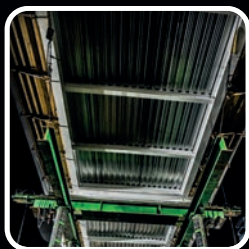


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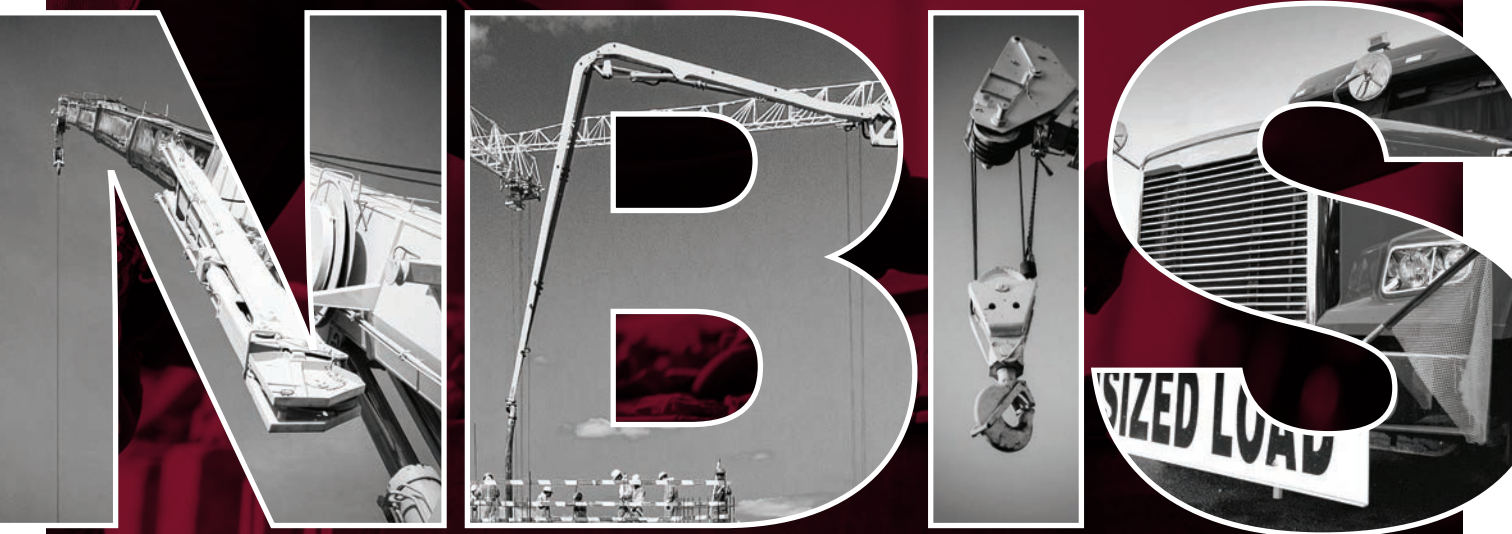
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- Manufacturers' and Services Directory
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Our yearbook

The *American Cranes and Transport Sourcebook* is a crane, rigging and specialized transport yearbook. This publication, whether you are reading a paper copy or a digital copy, features the most pertinent information contained in *ACT* in 2022, as well as our exclusive North American Crane Guide. The *Sourcebook* is a mainstay in the libraries of crane rental companies, specialized transportation services companies, OEMs and pretty much the whole of our industry. We take it to all the major tradeshow around the world, and it flies off the stands. The *ACT Sourcebook* is the only place to find our annual *ACT* Top Lists, including the **ACT100**, **ACTTRANSPORT50**, **ACTSPECIALIZEDLIFTING50** and **ACTTOWERCRANE50** all in one place.

The North American Crane Guide contains current information about 13 categories of cranes and lifting equipment. The crane OEMs provided the information about their current product lines that are marketed in North America.

The directory section of this publication is divided into two parts: the Specialized Transport Manufacturers' Directory and the Manufacturers' & Services Directory, the latter of which lists companies in 22 categories that provide products and services pertinent to our industry in North America. The 2023 *ACT Sourcebook* is delivered in hardcopy format, a downloadable digital issue and a tablet/mobile edition.

Producing the *ACT Sourcebook* allows our editorial and advertising team to keep in touch with all the manufacturers in our industry to compile in one place the new products they are producing each year. Because of the cooperation from these entities, the *Sourcebook* is a valuable amalgamation of information. The 2023 edition features our coverage of the SC&RA's Job of the Year Awards as well as important information from the SC&RA and NCCCO as well as SC&RA's risk management partners, National Interstate Insurance and NBIS.

Many thanks to the companies that update our survey forms and spreadsheets. If you would like to be a part of any or all of our annual *ACT* Top Lists, please send me an email at d.ann.shiffler@khl.com.

D. ANN SLAYTON SHIFFLER

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KHL CRANE PORTFOLIO



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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 November 2022. *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 2023.

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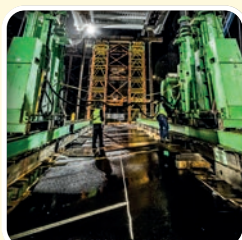
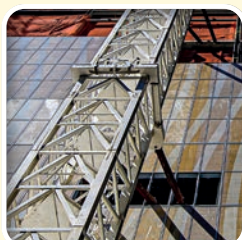
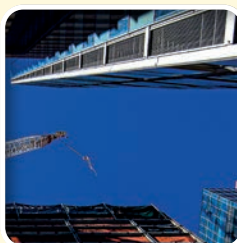
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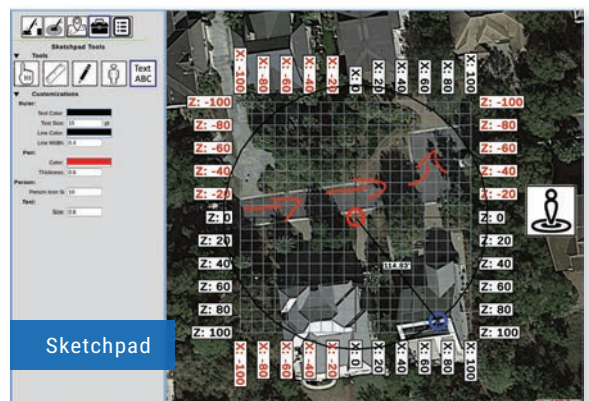
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Lift & Move encourages continued industry involvement in 2023.

Industry ambassadors

The skilled labor gap in the lifting, rigging and specialized transportation industry is significant and growing. The industry workforce initiative – Lift & Move USA is needed more than ever. This was a very successful live event pre-Covid, reaching nearly 8,000 students and educators. The SC&RF is working hard to bring back a new, improved version of the initiative. Perhaps even more streamlined but just as effective.

Launched in 2015 as a joint industry effort, Lift & Move USA was organized by four industry institutions: Specialized Carriers & Rigging Association, Specialized Carriers & Rigging Foundation, National Commission for the Certification of Crane Operators and KHL Group.

Building awareness

In April 2023, the SC&RF will announce the newly formed Lift & Move Ambassador Program. This program will showcase an exclusive group of companies that are committed to building



awareness about job opportunities/careers and other community resources available to bridge the skilled labor gap in crane, rigging and specialized transportation.

“The future of the industry depends on the intentionality the industry puts on building a workforce and creating awareness around the opportunities and careers in the industry,” said Jackie Roskos, director, SC&RF. “The goal of the new Ambassador Program is to develop a nationwide network of like-minded companies who can share resources, learn from one another and provide the SC&RF with feedback on what tools need to be developed to assist in broad workforce development efforts.”

Program ambassadors are encouraged to engage with the workforce at a community level, including connecting with CTE directors and local and state workforce boards. Ambassadors will also be encouraged to attend Career Fairs and Career Day events, in addition to holding interviews with students.

Hosting events is also a viable option for ambassadors. This could be as simple as organizing a field trip to the company's facility or hosting a smaller-scale Lift & Move event. As a result, companies may also organize an internship or apprenticeship program and engage

with the workforce. Social media is also a viable resource for engaging with students and sharing workforce-related content and industry articles.

More information about this program will be made available at the 2023 SC&RA Annual Conference.

In the know

In addition, Lift & Move also produces two newsletters. These are primarily geared toward students and teachers; however, industry professionals are welcome to sign up to receive them. Those interested can sign up at www.liftandmoveusa.scr-foundation.org/newsletter-subscribe/.

The SC&RF Specialized Carriers & Rigging Foundation (SC&RF) has been hard at work continuing its scholarship program to address the skilled labor gap in the industry. In addition to tuition assistance, the program awards tuition for training courses with “Partners in Education.” Both in-person and online training courses available include Rigging (Beginner, Intermediate and Advanced), Signal Person and Crane Operator (Beginner). Scholarships are also awarded for welding certificates, CDL courses, diesel mechanics and other training needed to advance skills and pursue careers in the industry. ■



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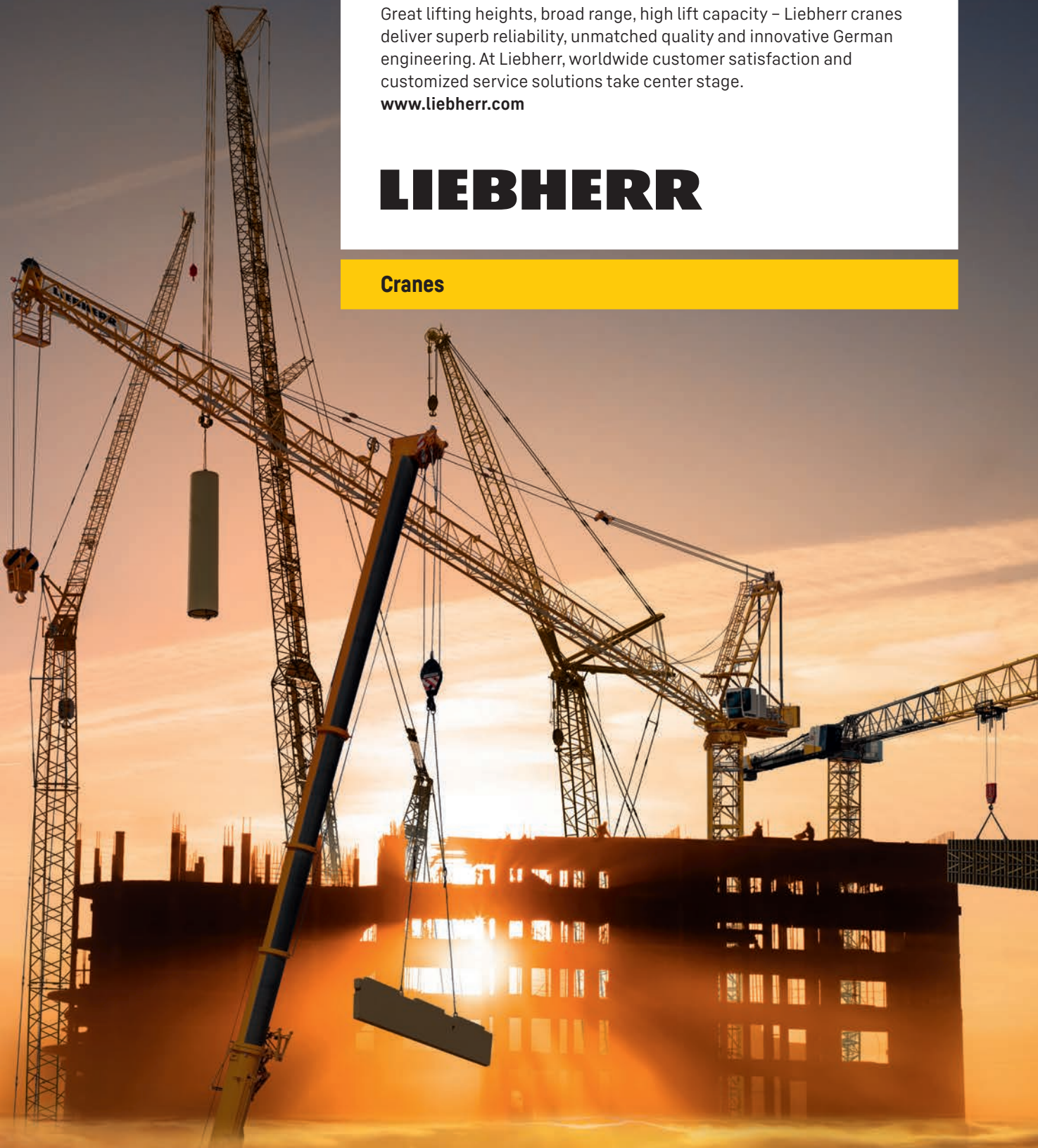
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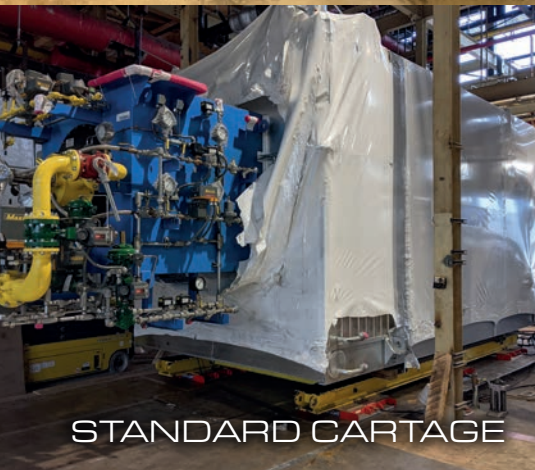


