10@36.0	27	25.5 to 36	50	2	41.5	n/s
Liebherr	120 K.1 (2)	4	4.00@30.4	1.45@50.0	37.4	35 to 50	58	0	54.8	n/s
Liebherr	120 KR.1 (2)	4	4.00@30.0	1.45@50.0	36.3	35 to 50	58	0	36.3	n/s
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5	n/s	n/s	n/s
Potain	Igo 42	4	4@13.4	1.1@36	23	36	66.5	n/s	n/s	n/s
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5	n/s	n/s	n/s
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68	n/s	n/s	n/s
Saez	H 32 SR/DR	4	4@10.5	1@32	21	32	41	n/s	n/s	n/s
Saez	H 40	4	4@12.9	1.1@40	23.2	40	55	n/s	n/s	n/s
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46	4	27	n/s
Terex	CBR 40H-4	4	4@14.5	1	25.6	27.2-40	46	3	32.2	n/s
Liebherr	53 K (2/4)	4.2	4.20@15.3	1.00@40.0	30.4	28 to 40	82	0	43.1	n/s
Liebherr	65 K.1	4.5	4.50@17.60	1.10@43.0	34.6	28 to 40	70	0	51.7	n/s
Liebherr	81 K.1	6	6.00@16.3	1.35@48.0	40.4	31 to 48	70	0	55	n/s
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69	n/s	n/s	n/s
Liebherr	120 K.1 (2/4)	8	8.00@16.4	1.25@50.0	36.7	35 to 50	58	0	54.8	n/s
Liebherr	120 KR.1 (2/4)	8	8.00@14.0	1.25@50.0	35.6	35 to 50	58	0	35.6	n/s
Liebherr	MK 88	8	8.00@12.0	2.20@45.0	30.2	45	75	0	59.1	n/s
Liebherr	MK 140	8	8.00@14.5	1.00@65.0	37.7	58.3 to 65	n/s	n/s	94.8	n/s
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63	n/s	n/s	n/s
FM Gru	RB 1030 I	10	4.0@10.0	1.05@30.0	27	n/s	45	n/s	n/s	n/s
Liebherr	L1-24	2.5	2,5@10,4	0,8@27	19	22 to 27	50	0	26	n/s

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
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
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
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
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
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
Amco Veba	805T	4,590 lbs	940 @ 24 ft 7 in	33 ft 6 in	24 ft 7 in	74 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	65 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	80 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	49 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	69 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	101 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	77 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	92 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	77 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	101 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	91 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	90 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	91 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	86 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	86 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	86 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	86 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	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
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
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
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
Amco Veba	816T	13,580 lbs	1,500 @ 47 ft 3 in	52 ft 4 in	41 ft 4 in	94 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	99 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	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
Amco Veba	817C	15,810 lbs	1,100 @ 54 ft 6 in	58 ft 2 in	47 ft 3 in	91 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	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
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
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
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
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
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
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
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	1,260 @ 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
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
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
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
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

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
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	1.4475
Cormach	12000 EF	1 t	395 lbs @ 58 ft 10 in	68 ft	52 ft	7 ft 1 in	4530 lbs	1
Cormach	4000 E	2 t	680 lbs @ 33 ft 5 in	43 ft	27 ft 6 in	5 ft 9 in	1520 lbs	2
Cormach	6800 E	3 t	1120 lbs @ 33 ft 2 in	43 ft	27 ft 3 in	5 ft 7 in	2030 lbs	3
Cormach	8700 E	3 t	700 lbs @ 45 ft	55 ft	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	82 ft	71 ft 5 in	7 ft 6 in	7525 lbs	3.8
Cormach	12000 E	5 t	625 lbs @ 50 ft	60 ft	37 ft	7 ft 1 in	3350 lbs	5
Cormach	230000 EF	5 t	1500 lbs @ 150 ft	164 ft	150 ft	9 ft 6 in	57800 lbs	5
Cormach	22500 E	6 t	1960 lbs @ 52 ft	62 ft	52 ft	7 ft 6 in	5160 lbs	6
Cormach	34000 EF	6.5 t	816 lbs @ 87 ft	98 ft	87 ft	8 ft 2 in	10100 lbs	6.5
Cormach	16600 E	7 t	2050 lbs @ 40 ft	50 ft	40 ft	7 ft 6 in	4145 lbs	7
Cormach	28200 E	7 t	1543 lbs @ 64 ft 8 in	75 ft	64 ft 8 in	7 ft 4 in	6000 lbs	7
Cormach	38000 EF	7.3 t	495 lbs @ 94 ft 8 in	106 ft	81 ft 4 in	7 ft 8 in	11530 lbs	7.3
Cormach	19500 E	7.5 t	2500 lbs @ 40 ft	50 ft	40 ft	7 ft 6 in	4400 lbs	7.5
Cormach	34000 E	8 t	1720 lbs @ 68 ft 3 in	80 ft	68 ft 3 in	7 ft 1 in	7780 lbs	8
Cormach	87000 EF	8.5 t	1764 lbs @ 99 ft	111 ft	99 ft	9 ft 8 in	22000 lbs	8.5
Cormach	51800 EF	10.5 t	2730 lbs @ 66 ft 6 in	77 ft	66 ft 6 in	8 ft	15500 lbs	10.5
Cormach	38000 E	11 t	2030 lbs @ 61 ft 6 in	72 ft	61 ft 6 in	7 ft 8 in	9300 lbs	11
Cormach	71000 EF	12.9 t	1100 lbs @ 98 ft 5 in	110 ft	98 ft 5 in	9 ft 7 in	18000 lbs	12.9
Cormach	180000 EF	13.7 t	1480 lbs @ 130 ft	142 ft	130 ft	9 ft	43500 lbs	13.7
Cormach	51800 E	15.4 t	3350 lbs @ 61 ft	71 ft	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	92 ft	80 ft 5 in	8 ft 6 in	13200 lbs	17.6
Cormach	87000 E	22 t	3770 lbs @ 79 ft 8 in	91 ft	79 ft 8 in	8 ft 8 in	15800 lbs	22
Cormach	135000 E	33 t	10140 lbs @ 62 ft 4 in	75 ft	62 ft 4 in	8 ft 6 in	26000 lbs	33
Cormach	180000 E	33 t	7981 lbs @ 78 ft 6 in	89 ft	53 ft 9 in	8 ft 10 in	35900 lbs	33
Cormach	230000 E	46 t	13500 lbs @ 75 ft 6 in	90 ft	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 ft 6 in	80 ft	110 ft	106 in	17,510 lbs	28.66
Effer	1405	28 t	7535 lbs @ 72 ft 3 in	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
IMT	2.5/18	1,740 lbs	715 @ 22 ft 8 in	28 ft 1 in	23 ft	5 ft	850 lbs	0.87
IMT	3.2/23	2,195 lbs	960 @ 23 ft 4 in	29 ft 3 in	23 ft 7 in	5 ft 2 in	920 lbs	1.1
IMT	5/33	2,975 lbs	825 @ 31 ft 2 in	37 ft 7 in	31 ft 6 in	5 ft 9 in	1,255 lbs	1.5

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
IMT	6/39	3,525 lbs	880 @ 34 ft 1 in	37 ft 7 in	31 ft 6 in	6 ft 1 in	1,630 lbs	1.8
IMT	7/48	4,300 lbs	1,145 @ 34 ft 1 in	41 ft	34 ft 5 in	6 ft 3 in	1,905 lbs	2.2
IMT	9/65SL	8,380 lbs	905 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 ft	2,360 lbs	4.2
IMT	9/65DL	9,040 lbs	905 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 ft	2,415 lbs	4.5
IMT	10/72SL	9,722 lbs	1,190 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 ft	2,380 lbs	4.6
IMT	11/78DL	9,280 lbs	1,015 @ 48 ft 11 in	56 ft 9 in	49 ft 3 in	7 ft	2,645 lbs	4.6
IMT	11/78SL	9,170 lbs	1,015 @ 48 ft 11 in	56 ft 9 in	49 ft 3 in	7 ft	2,557 lbs	4.6
IMT	10/72DL	10,384 lbs	1,124 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 ft	2,380 lbs	4.9
IMT	13/88SL	9,920 lbs	750 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 ft 5 in	2,890 lbs	5
IMT	12/86SL	10,626 lbs	1,279 @ 48 ft 11 in	56 ft 9 in	49 ft 3 in	7 ft	2,590 lbs	5.1
IMT	12/86DL	10,670 lbs	1,279 @ 48 ft 11 in	56 ft 9 in	49 ft 3 in	7 ft	2,665 lbs	5.1
IMT	13/88DL	10,780 lbs	750 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 ft 5 in	3,000 lbs	5.4
IMT	14/98SL	11,680 lbs	1036 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 ft 4 in	2,890 lbs	5.5
IMT	14/98DL	12,275 lbs	1014 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 ft 4 in	3,000 lbs	5.9
IMT	15/105SL	12,125 lbs	1060 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 ft 5 in	3,020 lbs	5.9
IMT	17/117SL	13,445 lbs	1389 @ 56 ft 5 in	64 ft 7 in	56 ft 5 in	7 ft 5 in	3,020 lbs	6.4
IMT	15/105DL	13,470 lbs	1060 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 ft 5 in	3,130 lbs	6.7
IMT	18/124SL	13,800 lbs	615 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	3,900 lbs	6.9
IMT	18/124DL	14,265 lbs	615 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,055 lbs	7.4
IMT	17/117DL	15,625 lbs	1389 @ 56 ft 5 in	64 ft 7 in	56 ft 5 in	7 ft 5 in	3,130 lbs	7.4
IMT	32/222	15,058 lbs	1764 @ 69 ft 7 in	77 ft 10 in	69 ft 7 in	7 ft 9 in	5,710 lbs	7.5
IMT	20/138SL	16,200 lbs	948 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	3,900 lbs	7.7
IMT	20/138DL	16,265 lbs	948 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,055 lbs	7.9
IMT	22/153SL	17,065 lbs	880 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,180 lbs	8.5
IMT	22/153DL	17,550 lbs	880 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,365 lbs	8.8
IMT	26/180SL	20,020 lbs	1345 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,180 lbs	9.5
IMT	40/275	19,025 lbs	2225 @ 69 ft 11 in	79 ft	69 ft 11 in	7 ft 10 in	7,165 lbs	9.5
IMT	26/180DL	20,260 lbs	1345 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,365 lbs	9.7
IMT	50/345	22,840 lbs	3085 @ 70 ft 3 in	78 ft 11 in	70 ft 3 in	7 ft 10 in	8,180 lbs	11.4
IMT	60/427	27,845 lbs	4210 @ 67 ft 3 in	76 ft 9 in	67 ft 7 in	7 ft 11 in	9,735 lbs	13.9
IMT	80/565	35,410 lbs	6285 @ 66 ft 7 in	76 ft 9 in	66 ft 11 in	8 ft 2 in	12,345 lbs	17.2
Palfinger	PK 5.001 SLD	7300 lbs	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	n/s
Palfinger	PK 7.001 SLD	7300 lbs	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	n/s
Palfinger	PK 8501	11900 lbs	710@45 ft 11 in	n/s	45 ft 11 in	n/s	2253	n/s
Palfinger	PK 85001 CM	12600 lbs	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	n/s
Palfinger	PK 10000	12570 lbs	1300@46 ft 8 in	n/s	46 ft 8 in	n/s	2270	n/s
Palfinger	PK 11001	12570 lbs	990@46 ft 7 in	n/s	46 ft 7 in	n/s	2460	n/s
Palfinger	PK 11001 CM	12400 lbs	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	n/s
Palfinger	PK 12000	14970 lbs	1170@47 ft 11 in	n/s	47 ft 11 in	n/s	3040	n/s
Palfinger	PK 12001-EH	12570 lbs	1170@46 ft 7 in	n/s	46 ft 7 in	n/s	2510	n/s
Palfinger	PK 13002	13200 lbs	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	n/s
Palfinger	PK 14002-EH	13200 lbs	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	n/s
Palfinger	PK 15500	13670 lbs	1430@47 ft 7 in	n/s	47 ft 7 in	n/s	3570	n/s
Palfinger	PK 16002	13440 lbs	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	n/s
Palfinger	PK 18002-EH	13440 lbs	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	n/s
Palfinger	PK 18500	17673 lbs	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	n/s
Palfinger	PK 19502	13500 lbs	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	n/s
Palfinger	PK 22002-EH	13500 lbs	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	n/s
Palfinger	PK 23500	22046 lbs	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	n/s
Palfinger	PK 23502	19600 lbs	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	n/s
Palfinger	PK 26002-EH	19600 lbs	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	n/s
Palfinger	PK 30002	22050 lbs	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	n/s
Palfinger	PK 32080	18740 lbs	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	n/s
Palfinger	PK 33002-EH	22050 lbs	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	n/s
Palfinger	PK 34002-SH	22100 lbs	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	n/s
Palfinger	PK 37002	28440 lbs	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	n/s
Palfinger	PK 40002-EH	31500 lbs	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	n/s
Palfinger	PK 50002-EH	37030 lbs	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	n/s
Palfinger	PK 63002-EH	48500 lbs	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	n/s
Palfinger	PK 76002-EH	50710 lbs	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	n/s

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
Palfinger	PK 88002-EH	66200 lbs	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	n/s
Palfinger	PK 100002	55100 lbs	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	n/s
Palfinger	PK 150002	63050 lbs	8818@70 ft 6 in	n/s	70 ft 6 in	n/s	24980	n/s
Palfinger	PK 200002 L-SH	88200 lbs	1480@157 ft 3 in	n/s	n/s	n/s	n/s	n/s
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	0.7083333333	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
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	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
IMT	2.5/18	1,740 lbs	715 @ 22 ft 8 in	28 ft 1 in	23 ft	5 ft	850 lbs	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	68 ft	52 ft	7 ft 1 in	4530 lbs	1
IMT	3.2/23	2,195 lbs	960 @ 23 ft 4 in	29 ft 3 in	23ft 7 in	5 ft 2 in	920 lbs	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
IMT	5/33	2,975 lbs	825 @ 31 ft 2 in	37 ft 7 in	31ft 6 in	5 ft 9 in	1,255 lbs	1.5
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
IMT	6/39	3,525 lbs	880 @ 34 ft 1 in	37 ft 7 ft	31 ft 6 in	6 ft 1 in	1,630 lbs	1.8
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	43 ft	27 ft 6 in	5 ft 9 in	1520 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
IMT	7/48	4,300 lbs	1,145 @ 34 ft 1 in	41 ft	34 ft 5 in	6 ft 3 in	1,905 lbs	2.2
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
Amco Veba	805T	4,590 lbs	940 @ 24 ft 7 in	33 ft 6 in	24 ft 7 in	74 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	65 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	80 in	2,050 lbs	2.475
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
Amco Veba	SC5421	5,180 lbs	2,430 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	49 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	69 in	880 lbs	2.635
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
Amco Veba	JT250	5,510 lbs	3,090 @ 41 ft 10 in	54 ft 2 in	41 ft 10 in	101 in	8,380 lbs	2.755
Effer	65/4S	2.5 t	0.5	42 ft 2 in	34 ft 1 in	78 in	2,120 lbs	2.755
Amco Veba	806N	5,880 lbs	880 @ 39 ft 4 in	43 ft 4 in	34 ft 1 in	77 in	2,380 lbs	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	915 lbs	2.9
Cormach	6800 E	3 t	1120 lbs @ 33 ft 2 in	43 ft	27 ft 3 in	5 ft 7 in	2030 lbs	3
Cormach	8700 E	3 t	700 lbs @ 45 ft	55 ft	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
Amco Veba	SC6721	6,170 lbs	2,930 @ 21 ft 0 in	23 ft 0 in	21 ft 0 in	92 in	2,200 lbs	3.085
Effer	80/4S	2.8 t	0.6	43 ft 4 in	35 ft 4 in	82 in	2,225 lbs	3.086
Amco Veba	808N	6,970 lbs	1,040 @ 39 ft 6 in	43 ft 8 in	34 ft 3 in	77 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	101 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	91 in	2,940 lbs	3.64
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
Cormach	22500 EF	3.8 t	620 lbs @ 71 ft 5 in	82 ft	71 ft 5 in	7 ft 6 in	7525 lbs	3.8
PM	4	2,185 lbs	620 @ 29 ft	38 ft 3 in	29 ft	6 ft 8 in	1155 lbs	3.9
PM	0.708333333	2,690 lbs	695 @ 29 ft	38 ft 3 in	29 ft	6 ft 8 in	1155 lbs	3.9
Effer	100/4S	3.7 t	0.75	43 ft 7 in	34 ft 7 in	85 in	2,630 lbs	4.078
IMT	9/65SL	8,380 lbs	905 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 FT	2,360 lbs	4.2
Amco Veba	111	8,820 lbs	1,500 @ 36 ft 6 in	41 ft 8 in	30 ft 1 in	90 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	91 in	2,940 lbs	4.475
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
IMT	9/65DL	9,040 lbs	905 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 FT	2,415 lbs	4.5
IMT	10/72SL	9,722 lbs	11,90 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 FT	2,380 lbs	4.6
IMT	11/78DL	9,280 lbs	1,015 @ 48 ft 11 in	56 ft 9 in	49 FT 3 IN	7FT	2,645 lbs	4.6
IMT	11/78SL	9,170 lbs	1,015 @ 48 ft 11 in	56 ft 9 in	49 FT 3 IN	7 FT	2,557 lbs	4.6

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
Amco Veba	810C	9,230 lbs	1,230 @ 39 ft 10 in	51 ft 2 in	39 ft 10 in	86 in	3,430 lbs	4.615
PM	6.5 P	3,640 lbs	860 @ 31 ft	41 ft 4 in	31 ft	6 ft 8 in	1605 lbs	4.7
Amco Veba	911C	9,440 lbs	1,340 @ 39 ft 10 in	51 ft 2 in	39 ft 10 in	86 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	86 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	86 in	3,530 lbs	4.85
IMT	10/72DL	10,384 lbs	1,124 @ 45 ft 7 in	53 ft 4 in	45 ft 11 in	7 FT	2,380 lbs	4.9
Effer	130/145	4.5 t	0.5	62 ft 1 in	55 ft 1 in	89 in	4,476 lbs	4.96
Cormach	12000 E	5 t	625 lbs @ 50 ft	60 ft	37 ft	7 ft 1 in	3350 lbs	5
Cormach	230000 EF	5 t	1500 lbs @ 150 ft	164 ft	150 ft	9 ft 6 in	57800 lbs	5
IMT	13/88SL	9,920 lbs	750 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 FT 5 IN	2,890 lbs	5
IMT	12/86SL	10,626 lbs	1,279 @ 48 ft 11 in	56 ft 9 in	49 ft 3 in	7 FT	2,590 lbs	5.1
IMT	12/86DL	10,670 lbs	1,279 @ 48 ft 11 in	56 ft 9 in	49 ft 3 in	7 FT	2,665 lbs	5.1
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 lbs	750 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 FT 5 IN	3,000 lbs	5.4
IMT	14/98SL	11,680 lbs	1036 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 FT 4 IN	2,890 lbs	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
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 lbs	1014 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 FT 4 IN	3,000 lbs	5.9
IMT	15/105SL	12,125 lbs	1060 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 FT 5 IN	3,020 lbs	5.9
Cormach	22500 E	6 t	1960 lbs @ 52 ft	62 ft	52 ft	7 ft 6 in	5160 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
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
IMT	17/117SL	13,445 lbs	1389 @ 56 ft 5 in	64 ft 7 in	56 ft 5 in	7 FT 5 IN	3,020 lbs	6.4
Cormach	34000 EF	6.5 t	816 lbs @ 87 ft	98 ft	87 ft	8 ft 2 in	10100 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	15/105DL	13,470 lbs	1060 @ 56 ft 5 in	64 ft 8 in	56 ft 5 in	7 FT 5 IN	3,130 lbs	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
IMT	18/124SL	13,800 lbs	615 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	3,900 lbs	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	50 ft	40 ft	7 ft 6 in	4145 lbs	7
Cormach	28200 E	7 t	1543 lbs @ 64 ft 8 in	75 ft	64 ft 8 in	7 ft 4 in	6000 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	18/124DL	14,265 lbs	615 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,055 lbs	7.4
IMT	17/117DL	15,625 lbs	1389 @ 56 ft 5 in	64 ft 7 in	56 ft 5 in	7 FT 5 IN	3,130 lbs	7.4
Cormach	19500 E	7.5 t	2500 lbs @ 40 ft	50 ft	40 ft	7 ft 6 in	4400 lbs	7.5
IMT	32/222	15,058 lbs	1764 @ 69 ft 7 in	77 ft 10 in	69 ft 7 in	7 FT 9 IN	5,710 lbs	7.5
IMT	20/138SL	16,200 lbs	948 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	3,900 lbs	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	20/138DL	16,265 lbs	948 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,055 lbs	7.9
Cormach	34000 E	8 t	1720 lbs @ 68 ft 3 in	80 ft	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	111 ft	99 ft	9 ft 8 in	22000 lbs	8.5
IMT	22/153SL	17,065 lbs	880 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,180 lbs	8.5
IMT	22/153DL	17,550 lbs	880 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,365 lbs	8.8
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
Effer	250	8.5 t	0.9	63 ft 10 in	56 ft 6 in	98 in	6,865 lbs	9.37
IMT	26/180SL	20,020 lbs	1345 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,180 lbs	9.5
IMT	40/275	19,025 lbs	2225 @ 69 ft 11 in	79 ft	69 ft 11 in	7 FT 10 in	7,165 lbs	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	26/180DL	20,260 lbs	1345 @ 70 ft 10 in	79 ft 1 in	71 ft 2 in	7 ft 6 in	4,365 lbs	9.7
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
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

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@ <i>m</i>)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
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	77 ft	66 ft 6 in	8 ft	15500 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	72 ft	61 ft 6 in	7 ft 8 in	9300 lbs	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 lbs	3085 @ 70 ft 3 in	78 ft 11 in	70 ft 3 in	7 ft 10 in	8,180 lbs	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	110 ft	98 ft 5 in	9 ft 7 in	18000 lbs	12.9
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	142 ft	130 ft	9 ft	43500 lbs	13.7
IMT	60/427	27,845 lbs	4210 @ 67 ft 3 in	76 ft 9 in	67 ft 7 in	7 ft 11 in	9,735 lbs	13.9
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
Cormach	51800 E	15.4 t	3350 lbs @ 61 ft	71 ft	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
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
IMT	80/565	35,410 lbs	6285 @ 66 ft 7 in	76 ft 9 in	66 ft 11 in	8 ft 2 in	12,345 lbs	17.2
Cormach	71000 E	17.6 t	2930 lbs @ 80 ft 5 in	92 ft	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	91 ft	79 ft 8 in	8 ft 8 in	15800 lbs	22
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
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 ft 6 in	80 ft	110 ft	106 in	17,510 lbs	28.66
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 ft 3 in	113 ft 5 in	106 ft 4 in	113 in	n/s	30.86
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	75 ft	62 ft 4 in	8 ft 6 in	26000 lbs	33
Cormach	180000 E	33 t	7981 lbs @ 78 ft 6 in	89 ft	53 ft 9 in	8 ft 10 in	35900 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
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	90 ft	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

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity	Load at Max Radius (t@m)	Maximum Hook Height (m) or (ft/in)	Powered Boom Length (m) or (ft/in)	Folded Height (m) or (ft/in)	Installed Weight (t)	Capacity US Tons
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
Palfinger	PK 5.001 SLD	7300 lbs	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	n/s
Palfinger	PK 7.001 SLD	7300 lbs	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	n/s
Palfinger	PK 8501	11900 lbs	710@45 ft 11 in	n/s	45 ft 11 in	n/s	2253	n/s
Palfinger	PK 85001 CM	12600 lbs	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	n/s
Palfinger	PK 10000	12570 lbs	1300@46 ft 8 in	n/s	46 ft 8 in	n/s	2270	n/s
Palfinger	PK 11001	12570 lbs	990@46 ft 7 in	n/s	46 ft 7 in	n/s	2460	n/s
Palfinger	PK 11001 CM	12400 lbs	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	n/s
Palfinger	PK 12000	14970 lbs	1170@47 ft 11 in	n/s	47 ft 11 in	n/s	3040	n/s
Palfinger	PK 12001-EH	12570 lbs	1170@46 ft 7 in	n/s	46 ft 7 in	n/s	2510	n/s
Palfinger	PK 13002	13200 lbs	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	n/s
Palfinger	PK 14002-EH	13200 lbs	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	n/s
Palfinger	PK 15500	13670 lbs	1430@47 ft 7 in	n/s	47 ft 7 in	n/s	3570	n/s
Palfinger	PK 16002	13440 lbs	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	n/s
Palfinger	PK 18002-EH	13440 lbs	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	n/s
Palfinger	PK 18500	17673 lbs	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	n/s
Palfinger	PK 19502	13500 lbs	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	n/s
Palfinger	PK 22002-EH	13500 lbs	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	n/s
Palfinger	PK 23500	22046 lbs	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	n/s
Palfinger	PK 23502	19600 lbs	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	n/s
Palfinger	PK 26002-EH	19600 lbs	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	n/s
Palfinger	PK 30002	22050 lbs	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	n/s
Palfinger	PK 32080	18740 lbs	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	n/s
Palfinger	PK 33002-EH	22050 lbs	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	n/s
Palfinger	PK 34002-SH	22100 lbs	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	n/s
Palfinger	PK 37002	28440 lbs	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	n/s
Palfinger	PK 40002-EH	31500 lbs	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	n/s
Palfinger	PK 50002-EH	37030 lbs	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	n/s
Palfinger	PK 63002-EH	48500 lbs	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	n/s
Palfinger	PK 76002-EH	50710 lbs	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	n/s
Palfinger	PK 88002-EH	66200 lbs	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	n/s
Palfinger	PK 100002	55100 lbs	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	n/s
Palfinger	PK 150002	63050 lbs	8818@70 ft 6 in	n/s	70 ft 6 in	n/s	24980	n/s
Palfinger	PK 200002 L-SH	88200 lbs	1480@157 ft 3 in	n/s	n/s	n/s	n/s	n/s