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Skates and skids

Back in 2018, Helm Mechanical hired Standard Cartage Company for a multi-phase, multi-year project involving the replacement of eight Indeck high temperature water (HTW) generators, weighing 90,000-pounds and measuring 32 feet long by 12 feet 7 inches wide by 13 feet 10 inches tall.

For the third phase of the project, the scope of work was to receive three generators at the jobsite – one of the busiest airports in the United States. The three generators needed to be carefully moved through the Heating and Refrigeration (H&R) building, jacked down and installed in place. Work began on June 16, 2021 and was successfully completed July 2, 2021.

The congested airport jobsite presented several obstacles; the boilers were unloaded on the main road with airline arrival and departure traffic. Working with the airport operations team to limit impact to airport

Standard Cartage created an innovative plan for receiving and installing three hot water generators at a busy airport jobsite.

operations, the project team scheduled any work impacting the ring road for Wednesdays, a day with the least arrival and departure traffic.

Mitigating the obstacles

Standard Cartage developed an innovative solution that combined a skidding system with air-skates and a lightweight “dance floor” to meet the challenge presented by this scope of work. Deep skidding beams were used to span a ditch at the outside perimeter of the H&R plant, and provided an area to land the boilers after they had been unloaded by a crane from the main road.

The skid system continued inside the

building and was used to accommodate a low floor loading limit of 300 PSF.

Skidding beams were used to span weak spots, loading the building instead at the structural beam lines, and spreading the floor load to a sufficient footprint when the first two options couldn't be used.

Once far inside the building, a “dance-floor” was constructed to match the floor elevation with existing equipment pads. The materials selected included high-load rigid insulation, plywood, masonite and thin gauge sheet steel. These materials were able to be cut and installed quickly to match the layout of the equipment pads. It was lightweight, coming in at approximately 10PSF, yet still had the structural capacity to support the moving load.

Six air-skates were installed and secured to the bottom of a pair of skidding beams – three beneath each beam. The beams were then made into a frame by adapting to existing spreader bar inserts, which were already in the toolbox. Lateral forces were controlled by wire-rope, clips and turnbuckles.

Seemingly effortless

On unloading day, the first two generators were unloaded and inside the building in a matter of a few hours, allowing the airport to open up the traffic lanes sooner than anticipated.

Once deep inside the building, the boiler was transferred from the skidding system to the air-skates by applying air to the air-skates and unpinning from the remaining track. This avoided jacking the boiler up to transfer, so that floor load analysis of jacking loads would not need to be considered. Moving the boiler on the air-skates was effortless, and an interior column that was a concern in the initial planning, was cleared by 5 inches. Overall, the project was completed successfully, on time and without incident.



A skidding system was combined with air-skates on a lightweight “dance floor.”



RIGGING
\$150,000 TO
\$750,000

BARNHART

Using a two-legged gantry system, Barnhart slid, lifted and swiveled a horizontal heat exchanger.

Horizontal headache

Barnhart removed and replaced a horizontal heat exchanger at a fertilizer facility in Iowa. The existing vessel was 32 feet long, 4 feet in diameter and weighed 130,000 pounds.

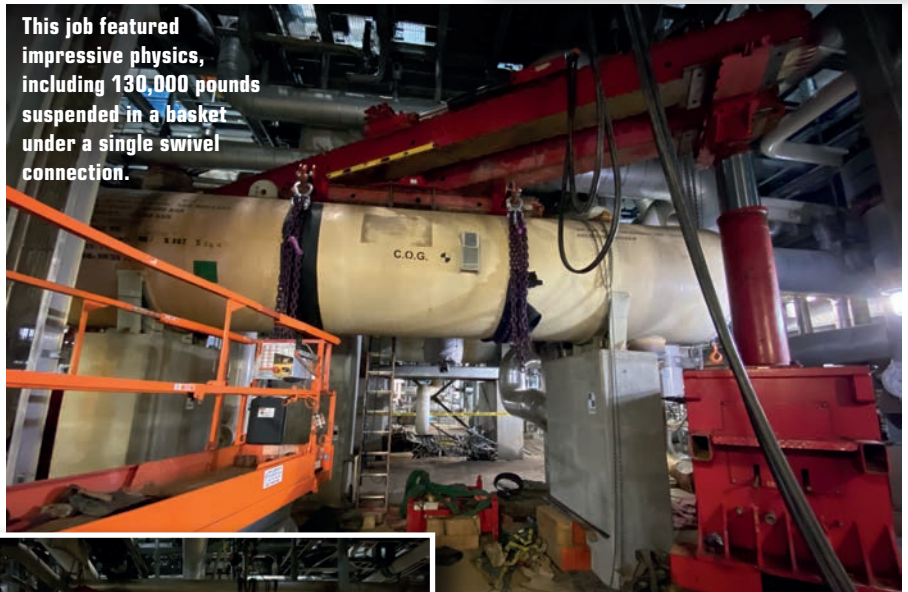
Due to its location, replacement of the old vessel posed a unique puzzle. It sat atop two piers that were 6 feet off the ground and that could not be removed. The exchanger could only egress the building from one door. Obstacles included overhead piping and concrete columns. The rigging plan would need to allow for ducking under a suspended 60-foot product line. Initially, Barnhart had a year to plan the project, but the schedule changed. The cushion of 12 months was compressed to two months.

Barnhart's engineering group looked at previous methods of handling horizontal exchangers. They chose a gantry system with two legs set up at a 45-degree offset. They would travel in tandem. A slide system could be placed on top, allowing movement from north to south with the exchanger underneath. A swivel connection allowed the exchanger to rotate 90 degrees to line up with the alleyway.

Barnhart's team created a mockup system that allowed them to determine the location of each crew member to give the pump operator eyes and ears at key places at once. The mockup system was disassembled and mobilized to the plant for the replacement execution. A Job Hazard Analysis (JHA) plan was created.

Onsite, the old vessel was cut free and the job began. Hazards were outlined and mitigations were discussed with each step. The assembly/disassembly process had the most risk exposure for the entire project. Assembly was complete at the end of one

This job featured impressive physics, including 130,000 pounds suspended in a basket under a single swivel connection.



shift, with the replacement beginning at the start of the next. Each shift was kicked off with the JHA.

Precise maneuvering

The big difference from the mockup was a man in a scissor lift with an extra set of eyes. As the gantries were stroked up, the exchanger cleared the anchor bolts with near perfect dimensions. The dance sequence to the alley was perfect, with gantry travel, header beam travel and the tagline-controlled vessel spin working in chorus. A series of cribbing



Softrac carriers moved the vessels in the plant.

operations stepping down the gantries and lengthening the rigging assured final headroom clearance. Barnhart had assembled two softrac carriers in a bolster to bolster configuration that was perfect for shuttling the exchangers inside the plant. The movements for the new exchanger was the same, just reversed.

This job featured impressive physics including 130,000 pounds suspended in a basket under a single swivel connection. The swivel was mounted in between two header beams, on a traveling slide system. The slide system rested atop two 38-foot header beams tied to a single connection point at each end atop two legs of gantry. Centerline of the gantries needed to be maintained with the upmost precision.

The job was an example of exquisite engineering, an execution team aware of every possible risk potential and mitigation and a mindset that any obstacle can be overcome with the right team. Barnhart terms it "Mind over Matter."



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RIGGING
\$750,000 TO
\$2 MILLION

FAGIOLI

River dance

Maneuvering a section of the San Benedetto bridge into place required a delicate river dance on the Po River in Italy.

Fagioli was involved in the launching operation of a 2,800-ton bridge section for the new San Benedetto PO bridge in Mantova, Italy. The span measured 180 meters long and was lifted by a jack-up system to allow the insertion of SPMTs under the structure. The trailers transferred the section onto a dedicated barge provided with towers and other SPMTs for the perfect alignment with the central piles positioned into the river.

With a millimetric operation, Fagioli operators and engineers performed safe and synchronized ballasting, stabilization, sliding, skidding, lifting and lowering operations. The impressive operation was executed by means of barges, SPMTs, strand jacking and tower lift system and climbing jacks.

The project started in June 2021 and was completed in December 2021. Equipment specifics included 225 axle lines of SPMTs, eight 500-ton jack up systems, seven L100 strand jacks as well as towers and mobile cranes.

Fagioli's team executed the load out operations in nine meticulously planned phases. The first phase was installing the jack-up system. Next, was the lifting of the bridge by the jack-up system and placing it on an aggregate of 150 axle lines of SPMTs.

The first and second convoy took the whole of the load and the jack-up system was removed. In the third phase, the bridge section was transported until the beams were aligned with the temporary towers positioned onto the barge. The load of the bridge section was transferred from the first and second SPMT convoys positioned onto the ground to the first and third convoys positioned on the barge. Subsequently, the second convoy of SPMTs was removed.

Positioning the bridge

The next slow and methodical challenge was to transport the bridge section with



Some 225 lines of SPMT were used to position the bridge.



SPMT convoys Number 1 and Number 3 and the transfer of the load onto SPMTs convoy Number 1, and the tower positioned at the bow of the barge. Convoy Number 3 on the barge was lowered and the suspensions were removed.

Phases five through seven involved the careful repositioning of the bridge section on the SPMT convoys to finally position the bridge span on the towers. SPMT convoy suspensions were lowered to allow for their removal. Phase Eight involved the transport of the bridge section towards the barge and the transfer of the load onto the bow and stern towers positioned onto the barge. SPMT convoys Number 1 and Number 3 lowered their suspension and were removed.

Finally, the barge was maneuvered towards the piles and cap pier by means of strand jacks (used also for the mooring operations). The tugboat released the bridge section onto its foundations. Subsequently the barge was removed after the bridge section load transfer was completed.

Fagioli was contracted by Toto Costruzioni, which was contracted for construction of the bridge. The job was executed perfectly, precisely and safely. ■

The bridge span measured 180 meters long.



**RIGGING
OVER
\$2 MILLION**

FAGIOLI

Fagioli performed a complicated salvage operation of an old shipwreck in the Mediterranean Sea.