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Max Lift Capacity (US tons)	Max Lift Capacity (metric tons)	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)	Normal Travel Weight (t) or (lbs)	Power Source (E/D/LPG)	Tipping Load (%)
Bailey Cranes	Brandon Lite	2.5	2.27	800lbs @ 16 ft	20ft	8ft - 11ft	1.75 mph	4300 lbs	Battery	75
Bailey Cranes	The Brandon	3.6	3.26	800lbs @ 16 ft	24ft	8ft - 22ft	1.75 mph	5200 lbs	Battery	75
Bailey Cranes	IC-9	4.5	4.08	1,450 lbs @ 20 ft	24ft	9ft 2in - 21ft 2in	5 mph	8,900 lbs	Battery/Hybrid	75
Bailey Cranes	Brandon 10	5	4.5	1150Lbs @ 19 ft	32ft	8ft - 22ft	5 mph	9000 lbs	Battery	75
Bailey Cranes	IC-18	9	8.16	1,950 lbs @ 30 ft	42ft	11ft 6in - 30ft	5 mph	16,750 lbs	Battery/Hybrid	75
Bailey Cranes	IC-30	15	13.6	3400 lbs @ 36 ft	55ft	15ft 2in - 36ft 2in	5 mph	28,200 lbs	Battery/Hybrid	75
Bailey Cranes	IC-36	18	16.33	3,650 lbs @ 50 ft	65ft	19ft 6in - 54ft 2 in	5 mph	37,700 lbs	Battery/Hybrid	75
Broderson	IC-20	2.5	2.27	1,200 lbs @ 15 ft	27 ft 9 in	6 ft/15 ft	5.5 mph	6,380 lbs	D/Dual Fuel	75
Broderson	IC-35	4	3.6	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	7860 lbs	D/Dual Fuel	75
Broderson	IC-40	4.5	4.08	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	8920 lbs	D/Dual Fuel	75
Broderson	IC-80-1	9	8.16	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2in	22 mph	16,200 lbs	D/Dual Fuel	75
Broderson	IC-80-2	9	8.16	3,100 lbs @ 24 ft	41 ft	9 ft 5 in - 24 ft	22 mph	16,400 lbs	D/Dual Fuel	75
Broderson	IC-80-3	9	8.16	2,150 lbs@ 30 ft	45 ft 8 in	11 ft 6 in - 30 ft	22 mph	16,750 lbs	D/Dual Fuel	75
Broderson	IC-200-2	15	13.6	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft 2 in	18 mph	28,500 lbs	D/Dual Fuel	75
Broderson	IC-200-3	15	13.6	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	D/Dual Fuel	75
Broderson	RT300	15	13.6	3,200 lbs @ 60 ft	87 ft 11 in	20 ft - 60 ft	23 mph	44,800 lbs	Diesel	75
Broderson	IC-250	18	16.3	3,650 lbs @ 50 ft	87 ft 11 in	15 ft 7 in - 50 ft 1 in	18 mph	37,700 lbs	D/LPG	75
Broderson	IC-400	25	22.7	1,900 lbs @ 84 ft	95 ft	18 ft - 64 ft 6 in	23 mph	54,900 lbs	Diesel	75
EZ Rig Crane	EzRig	1.2	1	1,950 lbs @20 ft	26 ft	9.75/21 ft	n/s	1,300 lbs	E	n/s
Grove	YB4409	8.5	7.7	.98 t @ 9,45 m	10,06 m	2,9/9,5	35,6 km/h	n/s	D/Dual Fuel	n/s
Grove	YB4409XL	8.5	7.7	.91 t @ 10,21 m	10,66 m	3,8/12,2	35,6 km/h	n/s	D/Dual Fuel	n/s
Grove	YB4409-2	9	8.1	.50 t @ 14,63 m	16,76m	4,2/10,0	35,6 km/h	n/s	D/Dual Fuel	n/s
Grove	YB4411	10.5	9.5	.45 t @ 14,63 m	15,85 m	4,2/10,0	35,6 km/h	n/s	D/Dual Fuel	n/s
Grove	YB5515 DF	15	13.6	1,08 t @ 16,0 m	17,37 m	5,6/12,5	23,3 km/h	n/s	Dual Fuel	n/s
Grove	YB5515-2	15	13.6	1,58 t @11,55 m	13,41 m	4,6/12,5	33,8 km/h	n/s	D	n/s
Grove	YB5520	20	18	1,71 t @ 15,54 m	25,60 m	5,64/16,61	33,8 km/h	n/s	D	n/s
Grove	GCD25	25	22.6	1,19 t @ 20,42 m	27,43 m	7,21/21,6	31,22 km/h	n/s	D	n/s
Jekko	SPB209	1.09	0.99	440 lbs @ 21 ft	25 ft 4 in	6 to 20 ft	n/s	1.6 t	E/G/LPG	
Jekko	SPX312	1.32	1.2	440 lbs @ 26 ft 3 in	29 ft 6 in	7 to 25 ft	n/s	1.98 t	E/G/LPG	
Jekko	SPD360	2.18	1.98	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	E/LPG/D	n/s
Jekko	MPK20	2.46	2.2	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	E	n/s
Jekko	SPX527	3.27	2.97	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	D/E	n/s
Jekko	SPX1040	4.85	4.4	1100 lbs @ 43 ft	75 ft	10 to 43 ft	n/s	6.1 t	D/E	n/s
Jekko	SPX1275	8	4.9	1320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	D/E	n/s
JMG	MC20	2.2	2	550 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	2.5 mph	4400 lbs	E	n/s
JMG	MC22	2.4	2.18	550 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	3 mph	4500 lbs	E	n/s
JMG	MC20S	2.75	2.5	600 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	2.5 mph	5500 lbs	E	n/s
JMG	MC25	2.75	2.5	600 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	3 mph	5500 lbs	E	n/s
JMG	MC32	3.5	3.18	1030 lbs @ 13 ft 1 in	22 ft	11 in/13 ft 1 in	3 mph	6750 lbs	E	n/s
JMG	MC40S	4.95	4.5	1750 lbs @ 14 ft 5 in	23 ft	8 in/14 ft 5 in	3 mph	10560 lbs	E	n/s
JMG	MC45	4.95	4.5	1750 lbs @ 13 ft 11 in	23 ft	8 in/13 ft 11 in	5 mph	10500 lbs	E	n/s
JMG	MC60	6.6	6	2100 lbs @ 18 ft 1 in	28 ft	1 ft 8 in/18 ft 1 in	5 mph	14300 lbs	E	n/s
JMG	MC85	9.35	8.5	3600 lbs @ 15 ft 8 in	26 ft	1 ft 8 in/15 ft 8 in	5 mph	20000 lbs	E/D	n/s
JMG	MC110	12.1	11	4400 lbs @ 23 ft 6 in	35 ft	3 ft 3 in/23 ft 6 in	5 mph	29650 lbs	E/D	n/s
JMG	MC160	17.65	16.04	6200 lbs @ 24 ft 7 in	36 ft	3 ft 3 in/24 ft 7 in	5 mph	41000 lbs	E	n/s
JMG	MC220	24.25	22.04	8200 lbs @ 25 ft 3 in	38 ft	3 ft 3 in/25 ft 3 in	5 mph	50400 lbs	E	n/s
JMG	MC300	33	30	10100 lbs @ 27 ft 8 in	42 ft	3 ft 3 in/27 ft 8 in	5 mph	59800 lbs	E	n/s
JMG	MC450	49.6	45.09	13900 lbs @ 27 ft 11 in	40 ft	3 ft 3 in/27 ft 11 in	5 mph	70500 lbs	E	n/s
JMG	MC500	55.1	50.09	14300 lbs @ 30 ft 5 in	45 ft	3 ft 3 in/30 ft 5 in	3 mph	83600 lbs	E	n/s
JMG	MC600	66	60	15400 lbs @ 30 ft 5 in	45 ft	3 ft 3 in/30 ft 5 in	3 mph	85800 lbs	E	n/s
Lift Systems	MBL033	33	30	20,800 lbs @ 20.5 ft	33 ft	15-30 ft	1.7	36,000 lbs	D/LPG	0.85
Lift Systems	TWLO40	40	36	24,100 lbs @ 19 ft	30.5 ft	13-29 ft	1.7	32,000 lbs	D/LPG	0.85
Lift Systems	MBL075	75	68	18,800 lbs @ 35 ft	44 ft	20-44 ft	1.7	49,000 lbs	D/LPG	0.85
Lift Systems	TWLO75	75	68	30,200 lbs @ 22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000 lbs	D/LPG	0.85
Lift Systems	MBL110	110	100	29,200 lbs @ 35 ft	44 ft	21-45 ft	1.7	70,000 lbs	D/LPG	0.85
Lift Systems	TWL110	110	100	38,900 lbs @ 24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000 lbs	D/LPG	0.85
Maeda	MC285-2	3.1	2.81	330 lbs @ 26 ft 10 in	28 ft 6 in	8 ft 3 in-28 ft 1 in	1.36	4,322 lbs	D/E	85
Maeda	MC305-2	3.28	2.97	570 lbs @ 39 ft 6 in	41 ft 0 in	12 ft 1 in-41 ft 0 in	1.7	8,800 lbs	D/E	85
Maeda	MC405	4.24	3.84	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12,400 lbs	D/E	85

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Max Lift Capacity (US tons)	Max Lift Capacity (metric tons)	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)	Normal Travel Weight (t) or (lbs)	Power Source (E/D/LPG)	Tipping Load (%)
Maeda	CC1485	6.6	6	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31,747 lbs	D	75
Manitex	CD-100	10	9.07	4,024 @ 23 ft	33 ft	11.6 ft / 25.4 ft	17.9 mph	16,535 Lbs.	DIESEL	n/s
Manitex	M-150	15	13.6	4,300 @ 55 ft	85.5 ft	24/ 62.5 ft	26 mph	43000	DIESEL	n/s
Manitex	M-300	30	27.2	5,400 @ 70 ft	90 ft	26.2 ft / 77 ft	25 mph	54750	DIESEL	n/s
Ormig	5.5TM	6.06	5.5	0.75@6	9.10 m	3.8/8.8	11.0 km/h	6.7 t	D	n/s
Ormig	5.5TME	6.06	5.5	0.75@6	9.10 m	3.8/8.8	6.25 km/h	7.1 t	E	n/s
Ormig	10TM	11.02	10	2.05@6	8.8 m	4.56/9.56	13.79 km/h	10.4 t	D	n/s
Ormig	10TME	11.02	10	2.05@6	8.8 m	4.56/9.56	10.23 km/h	10.7 t	E	n/s
Ormig	16TM	17.64	16	2.4@7	10.6 m	4.77/10.97	32.05 km/h	14.1 t	D	n/s
Ormig	16TME	17.64	16	2.4@7	10.6 m	4.77/10.97	12.19 km/h	14.4 t	E	n/s
Ormig	25TME	27.56	25	4.2@7.7	12.4 m	5.4/12.4	10.34 km/h	20.5	E	n/s
Ormig	33TM	36.8	33	5@8.5	14.6 m	6.5/14	25 km/h	28 t	D	n/s
Ormig	33TME	36.8	33	5@8.5	14.6 m	6.5/14	7.08 km/h	28.8 t	E	n/s
Ormig	45TME	49.59	45	7.9@9	14.2 m	6.38/14.38	5.37 km/h	29 t	E	n/s
Ormig	60TM	66.1	60	10.3@10.5	15.80 m	7.0/16.5	25.60 km/h	36 t	D	n/s
Ormig	55/60IE	66.1	60	8.7 @ 8.5 m					E	
Ormig	20/25TM	27.56	20/25	4.2@7.7	12.8 m	5.4/12.4	27.50 km/h	18 t	D	n/s
Ormig	50/55TM	60.63	50/55	mt 8.9@9m	14.2 m	6.38/14.38	26.70 km/h	29 t	D	n/s
Riggers Manufacturing	TL100	50	45	39,000 lbs@ 108 in	24.75 ft	0-12 ft	1.7	38,000 lbs	D/LPG	n/s
Riggers Manufacturing	TL150BW	75	68	56,000 lbs@120 in	24.75 ft	0-12 ft	1.7	40,000 lbs	D/LPG	n/s
Riggers Manufacturing	TL220BW	110	100	83,700 lbs@120 in	24.75 ft	0-12 ft	1.7	58,000 lbs	D/LPG	n/s
Shuttlelift	CD3330F	8.5	7.7	.98 t @ 9.45 m	10.06 m	2.9/9.5	35.6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3330FL	8.5	7.7	.91 t @ 10.21 m	10.66 m	3.8/12.2	35.6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3339	9	8.1	.50 t @ 14.63 m	16.76m	4.2/10.0	35.6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3340B	10.5	9.5	.45 t @ 14.63 m	15.85 m	4.2/10.0	35.6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD5540F DF	15	13.6	1.08 t @ 16.0 m	17.37 m	5.6/12.5	23.3 km/h	n/s	Dual Fuel	n/s
Shuttlelift	CD5515-2	15	13.6	1.58 t @11.55 m	13.41 m	4.6/12.5	33.8 km/h	n/s	D	n/s
Shuttlelift	CD5520	20	18	1.71 t @ 15.54 m	25.60 m	5.64/16.61	33.8 km/h	n/s	D	n/s
Shuttlelift	SCD25	25	22.6	1.19 t @ 20.42 m	27.43 m	7.21/21.6	31.22 km/h	n/s	D	n/s
Valla Manitex	25 EL	2.48	2.25	mt 0.4@2.8 m	4.5 m	83	2.5mph	2 t	E	125
Valla Manitex	25 E	2.75	2.5	mt 0.5@2.8 m	4.5 m	81	2.5mph	2.3 t	E	125
Valla Manitex	30 E	3.85	3.5	mt 0.2@4.9 m	6.5 m	90	3.2 mph	2.5 t	E	125
Valla Manitex	35 E	3.85	3.5	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	E	125
Valla Manitex	35 D	3.85	3.5	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	D	125
Valla Manitex	50 E	5.51	5	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	E	125
Valla Manitex	50 D	5.51	5	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	D	125
Valla Manitex	75 E	8.26	7.5	mt 0.9@5.3 m	7.7 m	133	5.6 mph	6.2 t	E	125
Valla Manitex	75 D	8.26	7.5	mt 0.9@5.3 m	7.7 m	133	8 mph	6.2 t	D	125
Valla Manitex	75 LPG	8.26	7.5	mt 0.9@5.3 m	7.7 m	133	8mph	6.2 t	LPG	125
Valla Manitex	90 E	9.92	9	mt 1.9@5.3 m	7.8 m	144	5.6 mph	9 t	E	125
Valla Manitex	90 D	9.92	9	mt 1.9@5.3 m	7.8 m	144	8 mph	9 t	D	125
Valla Manitex	120 E	13.2	12	mt 1.9@7 m	10 m	159	5.5 mph	13 t	E	125
Valla Manitex	120 D	13.2	12	mt 1.9@7 m	10 m	159	9 mph	13 t	D	125
Valla Manitex	120 E Compact	13.2	12	mt 1.9@7 m	10 m	161	9 mph	13 t	E	125
Valla Manitex	120 EVO	13.2	12	mt 1.8@8 m	13 m			13 t		125
Valla Manitex	180 E	19.84	18	mt 3@7 m	10 m	176	5 mph	19 t	E	125
Valla Manitex	180 D	19.84	18	mt 3@7 m	10 m	167	15 km/h	19 t	D	125
Valla Manitex	250 E	27.5	25	mt 4@7 m	10 m	191	5 mph	25 t	E	125
Valla Manitex	250 D	27.5	25	mt 4@7.3 m	10 m	197	10 mph	25 t	D	125