Wrangling a wreck

Using crawler cranes and barges, plus a sophisticated diving and cutting operation, Fagioli was contracted for the salvage operation of a wreck in the Mediterranean Sea. The *Berkan B* was a small ship – about 108 meters long by 17 meters wide – something between a small bulk carrier and a handy size bulk carrier. The half-sunk vessel had remained at a mooring in the same place for more than 10 years. Fagioli, known around the world for its shipwreck salvage expertise, was contracted to execute the removal of the unsightly wreck.

Fagioli's first challenge was to confine the waters surrounding the wreckage with barriers to contain any pollutants. The next task would be to cut the wreck into large sections using a special diamond wire cutting machine operated by a team of specialized divers supported by a Remotely Operated Underwater Vehicle (ROV). The ROV analyzed the water conditions and executed the underwater cutting activities.

Cut and lift

Fagioli planned to use a 600-ton capacity crane secured to a barge to lift each section and move them onto a service barge that was used as a temporary storage area.

When the vessel had been cut into parts



Barriers were placed around the wreckage to contain pollutants.

and the operation plan was approved, Fagioli's team started the lifting operations. The five sections were lifted out of the sea and positioned onto the service barge between September 29 and November 17, 2021. The hull sections were raised slowly to release the seawater and other liquids out of the vessel pieces.

The most challenging lift was the removal of the stern, assured to be the heaviest section. After several years of the wreck laying in the water, it was almost impossible to calculate the stern's actual weight. Documents supplied to Fagioli said the stern weighed 500 tons, but in the end, it actually weighed 800 tons.

At the beginning of the project the Fagioli team studied a tandem lift operation with two cranes positioned to

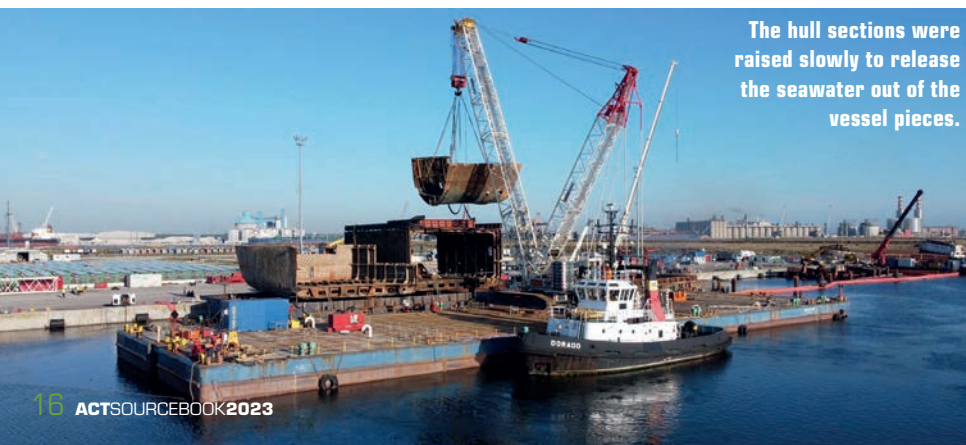
the barge. But the stern was too heavy and a new technical approach needed to be developed. Fagioli determined the best solution was to use three crawler cranes (600-tons, 650-tons and 450-tons capacity) positioned on the barge for the removal of the stern.

Deep engineering and ballasting studies were executed to assure a safe and successful operation could be performed.

Wreckage removed

Once the lashing activities of all the blocks were completed, the service barge was ready to leave for the Piombino area for the discharging operation. Fagioli proceeded with the final cleaning of the seabed and removal of the containment barriers. Equipment used on this project included three crawler cranes, two barges, anti-pollution barriers, a remotely operated underwater vehicle, tugboats and a strand jacking system for mooring.

Fagioli was contracted by R.C.M. Costruzioni, which was contracted from the Port Authority of Ravenna in Italy to remove the wreck. Diving activity and cutting of the ship was subcontracted to Marine Consulting International under Fagioli operational guidelines and responsibility. The operation was smooth sailing with no issues or incidents.

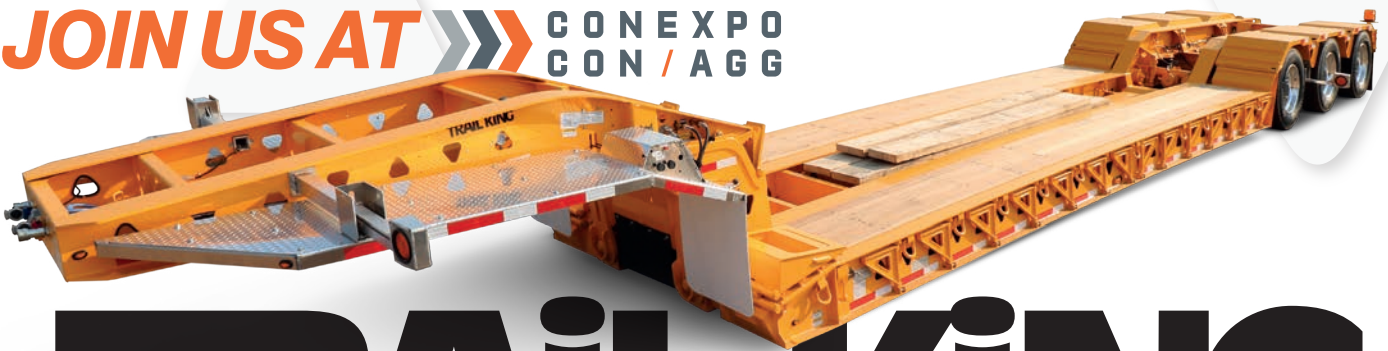


The hull sections were raised slowly to release the seawater out of the vessel pieces.

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TRANSPORT
UNDER 160,000
POUNDS

FAGIOLI

Alps adventure

The impervious roadway up the mountain involved 44 hairpin turns.

Fagioli was contracted to transport a 29-ton transformer from the manufacturing factory in Vicenza in northeastern Italy to the Braulio power plant, which is up the mountains to a jobsite that is 2,000 meters above sea level. The project spanned five days in November of 2021 and involved many challenges. Fagioli's equipment selection included four axle lines of a modular lowered trailer with steering capability, rollers, beams, two trucks and two mobile cranes.

The first leg of the journey was transporting the transformer 279 kilometers up to the power station of Grosio with a lowered trailer. The transformer was stored for some time and then was at last ready for the last leg of the transport.

Epic journey

The transformer was moved to Bormio where Fagioli transshipped the huge component onto 2 by 2 modular lowered trailers that were modified by Fagioli to embed the item and provide the trailer with a fifth wheel and the ability to steer. The long and challenging journey up to the power station was executed on the Stelvio Pass – the highest paved mountain pass in the Eastern Alps that has 44 hairpin turns to get to the top. The impervious road, which is 70 kilometers long up to the top, compelled Fagioli

operators to execute extreme and precise maneuvers to negotiate all of the steep curves.

The most demanding aspect of the entire transportation activity was the passage onto a 23-meter-long bridge built in 1850 with a very low ground capacity. Fagioli used rollers, beams and cranes to allow the convoy to pass. After two more hairpin turns, the convoy reached the power station. The lead truck was removed and with the help of the back truck, the fifth wheel and the trailers with steering axles, Fagioli's team moved the transformer

Installing a new transformer at a factory in Vicenza was a hike of epic proportions.

inside the power station. Inside the plant the client lifted the transformer and positioned it onto its final foundation.

Fagioli was contracted by Sea Trasformatori to haul the transformer up the mountain. Fagioli executed the whole job installation with its equipment and personnel. The project was completed successfully and safely with no issues or problems.



The Fagioli team was prepared for every route challenge, including steep curves and mountainous roadways.



TRANSPORT
160,000 TO
500,000 POUNDS

EMMERT INTERNATIONAL



With routing, logistics and safety in mind, the job involved 1,800 man hours.



Route challenges included wind, bridges, derated culverts, low wires and limbs.

Windy and winding

On a tight schedule, Emmert International hauled wind turbine generators along a route that was beyond complicated.

Emmert International was contacted by a manufacturer to transport five wind turbine generators (WTGs) from the Port of Burns Harbor, MI to Compton, IL. Each of the WTGs weighed 233,068 pounds.

To meet the customer's delivery schedule, Emmert International provided two hydraulic platform trailers. The complicated routing encompassed traveling through multiple counties that required negotiations for utility drops for overhead wires, railroad crossings including railroad traffic arm removal and coordination with state police and four other state agencies.

The WTGs measured 36.6 feet long by 13.8 feet wide by 13.3 feet tall and weighed 233,068 pounds each. The WTGs would travel 295 miles using two 9-axle line Goldhofer dual lane THP/CA.

Emmert solved several complicated routing issues. Multiple route changes were required due to de-rated bridges. Emmert's team conducted a review of bridge/pavement loadings with county engineers and provided comprehensive coordination with county engineers, multiple railroad entities, four state

agencies and county, utility and road construction companies. The entire job involved 1,800 man hours.

Safety first

Safety was a top of mind concern for Emmert's team which provided a thorough traffic control plan. Emmert

managed several public and private entities to accommodate a loaded out trailer configuration that measured 127 feet long by 16 feet wide by 17 feet 10 inches tall. Pilot and police escorts were required along the route.

Terrain obstacles required several innovations. Emmert lifted axles to meet axle loadings on derated culverts. Other obstacles included bridge crossings, low limbs/tree trimming, low wires and railroad arm removal.

The job was executed on time and safely with masterful precision and expertise. ■



Emmert International solved several complicated routing issues.



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TRANSPORT
OVER 500,000
POUNDS

TRANSPORTES MUCIÑO

Steep and curvy

Transportes Muciño transported major components to a power plant deep in a Mexico mountain range.

The heaviest component was a 380-ton generator.

Last spring and summer, Transportes Muciño transported major components for CCC Tamazunchale II on behalf of Mitsubishi Power Americas. This power plant is located in San Luis Potosi, Mexico in the middle of the mountains. Tamazunchale II is a 514 megawatt gas-fired power plant, the largest in Latin-America. The heaviest component was a generator weighing 380 tons and measuring 10,200 by 5,430 by 5,410 millimeters.

Since the job included many obstacles, a conventional heavy-duty module configuration was not feasible. State-of-the-art technology from Goldhofer equipment was utilized to make the job possible. Inclines of up to 19 percent, hairpin turns and narrow roads posed a challenge for the project engineers, one that took the absolute commitment, teamwork and the efficiency of Goldhofer's transport solutions to solve. In the end, multiple combinations, heavy-duty modules and the Faktor 5 high girder bridge were put to use. The gross weight without trucks was up to 705 tons.

Given the complexity of the route several entities were coordinated. CFE for electricity cables and utility poles, Telmex for telephone cables and utility poles, local cable companies, the National Guard

and multiple municipalities launched operatives to support the convoy transit that covered the entire width of the road.

Constant change

The combined traction of three tractors and the self-propelled modules were able to handle inclines of up to 14 percent on extremely narrow roads. With detached tractors, the convoy traversed over 46 hairpin turns, even passing a 54-degree bend in Chapulhuacanito. At Jaltocan the transport system was reconfigured from a single lane 2 by 18-axle line to a dual lane 2 by 9-axle line combination. After another reconfiguration to a 2 by 12-axle line parallel combination, the team traversed the last mile to the Tamazunchale II power plant.

More than 126 curves were expanded to accommodate such a large configuration.



In addition to that, six major bridge reinforcements had to be made on Panuco, Veracruz, Platon Sanchez and several other bridges along the route using state of the art methods and materials like carbon fibers in some of them. A pedestrian bridge was lifted as well.

The Tampico port has been in service for over a century, and its old infrastructure presented a challenge. Engineering firms performed ground resistance analysis to make the transport feasible. Hundreds of engineering hours were invested and thanks to sister company MSE (Muciño Servicios Especializados), Transportes Muciño was able to custom make fixtures to support the loads.



The transport system was reconfigured for the last mile to the Tamazunchale II power plant.

HAULING
MOVINGMAMMOET
AMERICAS

Module mania

In January and May of 2021, Mammoet Americas crews completed the heavy haul of some 195 loads over the course of three years, including some of the largest onshore modules in the industry. The job was for the construction of the Gulf Coast Growth Ventures (GCGV) plastics manufacturing facility in San Patricio County, TX. The largest modules to be transported were about 300 feet long by 140 feet wide and nearly as tall as 250 feet – almost the height of the Statue of Liberty. These are among the largest modules in the world.

To successfully transport the largest modules of the project, crews used as many as seven trains of SPMT with 46 axle-lines for a single module (322 axle-lines total). At its operational peak, Mammoet utilized 1,578 axle-lines of SPMT to ensure continuous delivery of modules to site. These modules were transported along a dedicated 4.7-mile heavy haul route using SPMTs. The dedicated route includes two major roadway crossings and is wide enough for a Boeing 747 to travel along it.

Route improvements

In 2016 Mammoet was involved as advisor on the route with the Texas Department of Transportation. The dock and heavy haul road were constructed from scratch for the

Mammoet Americas transported among the world's largest modules.

At its peak, Mammoet used 1,578 axle lines of SPMT to assure continuous delivery of the modules.



project. Along the route, all transmission lines were buried so there were no overhead cables.

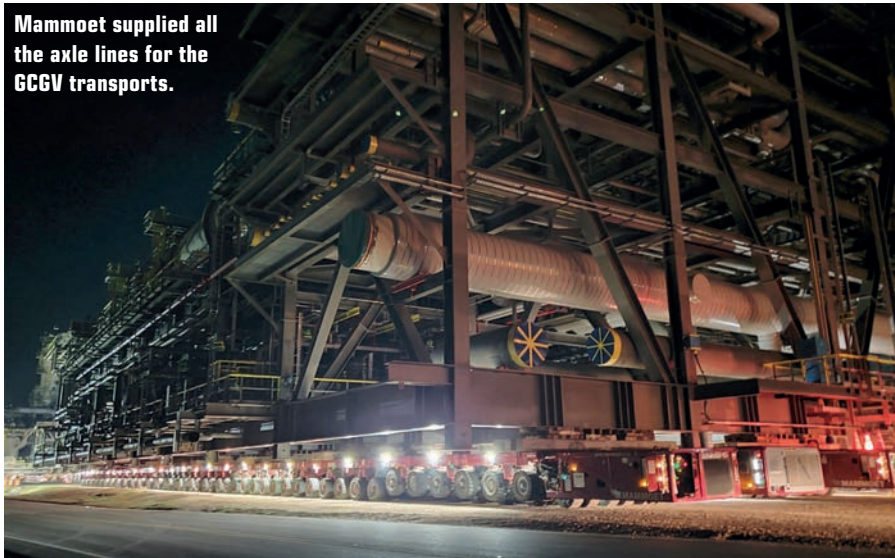
Two box culvert bridges were built, and most crossings took place in under two hours. Before any shipments were moved,

Mammoet's team performed a test using SPMTs loaded with counterweights to simulate the weight of an actual module shipment. This was done to assure the route could accommodate the weight of the loads.

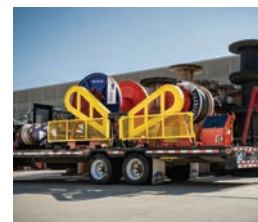
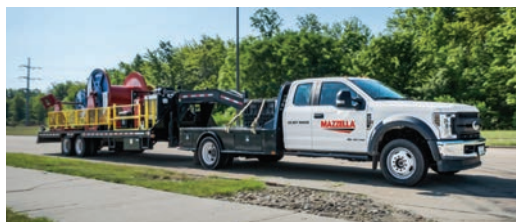
By pooling global resources from over six international locations, Mammoet was able to supply all the axle-lines for the GCGV transports. Mammoet maintains more than 4,700 lines of SPMT globally, sourced from over 140 branches – allowing it to serve any transport requirement, no matter where it is in the world. GCGV is a joint venture between ExxonMobil and SABIC, created to advance construction of a plastics manufacturing facility in San Patricio County, TX. ExxonMobil and SABIC brought unmatched expertise to this project, having worked together in petrochemical ventures for more than 35 years.

For the final phase of the project in 2021, Mammoet hauled a total cargo of 111,761.4 tons. The job was executed flawlessly and without incident.

Mammoet supplied all the axle lines for the GCGV transports.



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NON
WINNERS

The field of contenders for the 2022 Job of the Year awards was stronger than ever.

A close second

We don't envy the task of the SC&RA Job of the Year judging teams. Determining the winner in each of the eight JOY categories is a monumental task. The field was very strong, and the point spread between winners and non-winners must have been paper thin. The jobs presented were spectacular on every level.

Following is an overview of the jobs that didn't take home the trophies. Be on the lookout for these job stories in future Site Report articles in *ACT*.

RIGGING

\$150,000 TO
\$750,000

Fagioli



A challenging project was executed by **FAGIOLI** for the transport, verticalization and final installation of a 458-ton reactor in Ravenna, Italy.

RIGGING

\$750,000 TO
\$2 MILLION

Barnhart



BARNHART provided staging and a Goldhofer system for transporting

stacks and convection sections during a turnaround. Radiant coils were installed with a slide system on a custom-designed and fabricated hydraulic support frame.

SARENS was commissioned by Spinlaunch to design and execute the installation of the "L33 Launching Chamber" at their test site at Spaceport America in Truth or Consequences, New Mexico. The design of the lifting, tilting and moving operations was running in parallel with the construction and design of the launching facility and was estimated to take 12 months with subsequent execution. The launched chamber measures 110 feet in diameter by 24 feet thick and weighs 2,245 Kips.

Sarens



RIGGING OVER \$2 MILLION

BARNHART was contracted to move four reactors from a laydown area and install them.

BRAGG COMPANIES was contracted to remove and replace two 75-ton capacity overhead bridge crane trolleys in an existing 3-unit powerhouse. The project included the wholesale replacement of

Barnhart



Bragg Companies



all catwalks, mechanical and electrical components, keeping only the structural girders. At the powerhouse south end there is sufficient space outside for temporary facilities, equipment/material staging and parking. Large overhead doors provided access into the operating floor at grade level.



SARENS was awarded the Land Module Transport (LMT) and Transshipment Base (TSB) contracts of the Tengizchevonoil Future Growth/Well Pressure Management Project (TCO FGP/WPMP) in Kazakhstan – a \$50 billion project to enhance TCO's oil extraction in the Tengiz Field. The project concept comprised a modular build, in Korean fabrication yards, and delivery to the foundation. However, constraints on the delivery route required the fabricators to build the modules into fully completed units at the fabrication yard and “de-construct” these units into modules that were no higher than 11.25 meters in height, which then required re-stacking when arriving at site, prior to final installation.

TRANSPORTATION UNDER 160,000 POUNDS



EMMERT INTERNATIONAL was contracted by a freight forwarder to transport a super heater from Holly Springs, MS to the Port of Houston. A new trailer design from Goldhofer, the P12 Plus, was utilized to transport the superheater over 700 miles.

TRANSPORTATION OVER 500,000 POUNDS

BARNHART was contracted to provide emergency transportation for a turbine in Mississippi. The turbine was being transported via rail. The rail line included three wooden trestle bridges that the turbine was too heavy to cross. Barnhart offloaded the turbine from the rail, transported them five miles, then reloaded to the rail. The project began in February

and was completed in March 2021. The turbine was 31 feet 1 inch long, 14 feet 2 inches wide, 16 feet 8 inches tall and weighed 606,271 pounds. The 5-mile haul was completed using 18 lines of trailer, two sets of jumper bridges and a temporary bridge. The overall transport dimensions were 90 feet 8 inches long, 14 feet 7 inches wide and 20 feet 5 inches tall.

South Florida, in February and March, is at the peak of its winter season.

When **EDWARDS MOVING & RIGGING** was awarded the contract to move four large components through a heavily populated region of Florida, the schedule avoided the busy winter season. But that was pre-Covid-19. And as manufacturing delays and weather delays began to mount up, when the pieces arrived at the busiest time of the year, it was for the transport of four massively over dimensional loads through the heart of the Fort Lauderdale area. The full scope of the contract awarded to Edwards Moving & Rigging was the move of two gas turbine generators and two gas turbines from the Ports of Albany, New York and Charleston, SC to their destination as part of an expansion of the FPL Clean Energy Center in Dania Beach, FL.



EMMERT INTERNATIONAL was contacted by a freight forwarder to transport a large transformer from a rail siding to a foundation pad in a substation. Multiple iterations occurred to find a rail siding to accommodate a suitable transport route to the destination. Multiple trailer configurations were evaluated as the routing requirements changed. A combination of Goldhofer platform trailers, combined with Emmert International transport dollies, were used to successfully transport the transformer.

HAULING MOVING

The **BERARD** team was recently commissioned to move a piece of naval history. The SSSB (surface ship support barge), built in the WW2 era, needed to be transported from Norfolk, VA to Mobile, AL. The barge served as a nuclear fuel support barge servicing nuclear ships in the U.S. Naval fleet at the time. Berard engineering and project management teams worked to plan and execute the multi-faceted transport process which first involved towing the SSSB from its mooring location and Newport News Shipyard to Colonnas Shipyard for float in to a drydock. Once the barge was raised to the drydock, 192 axle lines of SPMTs were positioned under neath for transloading on at a deck barge, which then sailed to Mobile, AL to be offloaded at a shipyard facility.



Detailing CCO's new testing

Last year, CCO announced an initiative to move all written exams to be delivered via computer. This move not only uses the latest and greatest testing and security technology, but it also has several key benefits for candidates and employers including:

- Immediate score reporting once exams are complete*
- 24/7 test availability
- Increased ease of scheduling or rescheduling exams
- Elimination of late application and reschedule fees

*A preliminary score will be available immediately. Results are subject to review and approval following standard testing protocols.

CCO is committed to offering candidates options that best suit their schedules and needs. To support candidates accustomed to testing in a group environment (often exams hosted by employers or following a training course), CCO will offer Event Online Testing (EOT). To support candidates wanting to test on their own schedule, CCO is introducing Online Proctored Testing (OPT).

"Both EOT and OPT leverage technology and current best practices in test delivery to improve the candidate experience through increased flexibility in scheduling and faster exam scoring, while also ensuring higher levels of test security" said Joel Oliva, CCO Senior Director of Innovation. "EOT and OPT are being launched in early 2023. These new modalities will replace current paper/pencil testing (PPT) and computer-based testing (CBT) delivery methods by the conclusion of 2023."

Event Online Testing

Event Online Testing (EOT) is CCO's solution to the group testing setting as a replacement for paper/pencil testing. In many instances, candidates are brought

together at a single location to go through training and then complete testing.

EOT supports this approach, but instead of candidates testing using paper exam booklets and scantron bubble forms, they test on computers.

EOT administrations are conducted at CCO authorized test centers. These can be established at dedicated facilities (such as an employer's office or training facility) or set up at temporary locations such as hotels or other off-site locations.