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Max Lift Capacity (US tons)	Max Lift Capacity (metric tons)	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)	Normal Travel Weight (t) or (lbs)	Power Source (E/D/LPG)	Tipping Load (%)
Jekko	SPB209	1.09	0.99	440 lbs @ 21 ft	25 ft 4 in	6 to 20 ft	n/s	1.6 t	E/G/LPG	
EZ Rig Crane	EzRig	1.2	1	1,950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1,300 lbs	E	n/s
Jekko	SPX312	1.32	1.2	440 lbs @ 26 ft 3 in	29 ft 6 in	7 to 25 ft	n/s	1.98 t	E/G/LPG	
Jekko	SPD360	2.18	1.98	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	E/LPG/D	n/s
JMG	MC20	2.2	2	550 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	2.5 mph	4400 lbs	E	n/s
JMG	MC22	2.4	2.18	550 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	3 mph	4500 lbs	E	n/s
Jekko	MPK20	2.46	2.2	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	E	n/s
Valla Manitex	25 EL	2.48	2.25	mt 0.4@2.8 m	4.5 m	83	2.5 mph	2 t	E	125
Bailey Cranes	Brandon Lite	2.5	2.27	800 lbs @ 16 ft	20ft	8ft-11ft	1.75 mph	4300 lbs	Battery	75
Broderson	IC-20	2.5	2.27	1,200 lbs @ 15 ft	27 ft. 9 in.	6 ft./15 ft.	5.5 mph	6,380 lbs	D/Dual Fuel	75
JMG	MC20S	2.75	2.5	600 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	2.5 mph	5500 lbs	E	n/s
JMG	MC25	2.75	2.5	600 lbs @ 12 ft 11 in	20 ft	10 in/12 ft 11 in	3 mph	5500 lbs	E	n/s
Valla Manitex	25 E	2.75	2.5	mt 0.5@2.8 m	4.5 m	81	2.5 mph	2.3 t	E	125
Maeda	MC285-2	3.1	2.81	330 lbs @ 26 ft 10 in	28 ft 6 in	8 ft 3 in-28 ft 1 in	1.36	4,322 lbs	D/E	85
Jekko	SPX527	3.27	2.97	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	D/E	n/s
Maeda	MC305-2	3.28	2.97	570 lbs @ 39 ft 6 in	41 ft 0 in	12 ft 1 in-41 ft 0 in	1.7	8,800 lbs	D/E	85
JMG	MC32	3.5	3.18	1030 lbs @ 13 ft 1 in	22 ft	11 in/13 ft 1 in	3 mph	6750 lbs	E	n/s
Bailey Cranes	The Brandon	3.6	3.26	800lbs @ 16 ft	24 ft	8ft-22 ft	1.75 mph	5200 lbs	Battery	75
Valla Manitex	30 E	3.85	3.5	mt 0.2@4.9 m	6.5 m	90	3.2 mph	2.5 t	E	125
Valla Manitex	35 E	3.85	3.5	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	E	125
Valla Manitex	35 D	3.85	3.5	mt 0.4@4.9 m	6.5 m	90	5 mph	3 t	D	125
Broderson	IC-35	4	3.6	1,850 lbs @ 19 ft	33 ft.	7 ft 2in - 19 ft 2in	10 mph	7860 lbs	D/Dual Fuel	75
Maeda	MC405	4.24	3.84	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12,400 lbs	D/E	85
Bailey Cranes	IC-9	4.5	4.08	1,450 lbs @ 20 ft	24ft	9ft2in-21ft 2in	5mph	8,900 lbs	Battery/Hybrid	75
Broderson	IC-40	4.5	4.08	1,850 lbs @ 19 ft	33 ft.	7 ft 2in - 19 ft 2in	10 mph	8920	D/Dual Fuel	75
Jekko	SPX1040	4.85	4.4	1100 lbs @ 43 ft	75 ft	10 to 43 ft	n/s	6.1 t	D/E	n/s
JMG	MC40S	4.95	4.5	1750 lbs @ 14 ft 5 in	23 ft	8 in/14 ft 5 in	3 mph	10560 lbs	E	n/s
JMG	MC45	4.95	4.5	1750 lbs @ 13 ft 11 in	23 ft	8 in/13 ft 11 in	5 mph	10500 lbs	E	n/s
Bailey Cranes	Brandon 10	5	4.5	1150 lbs @ 19 ft	32ft	8ft-22ft	5 mph	9000 lbs	Battery	75
Valla Manitex	50 E	5.51	5	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	E	125
Valla Manitex	50 D	5.51	5	mt 0.8@4.9 m	7 m	106	5 mph	5.5 t	D	125
Ormig	5.5TM	6.06	5.5	0.75@6	9.10 m	3.8/8.8	11.0 km/h	6.7 t	D	n/s
Ormig	5.5TME	6.06	5.5	0.75@6	9.10 m	3.8/8.8	6.25 km/h	7.1 t	E	n/s
JMG	MC60	6.6	6	2100 lbs @ 18 ft 1 in	28 ft	1 ft 8 in/18 ft 1 in	5 mph	14300 LBS	E	n/s
Maeda	CC1485	6.6	6	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31,747 lbs	D	75
Jekko	SPX1275	8	4.9	1320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	D/E	n/s
Valla Manitex	75 E	8.26	7.5	mt 0.9@5.3 m	7.7 m	133	5.6 mph	6.2 t	E	125
Valla Manitex	75 D	8.26	7.5	mt 0.9@5.3 m	7.7 m	133	8 mph	6.2 t	D	125
Valla Manitex	75 LPG	8.26	7.5	mt 0.9@5.3 m	7.7 m	133	8mph	6.2 t	LPG	125
Grove	YB4409	8.5	7.7	98 t @ 9,45 m	10,06 m	2,9/9,5	35,6 km/h	n/s	D/Dual Fuel	n/s
Grove	YB4409XL	8.5	7.7	91 t @ 10,21 m	10,66 m	3,8/12,2	35,6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3330F	8.5	7.7	98 t @ 9,45 m	10,06 m	2,9/9,5	35,6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3330FL	8.5	7.7	91 t @ 10,21 m	10,66 m	3,8/12,2	35,6 km/h	n/s	D/Dual Fuel	n/s
Bailey Cranes	IC-18	9	8.16	1,950 lbs @ 30 ft	42 ft	11 ft 6 in - 30 ft	5mph	16,750 lbs	Battery/Hybrid	75
Broderson	IC-80-1	9	8.16	3,800 lbs @ 20 ft	37 ft. 5 in.	8 ft. 2 in - 20 ft. 2in	22 mph	16,200 lbs	D/Dual Fuel	75
Broderson	IC-80-2	9	8.16	3,100 lbs @ 24 ft	41 ft.	9 ft. 5 in - 24 ft.	22 mph	16,400 lbs	D/Dual Fuel	75
Broderson	IC-80-3	9	8.16	2,150 lbs@ 30 ft	45 ft. 8 in	11 ft. 6 in - 30 ft.	22 mph	16,750 lbs	D/Dual Fuel	75
Grove	YB4409-2	9	8.1	50 t @ 14,63 m	16,76 m	4,2/10,0	35,6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3339	9	8.1	50 t @ 14,63 m	16,76 m	4,2/10,0	35,6 km/h	n/s	D/Dual Fuel	n/s
JMG	MC85	9.35	8.5	3600 lbs @ 15 ft 8 in	26 ft	1 ft 8 in/15 ft 8 in	5 MPH	20000 lbs	E/D	n/s
Valla Manitex	90 E	9.92	9	mt 1.9@5.3 m	7.8 m	144	5.6 mph	9 t	E	125
Valla Manitex	90 D	9.92	9	mt 1.9@5.3 m	7.8 m	144	8 mph	9 t	D	125
Manitex	CD-100	10	9.07	4,024 @ 23 ft	33 ft	11.6 ft / 25.4 ft	17.9 mph	16,535 lbs	DIESEL	n/s
Grove	YB4411	10.5	9.5	45 t @ 14,63 m	15,85 m	4,2/10,0	35,6 km/h	n/s	D/Dual Fuel	n/s
Shuttlelift	CD3340B	10.5	9.5	45 t @ 14,63 m	15,85 m	4,2/10,0	35,6 km/h	n/s	D/Dual Fuel	n/s
Ormig	10TM	11.02	10	2.05@6	8.8 m	4.56/9.56	13.79 km/h	10.4 t	D	n/s
Ormig	10TME	11.02	10	2.05@6	8.8 m	4.56/9.56	10.23 km/h	10.7 t	E	n/s
JMG	MC110	12.1	11	4400 lbs @ 23 ft 6 in	35 ft	3 ft 3 in/23 ft 6 in	5 mph	29650 lbs	E/D	n/s
Valla Manitex	120 E	13.2	12	mt 1.9@7 m	10 m	159	5.5 mph	13 t	E	125