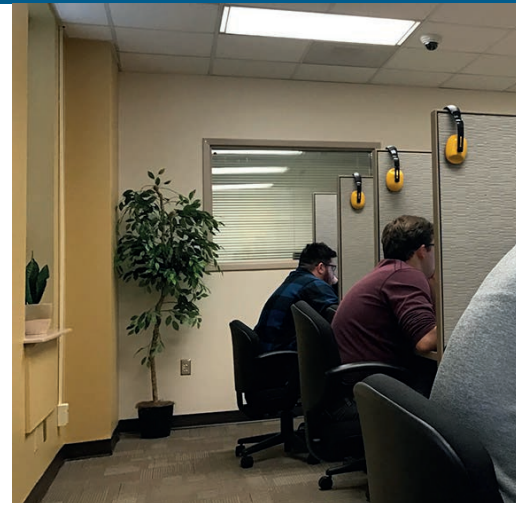
As with all testing options, candidates use the new myCCO Portal to apply online to test at an EOT administration and receive notification of approval for testing (see panel, right).

Each candidate needs a dedicated computer for EOT test administrations. However, because of the flexibility of this modality, a candidate may be scheduled to use a computer in the morning, and a different candidate may use the same device in the afternoon.

Any supplemental material, such as load charts, reference material, or calculators, are provided within the exam on-screen. On test day, candidates are checked in by a proctor who is physically present. The candidates then take all exams they are scheduled for in succession.

While candidates who currently test in a group setting (via paper/pencil) must wait up to 12 business days to receive exam results, a major benefit to moving to EOT is that all candidates who complete exams will receive their scores immediately at the conclusion of their tests.

Exam security is maintained by the physically present proctor. In addition, exam administrations are also recorded.



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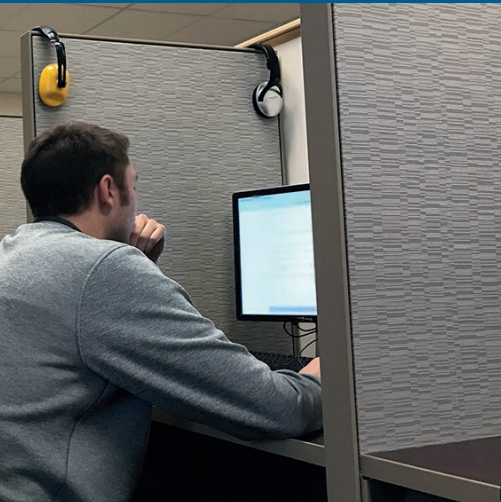
View

Every candidate is recorded from start to finish via webcam, microphone and screen record. All recordings are stored and reviewed for test irregularities.

Online Proctored Testing

While EOT meets the traditional training/testing model, Online Proctored Testing (OPT) offers the highest degree of candidate flexibility. OPT is CCO's solution to the individual testing setting, which will be a replacement for computer-based testing (at PSI test centers). OPT can be done at home or almost any private room with an internet connection. Testing is available 24/7/365 from anywhere around the world, and once approved for testing, candidates can book an OPT session in as little as 15 minutes. This will be particularly convenient for scheduling around work obligations and inclement weather, or even testing at night or on the weekend. Even more, candidates can cancel/reschedule their exam up until the exam start time with no additional fee. OPT candidates also receive their exam scores at the conclusion of their tests.

OPT incorporates additional exam security measures allowing for this more flexible testing option. In this mode an



online proctor monitors the candidate in real time via webcam, microphone and screen share, with the assistance of artificial intelligence (AI). All recordings are stored and reviewed for testing irregularities.

Before the exams start, the online proctor leads each candidate through a check-in process that takes about a half hour. They check the candidate's ID, ensure the computer meets minimum requirements and is set up properly and ensure that the computer is not running any inappropriate software. Additionally, the online proctor has the candidate perform a 360-degree room scan using the computer's camera to show that the candidate is in the room alone and that there is nothing that could be used during the exam to offer an unfair advantage.

Testing on computers

In addition to testing on computers, all test resources are provided digitally. This includes load charts, calculators, digital whiteboard and digital scratch paper. For security reasons, all physical paper is being eliminated from CCO test administrations. CCO is committed to ensuring all its candidates have a positive test experience and are prepared for test day. CCO has prepared materials to assist candidates with the new processes, including videos of what to expect and an exam demo so that candidates can practice taking an exam in the computerized environment.

Current testing

CCO will phase out both computer-based testing at PSI centers and paper/pencil testing by the end of 2023. The new modalities offer significant advantages, particularly related to candidate flexibility and test security. ■

myCCO Portal

The myCCO Portal website at <https://my.ccocert.org/> is the one-stop shop to create candidate and customer accounts, apply for certification exams and see exam results and certifications. It is also the starting point for applying and scheduling all CCO exams.

All CCO candidates (new or existing) create their myCCO account through the portal to apply for CCO exams. A myCCO Portal account enables candidates to apply for CCO exams through any of the written exam modalities (paper/pencil testing, CBT, EOT and OPT) as well as practical exams.

Signing up with myCCO is a simple, free, one-time process. Each candidate needs a unique, personal email address to create an account. To ensure that CCO can communicate with its candidates effectively, candidates are asked to verify their email address during account sign up. The system then sends the candidate an email from CCO providing them with a six-digit code that they need to enter to confirm their sign-up.

Once their email is verified, the candidate provides additional contact information to complete their profile. If the candidate has previously taken CCO exams or is certified, they can provide their CCO Candidate ID and/or Certification Number to match up their existing record.

Submitting applications on behalf of candidates

Any CCO customers who submit candidate applications on behalf of candidates (i.e., "batch submitters") also need to create myCCO Portal accounts. To submit applications on behalf of candidates, batch submitters need to have the CCO ID and date of birth for each candidate. Please note, candidates need a current myCCO Portal account for anyone to submit applications on their behalf.

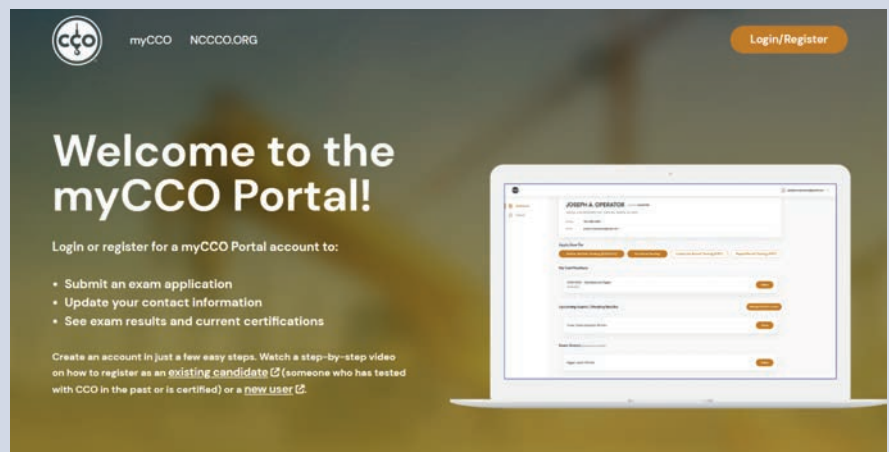
Previous myCCO mobile app users

Candidates who created an account with the previous version of myCCO (through the mobile app) need to sign in through a browser and verify their email address so that they can take advantage of all the new features of the myCCO Portal website. The mobile app version is still available, but its functionality is limited.

The future of myCCO portal

Additional features will be rolled out to the myCCO Portal including email/text alert capability, access to CCO demo exams, the ability to view and download score reports and the ability to order new CCO cards. During 2023 CCO will also move to have candidates submit their candidate photos and complete ID verification through myCCO, allowing candidates to update their photos. Additionally, candidates who register for OPT exams will use the portal to launch and take their exams.

CCO looks forward to supporting candidates and other stakeholders through this transition and has created tools and resources to assist in navigating the new processes. Should you have any questions about the changes or the new modalities, please email candidate@nccco.org.





CCO certification

CCO currently offers an industry-leading range of personnel certifications that address crane load handling equipment and related operations. The organization's 29 certification designations across 14 categories provide the industry's most comprehensive portfolio of personnel certifications available. Many are accredited by the ANSI National Accreditation Board (ANAB) to the international standard ISO 17024, and they are officially recognized by federal OSHA as meeting or exceeding ANSI/ASME/ITSDF requirements. They are also endorsed by leading insurance providers and industry membership associations.

Telehandler Operator Program

The Telehandler Operator certification is CCO's newest certification and is the first telehandler operator certification that meets both OSHA 1926 and OSHA

1910 requirements as well as ANSI/ITSDF B56.6 requirements. The program has designations for two types of telehandlers: fixed and rotating. While standard telescopic handlers – also known as “fixed telehandlers” – have boom sections to lift and extend materials for placement, “rotating telehandlers” can lift, extend, and swing. OSHA 1910 and 1926 both have requirements for operators of telehandlers and CCO certification can assist in meeting the requirements.

■ For more information, go to:
www.nccco.org/tho

Concrete Pump Operator Program

Introduced in mid-2022, the CCO Concrete Pump Operator certification program addresses the unique characteristics and operations of concrete pumps. At program launch, candidates are certified through a written exam only. However, the practical exam is



Qualification vs. certification

The federal Occupational Safety and Health Administration (OSHA) has specific – but different – qualification requirements for signalpersons and riggers. In both cases people often wonder whether “certification” equals “qualification,” and, if not, what the difference is. The main difference is the level of testing required. Qualification is done by the employer and may or may not involve formal testing; it is at the discretion of the employer's qualified evaluator. Certification requires third-party testing to provide a consistent and accurate means to determine a person's technical knowledge and hands-on skills related to the task.

What does OSHA require?

Specifically, OSHA CFR 1926.1428(c) requires that signalpersons know and understand basic hand signals; be competent in the application of the type of signals used (e.g., hand, radio); have a basic understanding of the crane's operation and limitations; and understand when it is appropriate to use hand, radio, or special signals. Most importantly, they must demonstrate qualification through an oral or written exam and a thorough practical exam, either by an accredited third-party qualified evaluator, such as CCO, or the employer's qualified evaluator. Fortunately, all of these are features of CCO's Signalperson certification, so in this case CCO-certified Signalpersons are qualified by definition.

The requirements for Riggers are less concrete, although the CCO Rigger certifications do comply with the latest ASME B30.5 requirements for rigger qualification. In some circumstances, OSHA requires employers to always use qualified riggers. These include

any hoisting activities relating to the assembly and disassembly of the rig. Qualified riggers must also be used whenever there will be other workers inside the fall zone (the area directly under a load or the expanded area a load could fall into) or whenever workers will be guiding a load, hooking and unhooking a load, or connecting a load to a structure while it is still attached to the rig.

According to OSHA, it is the responsibility of the employer to determine whether a person is qualified to be a rigger. Having a degree, certificate, or professional accreditation as a rigger is one way to qualify as a rigger. Formal qualification or certification in rigging is not required, as long as the employer can show the rigger has knowledge, experience, and training in rigging and can demonstrate the ability to solve rigging problems. Employers are not required to have riggers independently tested or assessed, but CCO certification can certainly assist in documenting that an individual is a qualified rigger.

Why certify rather than just qualify?

The process to qualify signalpersons and/or riggers can be done with less preparation than is required for certification. However, because there is no or minimal training required, the qualification process does not provide the means to fully evaluate whether a signalperson and/or rigger truly has the technical knowledge and hands-on skills to competently and safely perform crane signaling or rigging duties.

To pass signalperson and/or rigger certification exams and earn certification, comprehensive training is generally required to gain adequate technical knowledge and hands-on skills. Certification courses generally last from a few days to a few weeks and cover areas such as

programs



expected to be released in late 2023. This program tests operators on operation concepts and scenarios as well as U.S. industry standards that operators need to know, including *ASME B30.27: Material Placement Systems Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings*. The test covers conducting pre-trip planning, driving the truck, setting up the pump, conducting placement operations, preparing the pump for travel, and end-of-day operations.

■ For more information, go to:
www.nccco.org/cpo

Mobile Crane Operator Program

The CCO Mobile Crane Operator certification is the oldest and one of the most popular CCO certification programs. CCO offers three categories of mobile crane operator certification. In addition to the core written exam, candidates are required to take one or

more specialty examinations covering specific types of mobile cranes: lattice boom cranes (LAT), telescopic boom cranes – swing cab (TLL), and/or telescopic boom cranes – fixed cab (TSS). The practical examinations test real-world skills such as hoisting, booming, swinging, following hand signals, and combined function operations. Service truck cranes (STC) are a subcategory of the TSS designation. OSHA 1926 requires certification for operators of most cranes when used in construction.

■ For more information, go to:
www.nccco.org/mco

Tower Crane Operator Program

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

>30

slings, knots, signaling, load control, and safety issues. As a result, signalpersons and/or riggers who have achieved certification – because of the training and testing processes – will have the ability to perform their jobs tasks more safely and effectively.

How are signalpersons and/or riggers usually prepared for the certification exams?

A quality training program will provide a good combination of technical knowledge and hands-on examples to show application of the principles and techniques taught. Most quality training provides ample opportunity for hands-on instruction using pre-made scenarios that require the candidates to apply the technical knowledge they learned in the classroom. During training the hands-on scenarios should be assessed, and proper feedback given to the candidates to ensure complete understanding of the concepts and techniques learned. The training usually includes a pre-certification written exam so the candidate and the trainer can assess comprehension. In this way, the training is more than just “teaching to the test.”

Is it important to maintain signalperson and/or rigger certification(s)?

All accredited certification programs have a periodic recertification requirement to maintain the credential. Crane technology is ever-changing. Types of rigging and associated rigging techniques can change due to new technologies and materials. Recertification ensures that the certificant has stayed current with the latest technologies, standards, and regulations. And the recertification requirement motivates certificants to stay sharp, improve their skills, and not get complacent.

After all, any credential that is worth having is worth keeping!





trolley travel, hoisting, swinging, and combined function operations.

■ For more information, go to:
www.nccco.org/tco

Overhead Crane Operator Program

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

■ For more information, go to:
www.nccco.org/oco

Articulating Crane Operator Program

This program addresses the specific knowledge and skills required to operate articulating boom cranes and articulating boom loaders. Three designations are available: articulating boom crane operator (ABC), articulating boom crane with winch operator (ABW), and articulating boom loader operator (ABL). Candidates choose from three written exams and two practical exams. The practical exams require the operator to pick and place a test weight as directed, as well as move the crane through a zigzag corridor.

■ For more information, go to:
www.nccco.org/aco

Digger Derrick Operator Program

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

■ For more information, go to:
www.nccco.org/ddo

Dedicated Pile Driver Operator Program

The Dedicated Pile Driver Operator (DPD) certification program addresses the unique characteristics and operations of dedicated and purpose-built pile

drivers. Candidates are required to pass both a written exam and a practical exam to obtain certification. The practical exam tasks include the lifting, maneuvering and setting down of a pile, as well as the demonstration of the actions and equipment settings necessary to begin the driving of a pile.

■ For more information, go to:
www.nccco.org/dpd

Drill Rig Operator Program

The Drill Rig Operator (DRO) certification program, launched in 2018 in conjunction with ADSC – The International Association of Foundation Drilling, consists of separate certifications for operators of Foundation Drill Rigs (FDR) and for Anchor/Micropile Drill Rigs (AMP).

As with other CCO operator certifications, candidates are required to pass both a written exam and a practical exam to obtain either certification. Practical exam tasks include pre-operational inspection, safety protocols, pipe pick-up and placement, pipe laydown, drill steel placement, drilling holes, and safe travel.

■ For more information, go to:
www.nccco.org/dro

Rigger Program

Two certification levels are available: Rigger Level I (RIG-I) certification indicates that certified personnel are considered qualified for most rigging work, while Rigger Level II (RIG-II) certification shows that they can rig non-routine jobs that require independent thinking without supervision. In addition to the multiple-choice written exams, candidates must also pass practical exams covering tasks such as pre-use rigging inspection, rigging hitches, rigging connections, and basic knots.

■ For more information, go to:
www.nccco.org/rig

Signalperson Program

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

■ For more information, go to:
www.nccco.org/sgp

Crane Inspector Program

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

■ For more information, go to:
www.nccco.org/ci

Washington State Crane Certifier

Washington's Crane Certifier Program was developed by CCO under an agreement with the state's Department of Labor and state exams. Candidates must be able to demonstrate at least five years of crane-related experience, of which two years must be actual crane inspection activities. Accreditation as a Crane Certifier is available in one or more of the following crane categories: Mobile Cranes, Tower Cranes, Articulating Cranes, and/or Overhead Cranes.

■ For more information, go to:
www.nccco.org/wcc

Lift Director Program

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

■ For more information, go to:
www.nccco.org/ld

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Planning for the future

The NCCCO Foundation reflects on the past year and upcoming industry developments for 2023.

The *Seventh Annual Industry Forum* was held on October 20, 2022, as a hybrid event in both Phoenix, Arizona, and online via Zoom. The nearly 200 registrants for the educational forum heard from a slate of expert speakers presenting on topics such as safety, mental health, the latest on certification, Crane Type Advisory Group (CTAG) activities, and test security.

The keynote speaker was once again Scott Ketchum, Director, OSHA Directorate of Construction, who flew to Arizona to speak in person. As in previous years, Director Ketchum's presentation was very informative, providing insight on OSHA focus areas and compliance concerns.

As always, the Industry Forum was well-received by attendees. Ninety-five percent of attendees responding to the post-meeting survey said they were "very satisfied" or "somewhat satisfied" and the same percentage stated they would "definitely" attend again.

The NCCCO Foundation intends to build on the success of the annual Industry Forum in the future by providing additional educational opportunities to the crane industry through regularly scheduled webinars that are focused on safety, research and



Attendees at the Seventh Annual Industry Forum held in Phoenix in October 2022.

workforce development throughout the year.

Recordings of all sessions of the Seventh Annual Industry Forum including the Q&A panel are available on the Foundation website www.ncccofoundation.org.

Change in leadership

In August, Graham Brent retired, after three years as CEO of the NCCCO Foundation and previously 23 years as the founder and CEO of the NCCCO. Some of the many accomplishments of the NCCCO Foundation during Brent's tenure included creation of the V.I.C.T.O.R. program to recognize veterans transitioning to the crane industry, research reports on several industry-specific topics, development of certification and safety information and the establishment of several relationships with key partners in the areas of workforce development, research, and safety. His successor, T.J. Cantwell, was selected by the NCCCO Foundation Board of Directors after a nationwide search and is tasked with helping the organization continue its mission to promote industry safety.

Strategic planning

The NCCCO Foundation held its first strategic planning meeting in 2022 to

provide consensus and clarity for the organization as it plans to launch new and exciting initiatives in the coming years. As part of the meeting, the Board developed and approved its vision for the load handling industry and three priority goals for the NCCCO Foundation focused on workforce development, education, and research.

VISION

We envision a load handling industry that is recognized as a leading provider of safe and rewarding careers in construction and related industries.

GOALS

WORKFORCE DEVELOPMENT – Improve public awareness of careers in the load handling industry and help share the skills and qualifications needed.

EDUCATION

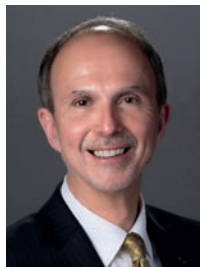
Disseminate and promote information that improves safety, skills development, and career advancement in the load handling industry.

RESEARCH

Facilitate research and data collection regarding safety, innovation, and workforce development in the load handling industry.



T.J. Cantwell,
Executive Director,
NCCCO Foundation



Graham Brent,
Retired NCCCO
Foundation CEO

Back in balance

SC&RA returns to familiar ground in 2022.

The big-picture view coming out of SC&RA as 2022 comes to a close is that things finally seem to be trending towards normal again.

Which is just one of the many positives to build on heading into next year, according to CEO Joel Dandrea.

“As both an Association and a membership, we all worked really hard to establish some degree of normal operations this year,” he said, “and as a result, member retention is up, and we saw a high degree of participation at events, especially with first-timers and new members.”

Using October’s Crane & Rigging Workshop as a gauge, Dandrea added, “The Workshop served as a productive indicator for what 2023 should look like – from attendance to speakers to engagement, as well as great member feedback.”

To Dandrea’s point, numbers for the Workshop resembled pre-pandemic years, with 586 total registrants, a record 80 first-timers, 76 exhibitors, 29 international attendees from 10 countries and 9 new members.

Jason Bell, SC&RA Director, Membership, echoed Dandrea’s

SC&RA hosted members of AGEDI (The Association of Cranes, Equipment and Industrial Devices of Mexico) in August.

observations. “That meeting felt very much like a springboard heading into 2023,” he emphasized. “Including the Symposium and Annual Conference earlier in the year, it tells the story that we’re steadily making our way back to those pre-pandemic levels.”

As for the overall story, Bell sees SC&RA membership in 2022 as a tale of three benchmarks. “First, it was member retention, where we typically try and land at 92 percent – but SC&RA hit 92.75 percent this year,” he noted. “From there, it was our first-year renewals, where we met our goal this year at 80 percent. And then it was new members – where, so far, we’re seeing an uptick, and absolutely headed in the right direction.”

Crane & Rigging

On the Crane & Rigging side in 2022, SC&RA was busy as usual, and remained focused on a broad collection of issues and initiatives pertinent to members.

During a presentation at the Workshop covering OSHA’s new Compliance

Directive, SC&RA, along with Michael Rubin, then with law firm Goldberg Segalla, unveiled SC&RA’s OSHA Legal Defense Guide, which is free to members.

Additionally, both the transportation and crane and rigging sides of SC&RA will continue to urge FMCSA to renew the Hours of Service exemption for mobile cranes, which is set to expire in 2023.

Transponders was another hot topic in 2022, and in November, the Association filed formal comments opposing federal government requests for access to transponders in large commercial motor vehicles, including mobile cranes – which industry sees as a way for government to ultimately impose additional regulations.

SC&RA is also considering joining a coalition unified in opposition to legislative or regulatory proposals (i.e., “Right to Repair”) that would allow for unfettered government access to the software that governs safety, security and, in the case of engine-powered products, emissions technology.

In May, SC&RA helped defeat expansion of OSHA’s “Occupational Exposure to COVID-19 in Healthcare Settings” Rule, 87 Fed. Reg. 16426. According to Beth O’Quinn, SC&RA Senior Vice President, Crane & Rigging, as part of the Construction Industry Safety Coalition, SC&RA submitted comments in response to OSHA’s request for additional input.

“The comments stated that any attempts by OSHA to expand the emergency temporary standard to cover construction is not supported by the evidence and would be impermissible under the Occupational Safety and Health Act of 1970,” she said.



As 2022 came to a close, SC&RA targeted five individual states for prioritized permit harmonization advocacy in 2023: Massachusetts, California, North Carolina, Utah and Iowa.



Moreover, as a member of the International Crane Stakeholders Assembly, SC&RA completed the development of two additional guidance documents in 2022 – “Working with Land-based Mobile Cranes on Floating Vessels” and “Using Mobile Cranes with Freely Suspended Equipment for Pile Driving/Extraction.”

Strengthening ties south of the border, SC&RA hosted members of AGEDI (The Association of Cranes, Equipment and Industrial Devices of Mexico) in August and discussed best practices that can help new, organizing associations in Mexico serve the industry and maintain ongoing dialog with SC&RA. This effort adds to ongoing alliances SC&RA maintains with ESTA (European Association for the Abnormal Road Transport and Mobile Crane Rental Industry), CRAC (Crane Rental Association of Canada), CICA (Crane Industry Council of Australia), NZHHA (New Zealand Heavy Haul Association) and Sindipesa (National Union of Heavy and Exceptional Cargo

Both the transportation and crane and rigging sides of SC&RA will continue to urge FMCSA to renew the Hours of Service exemption for mobile cranes, which is set to expire in 2023.