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Max Lift Capacity (US tons)	Max Lift Capacity (metric tons)	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)	Normal Travel Weight (t) or (lbs)	Power Source (E/D/LPG)	Tipping Load (%)
Valla Manitex	120 D	13.2	12	mt 1.9@7 m	10 m	159	9 mph	13 t	D	125
Valla Manitex	120 E Compact	13.2	12	mt 1.9@7 m	10 m	161	9 mph	13 t	E	125
Valla Manitex	120 EVO	13.2	12	mt 1.8@8 m	13 m			13 t		125
Bailey Cranes	IC-30	15	13.6	3400 lbs @ 36 ft	55 ft	15ft 2in - 36ft 2in	5mph	28,200 lbs	Battery/Hybrid	75
Broderson	IC-200-2	15	13.6	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft 2 in	18 mph	28,500 lbs	D/Dual Fuel	75
Broderson	IC-200-3	15	13.6	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	D/Dual Fuel	75
Broderson	RT300	15	13.6	3,200 lbs @ 60 ft	87 ft 11 in	20 ft - 60 ft	23 mph	44,800 lbs	Diesel	75
Grove	YB5515 DF	15	13.6	1,08 t @ 16,0 m	17,37 m	5,6/12,5	23,3 km/h	n/s	Dual Fuel	n/s
Grove	YB5515-2	15	13.6	1,58 t @11,55 m	13,41 m	4,6/12,5	33,8 km/h	n/s	D	n/s
Manitex	M-150	15	13.6	4,300 @ 55 ft	85.5 ft	24/ 62.5 ft	26 mph	43000	DIESEL	n/s
Shuttelift	CD5540F DF	15	13.6	1,08 t @ 16,0 m	17,37 m	5,6/12,5	23,3 km/h	n/s	Dual Fuel	n/s
Shuttelift	CD5515-2	15	13.6	1,58 t @11,55 m	13,41 m	4,6/12,5	33,8 km/h	n/s	D	n/s
Ormig	16TM	17.64	16	2.4@7	10.6 m	4.77/10.97	32.05 km/h	14.1 t	D	n/s
Ormig	16TME	17.64	16	2.4@7	10.6 m	4.77/10.97	12.19 km/h	14.4 t	E	n/s
JMG	MC160	17.65	16.04	6200 lbs @ 24 ft 7 in	36 ft	3 ft 3 in/24 ft 7 in	5 MPH	41000 LBS	E	n/s
Bailey Cranes	IC-36	18	16.33	3,650 lbs @ 50 ft	65 ft	19 ft 6 in - 54 ft 2 in	5mph	37,700 lbs	Battery/Hybrid	75
Broderson	IC-250	18	16.3	3,650 lbs @ 50 ft	87 ft 11 in	15 ft 7 in - 50 ft 1 in	18 mph	37,700 lbs	D/LPG	75
Valla Manitex	180 E	19.84	18	mt 3@7 m	10 m	176	5 mph	19 t	E	125
Valla Manitex	180 D	19.84	18	mt 3@7 m	10 m	167	15 km/h	19 t	D	125
Grove	YB5520	20	18	1,71 t @ 15,54 m	25,60 m	5,64/16,61	33,8 km/h	n/s	D	n/s
Shuttelift	CD5520	20	18	1,71 t @ 15,54 m	25,60 m	5,64/16,61	33,8 km/h	n/s	D	n/s
JMG	MC220	24.25	22.04	8200 lbs @ 25 ft 3 in	38 ft	3 ft 3 in/25 ft 3 in	5 mph	50400 lbs	E	n/s
Broderson	IC-400	25	22.7	1,900 lbs @ 84 ft	95 ft	18 ft - 64 ft 6 in	23 mph	54,900 lbs	Diesel	75
Grove	GCD25	25	22.6	1,19 t @ 20,42 m	27,43 m	7,21/21,6	31,22 km/h	n/s	D	n/s
Shuttelift	SCD25	25	22.6	1,19 t @ 20,42 m	27,43 m	7,21/21,6	31,22 km/h	n/s	D	n/s
Valla Manitex	250 E	27.5	25	mt 4@7 m	10 m	191	5 mph	25 t	E	125
Valla Manitex	250 D	27.5	25	mt 4@7.3 m	10 m	197	10 mph	25 t	D	125
Ormig	20/25TM	27.56	20/25	4.2@7.7	12.8 m	5.4/12.4	27.50 km/h	18 t	D	n/s
Ormig	25TME	27.56	25	4.2@7.7	12.4 m	5.4/12.4	10.34 km/h	20.5	E	n/s
Manitex	M-300	30	27.2	5,400 @ 70 ft	90 ft	26.2 ft / 77 ft	25 mph	54750	DIESEL	n/s
JMG	MC300	33	30	10100 lbs @ 27 ft 8 in	42 ft	3 ft 3 in/27 ft 8 in	5 mph	59800 lbs	E	n/s
Lift Systems	MBL033	33	30	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000 lbs	D/LPG	0.85
Ormig	33TM	36.8	33	5@8.5	14.6 m	6.5/14	25 km/h	28 t	D	n/s
Ormig	33TME	36.8	33	5@8.5	14.6 m	6.5/14	7.08 km/h	28.8 t	E	n/s
Lift Systems	TWLO40	40	36	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000 lbs	D/LPG	0.85
Ormig	45TME	49.59	45	7,9@9	14.2 m	6.38/14.38	5.37 km/h	29 t	E	n/s
JMG	MC450	49.6	45.09	13900 lbs @ 27 ft 11 in	40 ft	3 ft 3 in/27 ft 11 in	5 mph	70500 lbs	E	n/s
Riggers Manufacturing	TL100	50	45	39,000 lbs @ 108 in	24.75 ft	0-12 ft	1.7	38,000 lbs	D/LPG	n/s
JMG	MC500	55.1	50.09	14300 lbs @ 30 ft 5 in	45 ft	3 ft 3 in/30 ft 5 in	3 mph	83600 lbs	E	n/s
Ormig	50/55TM	60.63	50/55	mt 8.9@9m	14.2 m	6.38/14.38	26.70 km/h	29 t	D	n/s
JMG	MC600	66	60	15400 lbs @ 30 ft 5 in	45 ft	3 ft 3 in/30 ft 5 in	3 mph	85800 lbs	E	n/s
Ormig	60TM	66.1	60	10.3@10.5	15.80 m	7.0/16.5	25.60 km/h	36 t	D	n/s
Ormig	55/60E	66.1	60	8.7 @ 8.5 mt					E	
Lift Systems	MBL075	75	68	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000 lbs	D/LPG	0.85
Lift Systems	TWLO75	75	68	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000 lbs	D/LPG	0.85
Riggers Manufacturing	TL150BW	75	68	56,000 lbs@120 in	24.75 ft	0-12 ft	1.7	40,000 lbs	D/LPG	n/s
Lift Systems	MBL110	110	100	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000 lbs	D/LPG	0.85
Lift Systems	TWL110	110	100	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000 lbs	D/LPG	0.85
Riggers Manufacturing	TL220BW	110	100	83,700 lbs@120 in	24.75 ft	0-12 ft	1.7	58,000 lbs	D/LPG	n/s

RUBBER TIRED GANTRY CRANES BY MANUFACTURER

Manufacturer	Model	Standard Inside Clear Height/Hook Height (ft)	Standard Inside Clear Width (ft)	Number of Tires	Remote Control Capability Y/N	Steering Mode	Driving Speed (mph)	Capacity US Tons
Enerpac	Travel Gantry	20	30 x 15	4	Y	Carrousel	3	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 15	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	15
Shuttlelift	SB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	30
Shuttlelift	SB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	SB 70	25 (customizable)	30 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	70
Shuttlelift	SB 100	35 (customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	100
Shuttlelift	SB 120	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	120
Shuttlelift	SB 150	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	150
Shuttlelift	DB 30	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	30
Shuttlelift	DB 50	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	DB 70	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	70
Shuttlelift	DB 100	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	100
Shuttlelift	DB 110	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	110
Shuttlelift	DB 200	40 (customizable)	50 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Dual Range	200
Shuttlelift	SL 15II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	15
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	25
Shuttlelift	SL 35II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	35
Shuttlelift	SL 50II	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	SL 75II	22 (customizable)	21 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	75
Shuttlelift	SL 85II	25 (customizable)	24 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	85
Shuttlelift	SL 100II	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	100
Shuttlelift	SL 150II	30 (customizable)	28 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	150
Shuttlelift	SL 200II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	200
Shuttlelift	SL 250	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	250
Shuttlelift	SL 300	34 (customizable)	32 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	300
Shuttlelift	SL 400	37 (customizable)	35 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	400
Shuttlelift	SL 500	40 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	500
Shuttlelift	SL 600	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	600
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	700
Shuttlelift	SL 800	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	800
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	1000
Shuttlelift	ISL 15	16 (customizable)	15 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	15
Shuttlelift	ISL 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	30
Shuttlelift	ISL 40	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	40
Shuttlelift	ISL 50	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	ISL 60	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	60
Shuttlelift	ISL 70	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	70
Shuttlelift	ISL 100	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	100
Shuttlelift	ISL 150	35 (customizable)	40 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Dual Range	150

RUBBER TIRIED 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	Driving Speed (mph)	Capacity US Tons
Shuttlelift	SB 15	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	15
Shuttlelift	SL 15I	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	15
Shuttlelift	ISL 15	16 (customizable)	15 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	15
Shuttlelift	SL 25I	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	25
Shuttlelift	SB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	30
Shuttlelift	DB 30	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	30
Shuttlelift	ISL 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	30
Shuttlelift	SL 35I	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	35
Shuttlelift	ISL 40	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	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	Single Range	50
Shuttlelift	DB 50	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	SL 50I	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	ISL 50	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	50
Shuttlelift	ISL 60	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	60
Enerpac	Travel Gantry	20	30 x 15	4	Y	Carrousel	3	67
Shuttlelift	SB 70	25 (customizable)	30 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	70
Shuttlelift	DB 70	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	70
Shuttlelift	ISL 70	25 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	70
Shuttlelift	SL 75I	22 (customizable)	21 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	75
Shuttlelift	SL 85I	25 (customizable)	24 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	85
Shuttlelift	SB 100	35 (customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	100
Shuttlelift	DB 100	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	100
Shuttlelift	SL 100I	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Single Range	100
Shuttlelift	ISL 100	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	100
Shuttlelift	DB 110	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	110
Shuttlelift	SB 120	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	120
Shuttlelift	SB 150	(customizable)	(customizable)	4	Yes	2 wheel 90 degree or All Wheel	Dual Range	150
Shuttlelift	SL 150I	30 (customizable)	28 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	150
Shuttlelift	ISL 150	35 (customizable)	40 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Dual Range	150
Shuttlelift	DB 200	40 (customizable)	50 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Dual Range	200
Shuttlelift	SL 200I	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	200
Shuttlelift	SL 250	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	250
Shuttlelift	SL 300	34 (customizable)	32 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	300
Shuttlelift	SL 400	37 (customizable)	35 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	Single Range	400
Shuttlelift	SL 500	40 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	500
Shuttlelift	SL 600	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	600
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	700
Shuttlelift	SL 800	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	800
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	Single Range	1000

SC&RA BY THE NUMBERS

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(209) 931-3093
Tom Pistacchio, Owner
www.cozadtrailers.com;
americatrailercompany.com
Cozad produces specialized and heavy haul trailers in the 35- to 85-ton capacity range.

Aspen Custom Trailers

3914 81st Avenue
Leduc AB T9E 0C3 Canada
(800) 832-9410
Phil Johnston, President
Murray Johnston, Founder
www.aspen-trailer.com
Aspen manufactures heavy haul trailers, multi-axle heavy transporters, trailers for hauling wind energy components and blades as well as trailers designed for the mining sector.

Access World Logistics Corporation

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

Cometto Industrie S.P.A.

12011 Borgo S. Dalmazzo
Cuneo Via Cuneo, 20 Italy
+39 0171 263300
Stefano Tondelli, North American
Director
www.cometto.com
Industrie Cometto S.P.A. produces trailers, semi-trailers and self-propelled modular transporters (SPMTs).

E.D. Etnyre & Co.

1333 So. Daysville Road
Oregon, IL 61061-9778 USA
(815) 732-2116
Don Etnyre, Vice President, Sales
www.etnyre.com
E.D. Etnyre & Co. produces the Blackhawk line of trailers as well as rear-loading paving trailers, folding gooseneck trailers, the R Series fixed gooseneck trailers and a line of trailers for hauling wind components.

Eager Beaver Trailers

14859 Hwy. 27
Lake Wales, FL 33859 USA
(800) 257-8163
Tina Flowers, National Sales
Manager
www.EBTrailers.com
Eager Beaver Trailers manufactures

lowbed and equipment hauling semitrailers from 6 to 100-ton capacity for the North/South American market. Eager Beaver Trailers is a registered brand name of General Engines Co.

Elk River Machine Company

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

Enerpac

N86W12500 Westbrook Crossing
Menomonee Falls, WI 53051 USA
(262) 293-1600
Peter Crisci, Global Business
Development Leader
www.enerpac.com
Enerpac produces hydraulic gantries, high pressure hydraulic tools and equipment and SPMTs designed to operate in small spaces.

Engineered Rigging

300 Industrial Blvd.
Russellville, AR 72802 USA
(844) 474-4448
Christopher E. Cox, P.E., President
www.engineeredrigging.com
Produces the pipe modular lift system, SPMTs, power slide systems, Torpedo Car Jack & Slide System, gantries and modular jacking towers.

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21310 Highway 6
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Edoardo Ascione, president
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Duarrefstrooss 8, 9990
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352 26 90 04 155
Arnold Luxen, Sales Manager
www.faymonville.com
Faymonville manufactures a range of trailers, semi-trailers and SPMTs with payloads ranging from 20 to 2,000 tons.

Fontaine Heavy Haul

5398 US Highway 11
Springville, AL 35146 USA
(205) 467-6171
Jeff Connor, Director of Sales
www.fontaineheavyhaul.com
Produces flatbeds, drop decks, low beds, telescopic and specialized transport trailers.

Goldhofer Aktiengesellschaft

Donaustraße 95
Memmingen D-87700 Germany
011-49-8331-15-619
www.goldhofer.de
Stefan Kohler, Area Sales Manager
Goldhofer produces heavy duty trailers, semitrailers, SPMTs, aircraft tugs specialized transport systems and wind component trailers.

Greenfield Products

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

Heil Trailer International

5741 Cornelison Road
Chattanooga, TN 37411 USA
(423) 499-1300
Greg Heyer, Vice President
www.heiltrailer.com
Heil Trailer builds tank trailers and its subsidiaries build trailers for the heavy haul and wind industries.

HMR Supplies

35545 Hwy 69
Forest City, IA 50436 USA
(641) 585-3630
Norma Hertzner, Marketing
www.hmr-supplies.com
HMR Supplies produces modular dollies, boom dollies and custom transporters for a variety of specialized hauling and transport needs.

International Specialized Trailer

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

Kalyn/Siebert Inc.

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

KAMAG Transporttechnik

Liststrasse 3 Ulm 89079 Germany
49 (0) 731/ 4098 - 0

Roland Fischer, Area Manager,
Sales
www.kamag.com
As a member of the worldwide TII-Group, KAMAG stands for advanced technology and outstanding product quality. Develops and produces modular-trailers, semi-trailers, industrial lift and shipyard transporters and vehicles for special applications.

Kitchen's Crane & Equipment

4901 Cedar Cliff Road
Chester, VA 23831 USA
(804) 814-4844
www.kitchensequipment.com
A leading source for hydraulic gantries, trailers, SPMTs and other specialized transport equipment.

KTSDI-Kessler

801 E Middletown Road
North Lima, OH 44452 USA
(330) 783-2000
Ken Timmings, President
www.ktsdi.com
KTSDI-Kessler is a parts and service provider for Kessler Axle, Mobil Elektronik, Alfred Heyd & Neumeister.

K-Line Trailers Ltd.

27360 - 58th Crescent
Langley BC V4W 3W7 Canada
(604) 856-7899
David Knight, President
www.klinetrailers.com
K-Line Trailers builds specialized dump bodies and lowbeds, as well as a line of heavy haul trailers that serve the over-dimensional and specialized markets including trailers for mining and hauling wind components.

Lampson International

P.O. Box 6510
Kennewick, WA 99336 USA
(509) 586-0411
Bill Lampson, President & CEO
www.lampsoncrane.com
Lampson International is a single source for all heavy lift and transport needs from conventional crane rentals, to heavy lift and transport engineering, to the provision and engineering of extreme capacity lift and transport equipment.

Landoll Corporation

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

Loadcraft Industries Ltd.

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

Load King

701 E Rose St.
Elk Point, SD 57025 USA
(605) 356-3301
Jim Peterson, General Manager
www.loadkingtrailers.com
Load King produces trailers for hauling construction equipment and other heavy haul needs.

Mammoet USA

20525 F.M. 521
Rosharon, TX 77583 USA
(281) 369-2200
Jacques Stoof, Managing Director
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

6448 U.S. Route 224 E.
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.

NICOLAS Industrie S.A.S

A9 Avenue due Tertre
Champs-sur-Yonne 89290 France
33 (0) 386 53 52-00
Roland Fischer, Area Manager
Sales
www.nicolas.fr
As a member of the worldwide TII-Group, NICOLAS stands for advanced technology and outstanding product quality in heavy duty transportation. NICOLAS develops and produces transporters such as modular trailers, semi-trailers, industrial lift and shipyard transporters as well as vehicles for special applications.

Precision Enterprises Inc.

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

Ridewell Suspensions

P.O. Box 4586
Springfield, MO 65808 USA
(800) 641-4122
Rick Rickman, Vice President,
Sales
www.ridewellcorp.com
Ridewell Suspensions manufactures a full range of heavy duty suspensions including the RAR-240, RAR-260 and the latest RAR-266 suspension systems.

Rigging Gear Sales

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

Rogers Brothers Corp.

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

SCHEUERLE Fahrzeugfabrik GmbH

Otto-Rettenmaier-Str. 15
Pfedelbach 74629 Germany
49 7941 691-0
Roland Fischer, Area Manager,
Sales
www.scheuerle.com
As a member of the worldwide leading TII-Group, SCHEUERLE stands for advanced technology and outstanding product quality in heavy duty transportation. SCHEUERLE develops and produces transporters such as SPMTs, semi-trailers, industrial lift and shipyard transporters as well as vehicles for special applications.

Siebert Wind

807 Erin Street
Monroe, LA 71201 USA
(318) 235-4104
www.heiltrailer.com/siebert-wind
Siebert Wind is a division of

Kalyn Siebert Inc. and offers a complete line of trailers built specifically for the transportation of wind turbines and related equipment.

Talbert Manufacturing, Inc.

1628 W. State Road 114
Rensselaer, IN 47978 USA
(219) 866-7141
Greg Smith, Vice President
www.talbertmfg.com
Talbert been manufacturing world-class heavy haul trailers since 1938. Talbert's trailers are used in construction, mining, oil and gas, transportation, specialized heavy hauling and a variety of other industries.

Temisko 1983 Inc.

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

Thru-Way Trailers

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

Trail King Industries Inc.

300 East Norway Avenue
Mitchell, SD 57301-7064 USA
(800) 843-3324
Shawn Murtha, National Accounts
Manager
www.trailking.com
Trail King manufactures a wide variety of custom hauling solutions for the specialized transport industry, including multi-axle suspension beam and dual lane transport trailers, extendables, hydraulic steering dollies and Schnable necks, wind turbine blade haulers and more.

Trail-Eze Trailers

P.O. Box 1188
Mitchell, SD 57301 USA
(605) 996-5571
Dean Oehlerking, President
www.trailleze.com
Trail-Eze produces custom-designed heavy haul and multi-axle trailers. It provides equipment-hauling trailers with payload capacities from 10 to 75 tons.

TrailMax Trailers

P.O. Box 987
Caldwell, ID 83606 USA
(208) 455-7551
Mike Lemrick, President
www.trailmax.com
TrailMax Trailers produces a line of trailers for transporting large-scale construction equipment and OW/OS cargoes.

TransWorld Manufacturing

6101 Dean Martin Drive
Las Vegas, NV 89118 USA
(702) 798-8920
www.transworldmanufacturing.com
Crystal Dieleman, President
TransWorld produces boom dollies, rigging gear and other specialized transportation equipment and vehicles.

TSP (Transport Systems And Products, Inc.)

P.O. Box 4236
Stamford, CT 06907 USA
(203) 322-3723
Tony Sabia, President
www.tpsalesandservice.com
TSP offers a full range of specialized transporters including SPMTs, hydraulic platform trailers, North American highway trailers, shipyard transporters, windmill transporters, railway transporters and tunnel construction equipment manufactured by the TII Group. The company also distributes products geared toward the specialized transportation and marine industries.

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
Leading manufacturer of specialized heavy haul trailers for the construction, commercial, agriculture, wind energy, oil and gas, and custom-style trailer markets. XL offers superior hauling solutions to fit any application; XL's trailers are built to last and designed for individual customers, resulting in the best resale value in the industry.

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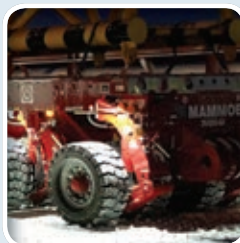
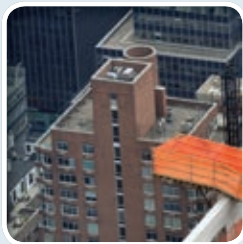
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ASSOCIATIONS

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 Executive Vice President
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	Clint Wood Chief Operating Officer
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, Vallep , 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
IRONPLANET	4695 Chabot Drive Pleasanton, CA 94588	USA	(888) 433-5426	www.ironplanet.com	Jeff Jeter President
J J Kane Auctioneers	1000 Lenola Road Maple Shade, NJ 8052	USA	(855) 462-5263	www.jkane.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
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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
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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/ Communciations
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

CONTROL DEVICES continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Flodraulics Inc.	3539 N County Road 700 W Greenfield, IN 46140	USA	(317) 890-3700	www.flodraulics.com	Tyler Ellis Marketing Manager
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
J M erritt Controls Inc.	55 Sperry Avenue Stratford, CT 06615	USA	(203) 381-0100	www.jmerritt.c om	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.oralco.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	
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 V ba	Gian Paolo Aschero Bolingbrook, IL 60440	USA	(630) 326-6900	www.fischercrane.com	Lee OHara
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	Weston Settlemier President
BMC Broderon Manufacturing	14741 W. 106th Street Lenexa, KS 66215	USA	(913) 888-0606	www.bmccranes.com	Dennis McKee Senior Vice President
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 Glaer 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.ezig.crane.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 OHara 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 Litruck 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.jeng.co.com	Kevin L. Johnston President
Jekko USA	4517 North Point Blvd. Baltimore, MD 21219	USA	(410) 344-5011	www.jk.kousa.com	Rich Caudill Product Manager
Jost	1170 Hayes Grand Haven, MI 49417	USA	(800) 253-5105	www.p.stinternational.com	Scott Vandermolten Sales
Kobelco Cranes North America	10845 Train Court Houston, TX 77041	USA	(713) 856-5755	www.kobelcocranes norhtamerica.com	Jack Fendrick President
Koenig Cranes North America	2190 A- Carpenter Street Abbotsford, BC V2T 4X2	Canada	(877) 852-2192	www.koenigcranes.com	John Majrnik Specialist
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	Bill Lampson President & CEO
Liebherr Cranes Inc.	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Gerd Booch Area Sales Mgr.
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	Chuck Martz 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	
Manitex International	3000 South Austin Avenue Georgetown, TX 78626	USA	(512) 942-3000	www.manitex.com	Andrew Rooke President

CRANE MANUFACTURERS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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.marinetraavelift.com	Jason Johnson Sales Manager
Mi-ick Products, Inc.	3111 W. 167th St. Hael C rest, IL 60429	USA	(708) 596-5200	www.mi-ic k.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	Piazele 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	Yo Kakinuma President
Tadano Mantis	1705 Columbia Avenue, Suite 200 Franklin, TN 37065	USA	(615) 794-4556	www.mantiscranes.com	Shiro Morita COO
Terex Cranes	106 12th Street SE Waverly, IA 50677	USA	(910) 367-6258	www.terex.com	Steve Filipov President
Towerwork, Inc.	7 Old Field Roadd New York, NY 11733	USA	(516) 303-3004	www.towerwork.net	
V lla (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
XM G	Industry Area No. 1 Xubo u Economic Jangsu 221004	China	86 516 8773 871	www.xcmg.com	Rubens Aevd o Representative
Z omlion	No. 361 South Ynpen Road Changsha, Hunan P.R. 410013	China	0086-731-88928069	www.z omlion.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 Halehurst, G A 31539	USA	(912) 375-5174	www.beasleyforestproducts.com	Rabun Beasley Owner
Better Header	10 Dunton Avenue Deer Park, NY 11729	USA	(631) 242-1962	www.betterheader.com	Mark Foscolo Principal
Bigfoot Construction Equipment Inc.	5119 Briarwood Woodstock, IL 60098	USA	(888) 743-7320	www.outtriggerpads.com	Bill Steiner Founder
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 USA	104 Industrial Road Guthrie Center, IA 50115	USA	(800) 610-3422	www.dicausa.com	Kerry Koberg Sales Director
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
Gulf Coast Mats	13124 Ticonderoga Houston, TX 77044	USA	(281) 459-4120	www.gulfcoastmats.com	Myna Mungle 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 Lumber Company	144 Sawmill Road Amite, LA 70422	USA	(985) 748-7930	www.pauldavisinc.com	Brad Davis Sales Executive
Prime Tech	1210 Warsaw Road, Ste 1200 Roswell, GA 30076	USA	(800) 835-1210	www.primetechpads.com	Bill Williams Sales Manager
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.haaglobal.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.sapphirerosepilotcar.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 Molino 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 NA, 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
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 Devizes, Wiltshire SN 10 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
Tractel Griphoist	51 Morgan Drive Norwood, MA 02062	USA	(800) 421-0246	www.tractel.com	Cliff Theve Access Division

FALL PROTECTION continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Tractel Inc, Div of Griphoist	1615 Warden Avenue Scarborough, ON M1R 2T3	Canada	(416) 298-8822 x247	www.tractelnorthamerica.com	Nicole Brandis Sales and Marketing
Transportation Safety Apparel	14B Cardinal Street Hilton Head, SC 29926	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
Winsafe Corp.	One Valleywood Drive, Unit 1, Markham, ON L3R 5L9	Canada	(905) 474-9340	www.winsafe.com	Rick McKinlay Sales & Marketing Manager