Transport and Handling Companies, Brazil).

Looking ahead for crane and rigging members, CONEXPO 2023 will include a cranes/rigging/aerial lifts track, which SC&RA developed together with the NCCCO Foundation. Through SC&RA's participation, Association members, whether attending or exhibiting, will receive a discount code.

Specialized transportation

On the transportation side, automated permitting systems were again a focus in 2022. “Two new systems came online this year – Virginia and North Carolina,” said Chris Smith, SC&RA Vice President, Transportation. “Connecticut and California announced they're looking to come online as well.”

Smith added, “A core issue remains, however – regarding ‘automation’ versus ‘auto-issue’ – as some states adopt online application systems that are automated, but still require human processing and other reviews before issuing permits.”

As for national and regional priorities, 11 states remain in the “red” on the UPT 2021 map, while a recent audit of Phases I and II of SC&RA's Permit Harmonization initiative revealed that only 50 percent of states have fully implemented changes over the last decade. The Association will continue to pursue Phase III under the condition that Phases I and II must still be fully implemented.

As part of a continuing permit harmonization initiative for both transportation and crane Association members (permitted loads include both OS/OW as well as mobile cranes), five individual states have been targeted for prioritized advocacy in 2023: Massachusetts, California, North Carolina, Utah and Iowa.

Parking, escorts and pilot car insurance were also areas of advocacy focus for SC&RA in 2022. In regards to escorts, adequate insurance availability and timeliness of law enforcement are becoming an increasingly greater

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In concert with the NCCCO Foundation, SC&RA has developed a cranes/rigging/aerial lifts track for CONEXPO 2023. Through SC&RA's participation, Association members will receive a discount code.

challenge in the U.S. SC&RA will be looking to develop policy on how to increase the use of private escorts in 2023.

Advocacy strategy

In 2022, SC&RF (Specialized Carriers & Rigging Foundation) awarded more than 40 scholarships, and took part in multiple reports and projects significant to both members and the overall industry.

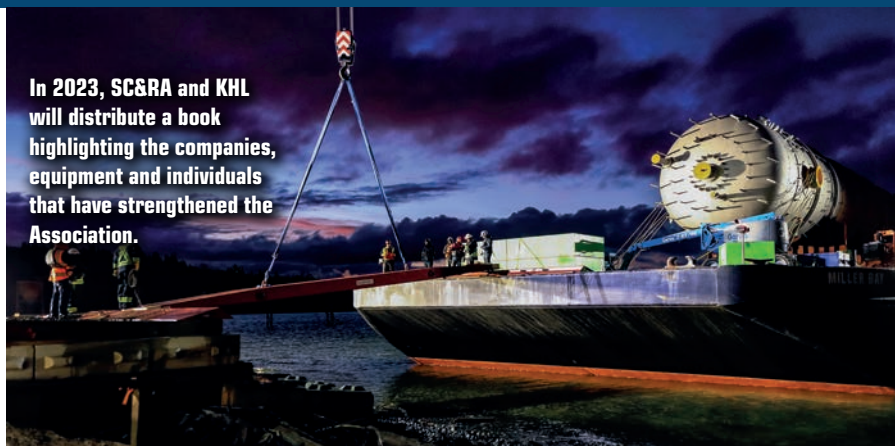
First, the much-anticipated Economic Impact Report will serve as the centerpiece of SC&RA's advocacy strategy moving forward. The report highlights not only the macroeconomic impact the crane, rigging and specialized transportation industries have on the global economy, but also the essential public benefits the industry supports.

Additionally, SC&RF worked diligently to complete one of its foremost research projects, a white paper titled: The State of the Workforce in the Specialized Transportation, Crane, and Rigging Industry.

Foundation Director, Jackie Roskos, indicated that SC&RF will look to present the findings from both initiatives to members and the industry in Q1 2023.

SC&RF also established a new Endowment Fund for 2023, designed to focus on succession planning, as well as a new educational assistance initiative called the Company Training (CT) Grant, which will help to cover the cost

In 2023, SC&RA and KHL will distribute a book highlighting the companies, equipment and individuals that have strengthened the Association.



of sending employees out to training, or bringing in a trainer.

Working together

SC&RA also put together its debut Environmental Forum in September, as well as the first Women's Executive Roundtable in August – which included women executives in crane, rigging, specialized transportation and allied member companies, discussing their top challenges and priorities.

In-person meetings to plan for in 2023 include: the January Board Meeting (January 4-7, Bonita Springs, Fla.), the Specialized Transportation Symposium (February 28-March 2, Orlando, Fla.), the Annual Conference (April 17-21, Carlsbad, Calif.) and the Crane & Rigging

Workshop (September 16-18, Oklahoma City, Okla.).

And in 2023, as part of the Association's 75th anniversary, which SC&RA will be spotlighting in numerous ways throughout the year, members should keep an eye out for *Legendary*, a compendium-style book that SC&RA and KHL are working together to produce.

The publication will detail the companies, equipment and individuals who have contributed to the Association's success over the past 75 years. Upon completion of the book, every SC&RA member company will receive a copy. ■



LEGENDARY!
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SC&RA organized its first Women's Executive Roundtable in August 2022 – which included women executives in crane, rigging, specialized transportation and allied member companies.

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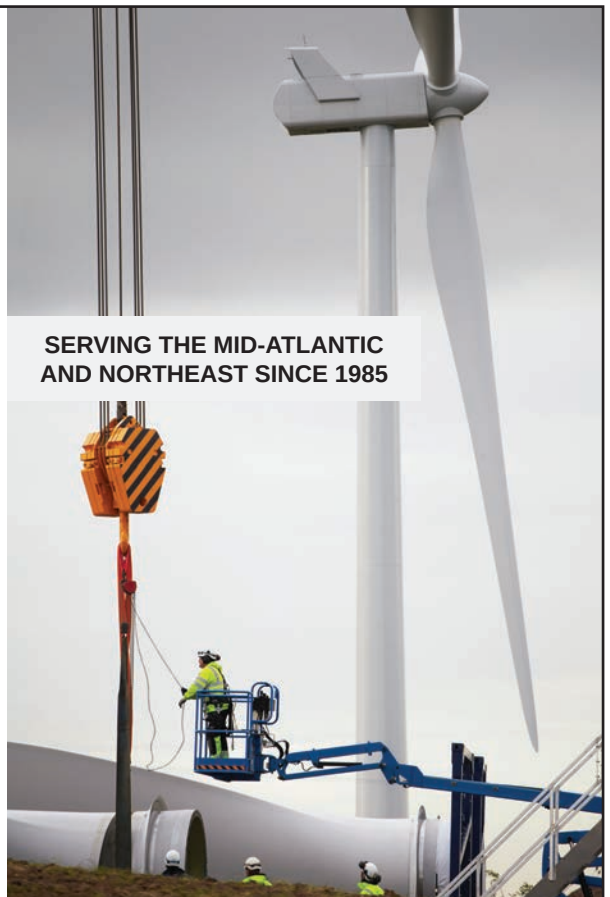
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- Procedures and contacts
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EDUCATION/TRAINING

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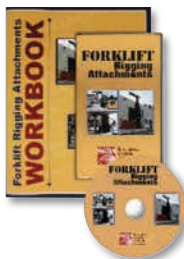
This 20-minute video and workbook covers the most common forklift attachments from booms, winches, and side shift carriages to personnel baskets and fork extensions.

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

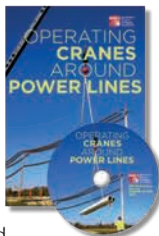
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Item PL_B (Book Only)

1-25 copies: **R** \$10.99 **M** \$7.99

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SPECIALIZED TRANSPORTATION DRIVER TRAINING

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

This video addresses driving skills like right turns and rail road crossings, as well as route planning, permits, and hazard identification. Additional topics include liability issues with OS/OW loads and advice for working with a team.

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THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT

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

Please specify English, Spanish or Portuguese.

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



R = Retail price

M = Member price

EDUCATION/TRAINING cont.

GLOSSARY OF COMMON CRANE AND RIGGING TERMS

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

Item CR5 (English)

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

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

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CRANE HAND SIGNALS MOBILE APP

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CRANE HAND SIGNALS POCKET GUIDE

All the crane hand signals in a handy pocket guide format in both English and Spanish. Includes illustrations for each signal. Pocket Guides are a tri-fold design and fit easily into a pocket or wallet. A must have for every signal person on your site. (Pack of 10).

Item S14—1 Pack: **R** \$26.00 **M** \$16.00



GLOSSARY OF COMMON CRANE AND RIGGING TERMS

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

Item CR5 (English)/Item CR5-S (Spanish)

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THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT

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



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 11+ copies: **R** \$115.00 **M** \$40.00

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

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



PRODUCT CATALOG

UNION AGREEMENTS

UNION AGREEMENTS

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



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

NCEFR—National Agreement for Remodeling, Repair, Replacement, Renovation & Maintenance Work

To read the full agreement, visit www.scranet.org/NCEFR



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

To read the full agreement, visit www.scranet.org/MWA



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

–Association of Millwright Contractors

To read the full agreement, visit www.scranet.org/MWAM



INTERNATIONAL UNION OF OPERATING ENGINEERS Operating Engineers Agreement

To read the full agreement, visit www.scranet.org/OEA

R = Retail price

M = Member price

INSPECTION FORMS/CHECKLISTS

ASSEMBLY/ DISASSEMBLY CHECKLISTS

Mobile Crane Pre-Job Safety Meeting Checklist

This checklist provides more than 45 items that should be reviewed before beginning onsite work. Categories include hazard assessment, power line safety, qualified workers, and crane configuration. (25 forms per pad. Includes a carbon copy. Size is 8.5X14)

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



CRANE SAFETY INSPECTION FORM (DAILY/MONTHLY)

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

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



TOWER CRANE PRE-DELIVERY INSPECTION CHECKLIST

This checklist provides more than 220 items that should be reviewed prior to shipping a tower crane to a job site. Categories include internal climber, trolleys, outriggers jib, base, tower, turntable and boom hoist. (25 forms per pad. Includes a carbon copy. Size is 8.5X14)

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



LATTICE BOOM CRANE ANNUAL INSPECTION CHECKLIST

Safety is a daily concern, but annually a more thorough inspection is required. This includes more than 180 items to be inspected. In addition to a section for wire rope there is a chart for recording a load test as well as a deficiency report.