FINANCIAL SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Alliance Funding Group Inc	3745 West Chapman Avenue, Suite 200, Orange, CA 92868	USA	(800) 978-8817	www.alliancefunds.com	Shawn Donahue Vice President of Sales
Altec Capital Services, LLC	33 Inverness Center Parkway Suite 200, Birmingham, AL 35242	USA	(888) 408-8148	www.alteccapital.com	Shana Foshee Sales & Marketing
CIT Group Inc.	One CIT Drive Livingston, NJ 07039	USA	(973) 740-5000	www.cit.com	Vincent Belcastro Managing Director/ Group Head
DLL Group Canada	3450 Superior Court, Unit 1 Oakville, Ontario, L6L 0C4	Canada	(905) 465-4960	www.dllgroup.com	G. Peter Horan President & CEO
Deutsche Leasing USA, Inc.	190 S. LaSalle St., Suite 2150, Chicago, IL 60603	USA	(312) 678-4265	www.deutsche-leasing.com	Rainer Voelker Head of Vendor Sales
EverBank Commercial Finance, Inc.	One Liberty Lane East Hampton, NH 03842	USA	(603) 601-0084	www.everbankcommercial finance.com	Raymond Sullivan National Sales Manager
FMI Corporation	5171 Glenwood Avenue Raleigh, NC 27612	USA	(919) 785-9236	www.fminet.com	Tom Smith Director of Marketing
GE Capital	201 Main Ave. Norwalk, CT	USA	(203) 229-5717	www.gecapital.com	Ned Reynolds Director
Harry Fry & Associates	291 Main Street W. Newbury, MA 01985	USA	(978) 308-1000	www.harryfry.com	Cheryl Fry Vice President
Heartland Equipment Finance	445 West Oklahoma Avenue Milwaukee, WI 53207	USA	(414) 747-7256	www.heartlandloans.net	Scott Blair President
Industrial IIIE, Inc	17,314 SH 249, Suite 315 Houston, TX 77064	USA	(281) 894-8000	www.iii-inc.com	Patrick Flinn Managing Director
Intek Leasing	152 Eagle Rock Ave Roseland, NJ 07068	USA	(973) 403-7788	www.intekleasing.com	Paul Garfunkel Leasing Specialist
Manitowoc Finance	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.manitowoccranes.com	Jay Buechler Finance Director
Orange Commercial Credit	10121 SE Sunnyside Road, # 300 Clackamas, OR 97015	USA	(888) 266-0211	www.occfactor.com/ regions/tina	Tina Cawthorn Account Representative
People's Capital and Leasing Corp.	2135 City Gate Lane, Suite 300, Naperville, IL 60563	USA	(630) 780-1021	www.peoples.com	Ethan Powell
Pinnacle Capital	615 Commerce Street, Suite 101, Tacoma, WA 98402	USA	(253) 284-5605	www.pinnaclecap.com	Jill Ginn Cranes Representative
SG Equipment Finance USA Corp.	480 Washington Blvd., 24th Floor, Jersey, City, NJ 07310	USA	(201) 839-1125	www.sgef.us	Tom Vasilakos Director of Industrial Sales
Siemens Financial Services, Inc.	301 Lindenwood Drive, Suite 215, Malvern, PA 19355	USA	(866) 249-4496	www.siemens.com/finance	Scott Morrish Account Executive
SI Financial Services	251 Riverside Avenue Westport, CT 6880	USA	(203) 227-5225	www.sifinancial.com	Nils Boenicke Senior Vice President of Marketing
Sumitomo Mitsui Finance & Leasing	277 Park Avenue, Suite Suite 1500 New York, NY 10172	USA	(212) 224-5478	www.smfl.co.jp	Jeffrey Whitcomb Vice President
Terex Financial Services	200 Nyala Farm Rd Westport, CT 6880	USA	(503) 245-3232	www.terex.com/en/ products-services/ equipment-financing/index.htm	Josh Curtis National Product Mgr.

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.	7880 Convoy Court San Diego, CA 92111	USA	(800) 508-4888	www.acssan.com	Terry Simokat 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.L. 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

INSURANCE/RISK MANAGEMENT

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
A. Jenner & Associates / Vista Insurance Partners of Illinois, Inc.	6 W Hubbard St, 4th Floor Chicago, IL 60610	USA	(312) 276-2113	www.ajenner.com	Patrick Nolan Vice President/Broker
Allied Insurance Brokers	4 Gateway Center, 444 Liberty Ave., Suite 400, Pittsburgh, PA 15212	USA	(800) 569-9427	www.alliedinsbrokers.com	Jeff McGeary Executive Vice President, Sales
Association Benefit Resources	6550 South Millrock Drive, Suite 300, Salt Lake City, UT 84121	USA	(801) 937-6700	www.scrhealthplan.com	David Runnells Program Director
Assurance Agency, Ltd.	1750 E. Golf Road Schaumburg, IL 60173	USA	(847) 797-5700	www.assuranceagency.com	Lindsey Malone Marketing
Baldwin & Lyons, Inc.	1099 N. Meridian Street Indianapolis, IN 46204	USA	(800) 644-5501	www.baldwinandlyons.com	Tonya Simms Director
Brennan & Stuart Inc (BSI)	222 Bucklin St LaSalle, IL 61301-3457	USA	(630) 209-3144	www.brennanstuart.com	Chris Kozowski Sales Executive
Construction Insurance Agency Inc.	11290 Balls Ford Road Manassas, VA 20100	USA	(703) 257-7540	www.const-ins.com	George Pocock President
ECBM	300 Conshohocken State Rd., Suite 405, West Conshohocken, PA 19428	USA	888 313-3226	www.ecbm.com	Chris Ianovalle Vice President
EPG Insurance	PO Box 171199 Memphis, TN 38187	USA	(407) 788-6657	www.epginsurance.com	Dale Hendrix Vice President
Great American Group	9 Parkway North, Ste. 300, Deerfield, IL 60015	USA	(847) 943-2094	www.greatamerican.com	Connie Stevenes Marketing Manager
Hays Companies	One South Wacker Drive, Suite 3350, Chicago, IL 60606-4639	USA	(312) 254-3722	www.hayscompanies.com	William Holler Senior Vice President
Insurance Innovators Inc.	130 S Easton Road Glenside, PA 19038	USA	(215) 885-7300	www.iiigroup.com	Rich Marburg COO
McGriff, Seibels & Williams	One Premier Plaza, Suite 300, 5605 Glenridge Drive, Atlanta, GA 30342	USA	(800) 476-2541	www.mcgriff.com	Fred Dawson Senior Vice President
Meadowbrook Insurance Group, Inc.	26255 American Dr Southfield, MI 48034	USA	(248) 204-8145	www.meadowbrookinsgrp.com	Carol Ziecik Vice President
National Interstate Insurance Co.	3250 Interstate Drive Richfield, OH 44286	USA	(330) 659-8900	www.nationalinterstate.com	Tony Mercurio President & CEO
NBIS NationsBuilders Insurance Services, Inc.	2859 Paces Ferry Road, Suite 800, Atlanta, GA 30339	USA	(770) 257-1777	www.nbis.com	Bill Tepe President
Neace Lukens	645 E. Missouri Ave., Suite 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.neacelukens.com	Judy Sivy Senior Account Executive
Norman Spencer Agency Inc	800 East Main Street, Suite A, Lansdale, PA 19446	USA	(215) 809-2160	www.norman-spencer.com	Megan Rose Crane Operators Program
Security Insurance Services	P O Box 510925 New Berlin, WI 53151	USA	(262) 785-9490	www.securityins.net	Lori Averbeck Vice President
Sentry Insurance	1800 North Point Drive, Stevens Point, WI 54481	USA	(715) 346-6333	www.sentry.com	Bill Ferro Director of Sales/ Dealer Operations
South Group Insurance Services	812 Hardy Street Hattiesburg, MS 39402	USA	(601) 545-1643	www.southgroup.net	Gates Goz Agent
Texans Insurance Group	5050 Quorum Drive, Ste 500, Dallas, TX 75254	USA	(972) 991-6677	www.texansinsurance.com	Larry Kufel Marketing
The Horton Group	645 E Missouri Avenue, Ste 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.thehortongroup.com	Bill Horton Owner
USI Insurance Services, LLC	201 Alhambra Circle, Coral Gable, FL 33134	USA	(305) 669-6000	www.usi.biz	Jeffrey Haynes Agent
Vela Insurance Services	311 South Wacker Dr., Suite 3600, Chicago, IL 60606	USA	(312) 725-7691	www.vela-ins.com	David Jordan President
Zeric	7045 College Blvd. Overland Park, KS 66211	USA	(800) 821-7803	www.zerichna.com	Robyn Ziegler

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.bremserl.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.ccrll.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 Hollerbush Sales Representative
Hendrickson	500 Park Blvd., Suite 1010 Itasca, IL 60143	USA	(630) 773-9111	www.hendrickson-intl.com	Rence Oliphant 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.
RP Industries, Inc.	1111 3rd. St. S.E. Waverly, IA 50677	USA	(715) 359-4241	www.rpind.com	Les Homeister Regional Sales Manager
Kaydon Corp Bearings Div.	2860 McCracken Street Muskeon, 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.ktsdi.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	Duane Warden Senior Sales Manager
Palmer & Hanson Power Systems	1835 Haynes Drive Sun Prairie, WI 53590	USA	(800) 341-4334	www.ppower.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
Ridewell Suspensions	P.O. Box 4586 Springfield, MO 65808	USA	(417) 833-4565	www.ridewellcorp.com	Katie Clawson, Marketing Coordinator
Rotek Incorporated	1400 South Chillicothe Road Aurora, OH 44202	USA	(330) 995-7271	www.rotek-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/PAT America, Inc	1540 Orchard Drive Chambersburg, PA 17201	USA	(717) 217-2216	www.hirschmann-usa.com	Gary Peck Marketing Manager
Holloway Houston Inc	5833 Armour Drive Houston, TX 77020	USA	(713) 674-5631	www.hhilifting.com	Ezeiel 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 Boyne 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
Liftext Corporation	48 D Vincent Cr Warminster, PA 18974	USA	(800) 478-4651	www.liftext.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 Inc	4040 Aldopho Road Camerio, CA 93012	USA	(805) 642-3034	www.straightpoint.com	Paula Sharpe Marketing Director
Tractel Inc, Div of Grrhoist	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 Lifting Solutions	9633 Zaka Road Houston, TX 77064	USA	(281) 664-1330	www.loadsystems.com	Ken Shawler Director of Sales
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.highwideheavy.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.newyorktruckescorts.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

PERMITTING SERVICES *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Permit America	116 Collinson Center Drive, Ste. B, Frankfort, KY 40601	USA	(866) 573-7648	www.permitamerica.com	Mary Simpson President
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	
Sunshine Flag Car Service	P.O. Box 262 Hershey, PA 17033	USA	(717) 534-1213		Thomas Alexander
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 Mollino 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	7907 Baseline Court Tampa, FL 33637	USA	(813) 247-5683	www.boomtrux.com	Carlton Calfee President
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 Hollerbush 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
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
PV 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.salernocranes.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 NOE 1N0	Canada	(877) 506-7770	www.hmslift.ca	Bruce Henderson Sales 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
Royal Tractor	109 Overland Park Place New Century, KS 66031-1125	USA	(913) 782-1760	www.royaltractor.com	T.J. Hardwick President
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	SteveENZler 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	(800) 424-9984	www.alpswirerope.com	Kim Riscossa Executive Assistant
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

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
American Rigging & Supply Co., Inc.	555 Choctaw Drive, Baton Rouge, LA 70805	USA	(225) 344-7144	www.ameririgging.com	Chris Denova Owner
American Webbing & Fittings	4959 Home Road, Winston-Salem, NC 27106	USA	(336) 767-9390	www.americanwebbing.com	Steve Schroeder President
American Wire Rope & Sling	3122 Engle Road, Fort Wayne, IN 46809	USA	(260) 478-4700	www.awrsling.com	Fritz Bickel Vice President Business Development
Arctic Wire Rope & Supply, Inc.	6407 Arctic Spur Road, Anchorage, AK 99518	USA	(907) 562-0707	www.arcticwirerope.com	Kathi Stanfill Manager
Ashley Sling, Inc.	100 Great Southwest Pkwy, Atlanta, GA 30336	USA	(404) 691-2604	www.ashleysling.com	Jim Luckie Sales Manager
Assembly Specialty Products Inc	14700 Brookpark Road, Cleveland, OH 44135	USA	(800) 211-1379	www.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 Mktg
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.cabelcorrigging.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
Wireco Worldgroup	2400 W 75th Prairie Village Kansas City, KS 66208	USA	(816) 270-4700	www.wirecoworldgroup.com	Blake Chandler SVP Global Mining & Sales
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
Chicago Hardware & Fixture Co.	9100 Parklane Ave., Franklin Park, IL 60131	USA	(847) 455-6609	www.chicagohardware.com	Brian Herbstritt Vice President
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, N Y 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
Durabilt Mfg Inc	1900 N. Austin, Chicago, IL 60639	USA	(773) 622-7260	www.durabiltusa.com	Tom Durbin President & CEO
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.groupeidl.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/QC2 Lifting Products	9149 Dry Fork Road, Harrison, OH 45030	USA	(513) 367-2151	www.qc2slings.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 Summars 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.gosanusa.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.hanesupply.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.horizncableinc.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 Protter 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 Ouest, 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.jrenfroe.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

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	Eliabeth 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	
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	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 Beaugregard St., Mobile, AL 36603	USA	(251) 432-1212	www.marinerigging.com	Kinley Bell President
Mælla Lifting Technologies	21000 Aerospace Pkwy, Cleveland, OH 44142	USA	(440) 239-7000	www.mællalifting.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 ONF		+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	no website	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	no website	Norbert Schottko President
Northern Metallic Sales (FSJ) Lt d	10407 Alaska Road, Fort St. John, BC V1J 1B1	Canada	(250) 785-6655	www.northernmetallicfsj.com	Bruce Mitchell General Manager
Nylacast LLC	200 Hastings Road, Leicester LE5 0HL	UK	+44 1162 768558	www.nyalcast.com	Tanver Ali Sales & Marketing Director
Oceanside Equipment Ltd	30 Akerly Blvd., Dartmouth, NS B3B 1N1	Canada	(902) 468-4844	no website	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 Fraier 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 C rest, 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
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	2090 Thornton Street, Ferndale, WA 98248	USA	(360) 384-4669	www.samsonrope.com	Michael Quinn
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
Terrier Lifting Clamps & Equipment	P.O. Box 436521, Louisville, KY 40253	USA	(502) 742-3595	www.terrierclamps.com	Lisa Frank Managing Director
TEUFELBERGER 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 Hurrigan 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	KazA rai 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
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
WireCo Worldgroup	2400 W 75th St., Prairie Village, Kansas City KS 66208	USA	(816) 270-4700	www.wirecoworldgroup.com	Blake Chandler SVP Global Mining and Sales North America
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
Yarborough 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, Ste 612 Hallandale Beach, Fl 33309	USA	(305) 824-9078 x701	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
Trimble Lifting Solutions	9633 Zaka Road Houston, TX 77064	USA	(281) 664-1330	www.loadsystems.com	Ken Shawler Director of Sales
Lynn Safety	367 Civic Dr, Ste 8 Pleasant Hill, CA 94523	USA	(925) 609-7646	www.lynnssafety.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 Mgr.
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 Mgr.
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

SAFETY EQUIPMENT AND PRODUCTS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Tech Safety Lines	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO
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 (i Lift Plan/i CraneTrax)	1557 S. 8th St. Fernandina Beach, FL 32034	USA	(904) 430-0283	www.a1asoftware.net	Brad and Tawnia Weiss Owners
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 Hajj hafouri 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
N4y stems 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
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
SmartEquip Inc.	2506 Lakeland Dr, Ste 403 Flowood, MS 39232	USA	(516) 492-0603	http://www.skyguard.com	Anthony Del Guercio National Sales
Solutions By Computer	83 East Ave Ste 101 Norwalk, CT 06851	USA	(203) 604-1311	www.smartequip.com	Phil Silver Vice President, Sales & Marketing
EvokedSet Limited	191 Chestnut Street Springfield, MA 01103	USA	(413) 737-0499	www.solutionsbycomputer.com	Jack Shea Founder
Tekla	Davidson House, Forbury Square, Reading, Berkshire RG1 3EU	UK	+44 (0) 844 870 8025	www.evokedset.com	Nicky Denovan (Davis) Director
Telogis	1075 Big Shanty Rd NW, Suite 175, Kennesaw, GA 30144	USA	(770) 426-5105	www.tekla.com	Mary Chiaffredo Marketing Manager
Texada Software	20 Enterprise, Ste 100 Aliso Viep, CA 92656	USA	(949) 389 5500	www.telogis.com	Tina Shilling Marketing Director
The JobClock	7B-291 Woodlawn Rd W Guelph, ON N1H 7L6	Canada	(519) 836-7073	www.texadasoftware.com	Brian Spilak CEO
The Karma Group	27001 Agoura Rd, Suite 280, Calabasas, CA 91301	USA	(888) 788-8463	www.exakttime.com	John Ohara President
Timmons Group	118 S. Adams St. Green Bay, WI 54313	USA	(920) 432-6685	www.attainkarma.com	Ellen Beardsley-Wildeman Media Director
WennSoft	117 S. 14th Street, Suite 303, Richmond, VA 23219	USA	(804) 521-1065	www.timmonsgis.com	Lowell Ballard Principal, Director of Geospatial Solutions
Wet Collect	5355 S. Moorland Street New Berlin, WI 53151-1187	USA	(262) 821-4100	www.wennsoft.com	Kim Behrens, Industry Customer Acquisition Marketing Manager
Wright Plan	1001 Boulders Parkway, Suite 300, Richmond, VA 23225	USA	(804) 200-6438	www.wetcollect.com	Chris Dodson President
Wynne Systems Inc.	30 Dupont St East, Ste L3 Waterloo, ON N2J 2G9	Canada	(519) 489-2320	www.wrightplan.com	Michael Cox President
	2603 Main Street, Suite 710, Irvine, CA 92614	USA	(949) 224-6300	www.wynnesystems.com	John Bureau Director of Sales & Marketing

SPECIALIZED RIGGING/LIFTING/TRANSPORTATION

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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, N Y 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	(844) 474-4448	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
EZig Crane	1500 Palma Dr. 2nd Floor, Ventura, CA 93003	USA	(805) 643-4387	www.ezig_crane.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	DonaustraÙ 95 D-87700 Memmingen	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	Anna (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 Hertzer 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 Boyne City, MI 49712	USA	(231) 582-3100	www.magnetics.com	Dennis OLeary 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.jrjeng.co.com	Kevin Johnston President
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 Vice President of Sales and Marketing
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
Mid-Atlantic Products	3111 W 167th Street Hazel Crest, IL 60429	USA	(708) 596-5200	www.mid-atlantic.com	Mike Lanigan, Jr. Sales Manager Director
Power Pusher	546-2895 Derry Road East Mississauga, ON L4T 1A6	Canada	(905) 764-6942	www.pushorpull.com	Slim Baksh Vice President of 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 Las Vegas, NV 89118	USA	(702) 798-8920	www.transworldmanufacturing.com	Crystal Johnson Vice President/COO
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
A Better Crane Training & Testing	11010 W Hollandale Drive Boise, ID 82709	USA	(208) 283-9725	www.abettercranetraining.com	Bob Kinser Owner
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.amcrane.com	Burt Thorpe Owner
America Crane Training Services Inc.	P O Box 740177 Orange City, FL 32774	USA	(386) 774-0069	www.americacranetraining.com	Bonnie Hastings President
American Crane Training & Consulting	PO Box 2582 Orcutt, CA 93457	USA	(805) 314-4121	www.americancranetraining.com	Greg Peters Senior 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.asipocal150.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
Caribbean Crane Inspection & Certification Bureau, Inc.	1688 Calle Marquesa Ponce, PR 716		(787) 840-4440		David Aviles President & Chief Surveyor
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/Tower Crane School of Phoenix, LLC	221 S. 35th Street Phoenix, AZ 85009	USA	(602) 541-0364	www.craneexam.com	Ronnie Gray Senior Technical Trainer
Crane Industry Services, Centered on Safety Training Center	176 Murphy Campus Blvd. Waco, GA 30182	USA	(770) 783-9292	www.craneindustrieservices.com	Terry Norris, Sr. Crane & Rigging Specialist
Crane Inspection & Certification Bureau (CICB)	11112 Boggy Creek Drive Orlando, FL 32824	USA	(800) 327-1386	www.cicb.com	Billy Cook Director of Sales & Marketing
Crane Inspection Services	P O Box 461, Fairhope, AL 36533	USA	(251) 928-6262	www.craneinspection.com	James Pritchett President
Crane Institute Certification	3880 St. John's Parkway 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	Casey Galliford 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 Assoc of America	730 Oak Grove Road McDonough, GA 30253	USA	(800) 356-2212	www.cranesafetyassociates.com	Shane Adams President
Crane Safety Institute	47B Mendon Street Bellingham, MA 02019	USA	(866) 788-7600	www.cranesafetyinstitute.com	Jay Sturm President
Crane Tech, LLC	1215 Millennium Parkway Brandon, FL 33511	USA	(800) 521-7669	www.cranetech.com	Tony Dotto Vice President/ Director Services
Crane U	5650 Double Oak Lane Birmingham, AL 35242	USA	(855) 9CRANEU	www.craneu.com	Melanie Laird Vice President & 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 Simonye 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
Farmer Company	228 Rodeo Road Keller, TX 76248	USA	(281) 427-1088	www.farmercompany.com	Glen Farmer Owner
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. Vice President & 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	Ted Blanton President/CEO
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
PIC Crane Safety Services LLC	21253 S Buckhill Road Clermont, FL 34715	USA	(352) 250-8391	www.piccranesafety.com	Gary Campbell Owner
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
Signal-Rite LLC	2108 Edison Ave. San Leandro, CA 94577	USA	(510)755-3386	www.signal-rite.org	Jeff York President
Southern Apprenticeship & Training	751 \$1001 County Road 989 Luka, MS 38852	USA	(662) 424-0182	www.southernappttraining.org	Randy Norris Training Administrator
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.cpwrr.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, 139 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	P O Box 608 Fremont, CA 94537	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

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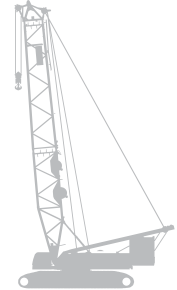
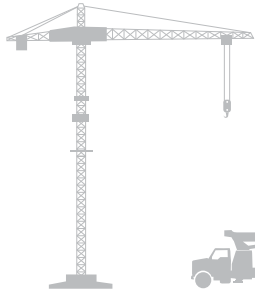
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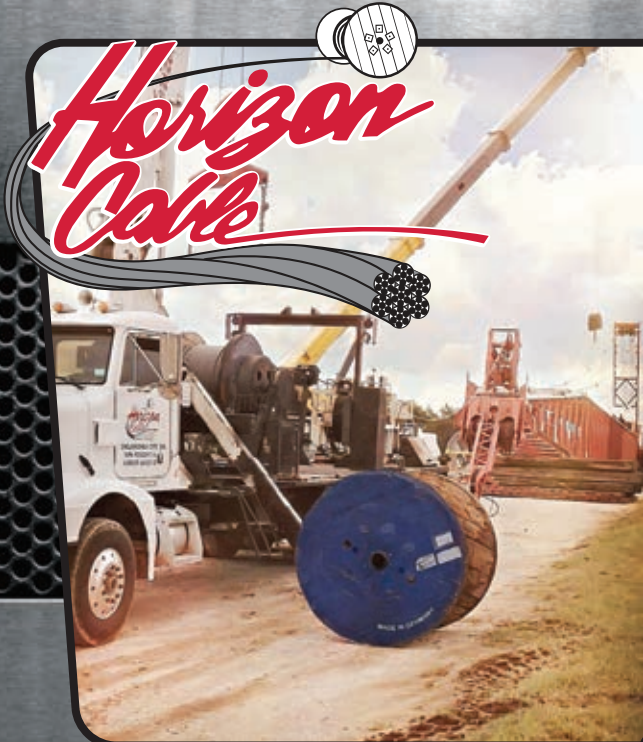


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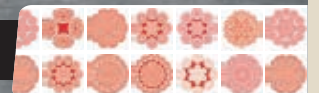
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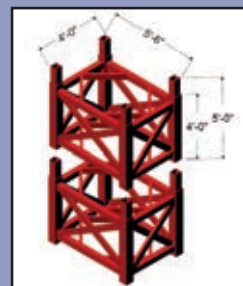
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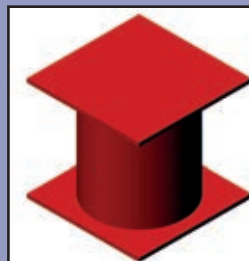
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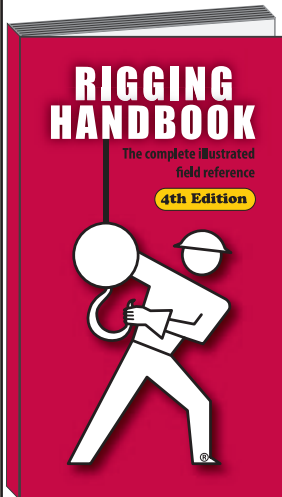
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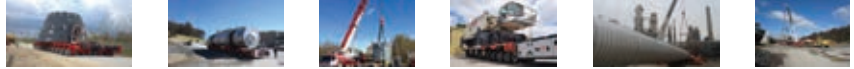
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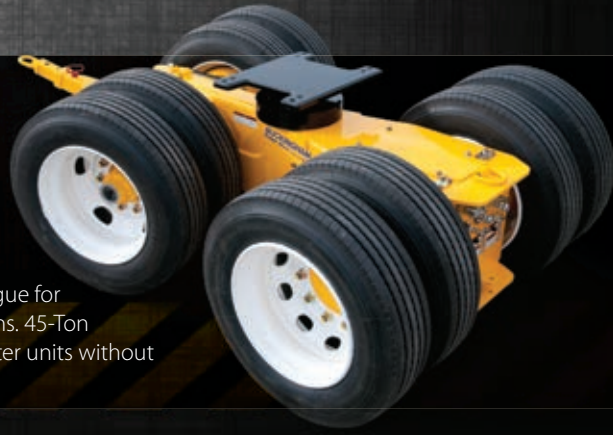


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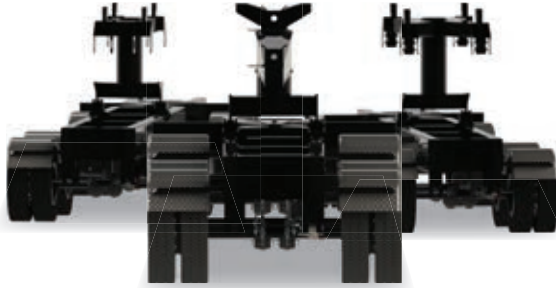
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