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



TELESCOPING BOOM CRANE ANNUAL INSPECTION CHECKLIST

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

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



SIGNS/DECALS

CRANE HAND SIGNALS POSTER DECAL— ENGLISH/SPANISH

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

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



DEATH OVERHEAD DECAL

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

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



SC&RA: "MEMBER" DECALS

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

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

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



R = Retail
price

M = Member
price

PRODUCT INDEX

PRODUCT CATALOG

PERMIT MANUAL

State & Province Oversize/Overweight Permit Manual *(Digital Subscription)*

ITEM	RETAIL	MEMBER
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T1	\$300.00	\$160.00
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EDUCATION/TRAINING

Forklift Rigging Attachments *(DVD+Book set)*
Forklift Rigging Attachments *(Book only)*
Glossary of Common Crane and Rigging Terms
Glossary of Common Crane and Rigging Terms *(Spanish)*
Operating Cranes Around Powerlines *(Set-DVD + Booklet)*
Operating Cranes Around Powerlines *(Booklet Only)*
Recommended Practices for Telescopic Hydraulic Gantry *(DVD+book)*
Recommended Practices for Telescopic Hydraulic Gantry *(Book Only)*
Specialized Transportation Driver Training DVD
Specialized Transportation Load Securement DVD
The Guide to Mobile Crane Safety Management *(English/Spanish/Portuguese)*

ITEM	RETAIL	MEMBER
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F8B	\$119.00	\$89.00
F8W	\$39.00	\$29.00
CR5	\$14.95	\$12.95
CR5-S	\$14.95	\$12.95
PL-SET	\$195.00	\$150.00
PL_B	\$10.99	\$7.99
HGD	\$129.00	\$99.00
HG	\$69.00	\$49.00
S16D	\$195.00	\$150.00
S16B	\$195.00	\$150.00
CR3	\$199.00	\$99.00

MEMBER DIRECTORY

Directory of Members and Equipment *(Print)*
Directory of Members and Equipment *(CD-electronic)*

ITEM	RETAIL	MEMBER
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T7	\$115.00	\$50.00
T7A	\$499.00	\$145.00

UNION AGREEMENTS

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

See Agreement
See Agreement
See Agreement
See Agreement

INSPECTION FORMS/CHECKLISTS

Mobile Crane Pre-Job Safety Meeting Checklist *(Pad of 25)*
Tower Crane Pre-Delivery Inspection Checklist *(Pad of 25)*
Crane Safety Inspection Form *(Daily/Monthly)* *(Pad of 50)*
Lattice Boom Crane Annual Inspection Checklist *(Set of 10)*
Telescoping Boom Crane Annual Inspection Checklist *(Set of 10)*

ITEM	RETAIL	MEMBER
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S20	\$17.00	\$12.00
S21	\$17.00	\$12.00
S1	\$12.00	\$8.00
S17	\$17.00	\$12.00
S18	\$17.00	\$12.00

SIGNS/DECALS

Crane Safety Inspection Form *(Daily/Monthly)*
Death Overhead Decal
SC&RA Member Decals *(3x3)*
SC&RA Member Decals *(9x11)*

ITEM	RETAIL	MEMBER
------	--------	--------

S1	\$12.00	\$8.00
S8	\$4.00	\$3.00
G3	n/a	\$2.00
G4	n/a	\$3.00

TRANSLATED PRODUCTS

Crane Hand Signal Poster Decal *(11x16)*
Crane Hand Signal Pocket Guide
Crane Hand Signals Mobile App
Glossary of Common Crane and Rigging Terms
The Guide to Mobile Crane Safety Management *(English/Spanish/Portuguese)*

ITEM	RETAIL	MEMBER
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S13	\$5.50	\$4.50
S14	\$26.00	\$16.00
CR5	\$14.95	\$12.95
CR3	\$199.00	\$99.00

R = Retail price

M = Member price

Staying ahead of

If your company is experiencing inventory shortages to your auto, truck or heavy equipment fleet, you are not alone. Supply chain bottlenecks, skyrocketing prices and long wait times for new equipment have become commonplace as the pandemic effects ripple through the global economy. As some aspects of life and business return to normal, equipment sourcing issues are still stubbornly hanging on.

Despite the cost and scarcity of new equipment, companies still need to expand their fleets and replace aging equipment, which leads to questions about insurance coverage. Is your risk management plan and insurance coverage prepared for additions to your fleet?

Chain of events

The heavy construction industry is weathering a perfect storm: the economy is recovering, and long-delayed projects are moving forward. The U.S. recently passed an enormous infrastructure bill, allocating billions of dollars to new projects. Emerging markets are spiking end-user demand for equipment as well. An increase in demand is one thing, but add to the disrupted supply chains and you get the current state of affairs.

On the one hand, we're seeing encouraging numbers in the industry. The *American Crane's & Transport (ACT)* Heavy Equipment Index (HEI) reflected a stabilization during 2021, followed by increasing economic pressures in 2022 including global economic slowdowns, exchange rates and interest rates. The HEI tracks eight of America's largest, publicly traded, equipment manufacturers. Looking at 52 weeks through November 2022, the HEI indicates positive yet narrow profit margin gains.

Speaking to the commercial

Jason Baynard points out insurance impacts of fleet expansion.



construction economic trends, CBRE's new Construction Cost Index forecasts a 14.1 percent year-over-year increase in construction costs by year-end 2022 as labor and material costs continue to rise. Followed by a stabilization to 2-4 percent range in 2023 and 2024, getting back on track with historical averages.

On the other hand, all of this growth inevitably leads to high demand, and that's where the challenges begin. When the pandemic kicked in and demand dropped, many manufacturing operations had to drastically scale back in order to stay afloat. Now that the economy is recovering, many businesses are having trouble getting production back up to pre-pandemic levels. Even under normal circumstances, it takes manufacturers time to get back up and running after a slowdown as drastic as the early days of Covid. Rehiring skilled workers or searching for new ones takes time. On top of labor issues, the global supply chain has been drastically affected as well, and manufacturers are running out of some key, raw materials.

Chip shortage

Several raw materials are feeling the supply squeeze, such as steel and rubber, but the one that gets the most attention, and whose effects are felt across nearly all industries, is the shortage in semiconductor material for microchips. The lack of supply of these critical and ubiquitous materials is easily the biggest challenge facing manufacturing across all industries.

It's difficult to overstate the importance of microprocessors and microchips in

today's transportation world. Every new vehicle that comes off the assembly line – be it a car, truck, semi, or crane – utilizes microchips in the building process. On top of that, semiconductor materials are used in nearly all modern electronic devices, from phones to televisions to medical equipment. While microchip suppliers are doing all they can to meet demand, they are still falling far behind. One CFO of a major chip maker recently stated that their company is already sold out through 2023. The shortage, while being addressed, will likely continue for quite some time.

Rising cost of business

Ballooning demand and shrinking supply add up to one thing—rising costs. Even as markets are projected to rebound, the cost of doing business makes it difficult for companies to know how to proceed. Increased cost of supplies, coupled with increased wages, pushes up inflation, which is passed along to the heavy equipment buyers. Not only is new equipment harder to come by, it's also considerably more expensive.

This trend is making companies take a closer look at maintaining their fleets – keeping existing equipment on the job longer – which comes with its own set of challenges. Skilled labor shortages make it more difficult to service equipment and keep it operational, though there are strong reasons to be optimistic that this labor shortage will subside. The Associated Equipment Distributors Foundation (AED) has recently taken steps to address the labor gap by accrediting several community colleges and high schools across the country to

THE AUTHOR

Jason Baynard is an assistant vice president of underwriting for NBIS. With decades of inland marine and large account experience, he is integral to risk

assessment and underwriting guidance for NBIS.



shortages



teach an AED-developed curriculum. This effort hopes to create a strong and robust pipeline of skilled workers across the country for member organizations and the industry in general.

As another alternative to buying new equipment, many companies have turned to auctions to procure heavy construction

and trucking vehicles. However, what was once a reasonably cost-effective way to maintain fleets has also been hit by rising costs.

The insurance perspective

While fleet shortages are causing some financial challenges for the construction industry, in many ways these are good problems to have. Construction projects are up, and the 10-year timeline of the Infrastructure Investment and Jobs Act indicates that the industry can expect a period of sustained growth. Companies that might be questioning whether now is the time to invest in new or replacement equipment can conservatively estimate that growth will continue. Adding new equipment increases the marketability of your company to do work, but how does that impact your risk management plan? What about employee training? Crane operators need to be certified and

SOURCES

<https://www.seattletimes.com/business/caterpillar-pushes-through-supply-constraints-in-strong-q4/>

<https://www.constructionequipmentguide.com/heavy-equipment-industry-feeling-the-squeeze/54743>

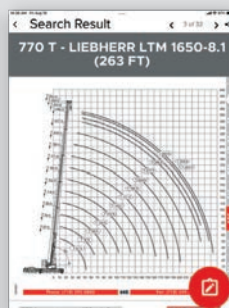
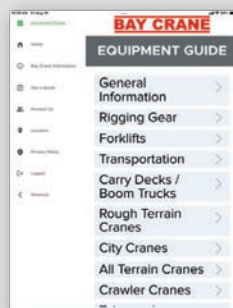
<https://www.prnewswire.com/news-releases/used-truck-values-continue-historic-ascent-and-construction-equipment-values-remain-flat-as-farm-machinery-dips-slightly-301403764.html>

<https://www.newswire.ca/news-releases/ritchie-bros-attracts-17-000-online-bidders-for-ca-85-million-edmonton-ab-auction-834242345.html>

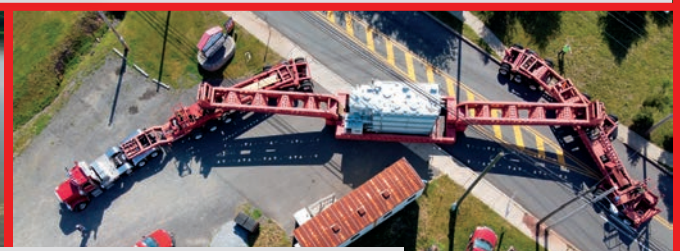
<https://www.wired.com/story/why-chip-shortage-drag-on/>

qualified for various equipment, so you may need to update your risk management plan to include nuanced changes, such as equipment check in and check out processes.

All this fluctuation can lead to questions about your insurance coverage. Does your policy have co-insurance provisions that can protect you in the event of a loss? Does your insurance carrier have limitations on total insured values by a piece of equipment or across an entire fleet? As the economic situation in the U.S. continues to evolve, it is more important than ever to consult with your appointed insurance professional. ■



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A symbiotic relationship

How to get the most out of your insurance connections.

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

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

SEEK OUT STABILITY. Understand the financial stability and strength of your insurance carrier by looking at their A.M. Best rating. Understand how long they have been in business, their financial ratios, and key operating characteristics.



THE AUTHOR

Rose Augustin is marketing supervisor for National Interstate Insurance Company based in Richfield, OH. National Interstate Insurance is rated "A+"

(Superior) by A.M. Best (rating affirmed on December 3, 2021.)

THINK FINANCING RISK NOT BUYING INSURANCE. Insurance is likely one of your top organizational expenses. Therefore, spending the appropriate time analyzing short, intermediate and long-term goals is extremely important. There are several options beyond transferring all your risk to an insurance carrier. National Interstate recently launched the Boomerang program which gives crane, rigging and specialized carriers the best of both worlds: the upfront cash flow savings of a deductible program coupled with the stability and potential rewards of a captive program. It is important to understand the pros and cons of large deductibles, captive programs, retrospective rated options and other solutions available to you in the marketplace. Reach out to your carrier or broker if you have any questions regarding the best option when it comes to financing your risk.

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

Tools and services

TAKE ADVANTAGE OF RISK MANAGEMENT SERVICES. Many insurance carriers offer risk management services and programs to assist you in becoming a more safe, effective and efficient operation. Many of these services are included with a



policy and should not be overlooked. These may include pre-packaged safety meetings, online training videos, sample safety programs and guides. Your carrier may even offer suggestions or support for services and technology like telematics programs, accident event recorders, defensive driver training, certifications, return-to-work programs and so on. Your insurance providers should offer tools and services to help control and lower your claims, ultimately helping to drive down your cost of risk over time.

IDENTIFY JOINT GOALS WITH YOUR CARRIER.

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

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

AVOID HIRING YOUR CLAIMS. Incorporate physical abilities testing (PAT) programs



PHOTO: ADOBE STOCK

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

into your hiring process, and ensure you consistently enforce your hiring guidelines.

Choosing the best program MEET YOUR INSURANCE CARRIER. You want an insurance carrier that will be your best partner on your worst day. Get to know insurance company personnel, including its senior executives, and develop a long-term affiliation. If you build strong relationships with the right people, your insurance experience can be

crafted to meet the unique needs of your organization.

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

haunt you for years, driving up insurance costs down the road. Find an insurance carrier with true expertise in handling complex claims and demand excellent communication throughout the claims handling process.

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



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American Cranes & Transport's 17th annual **ACT100**

Index of North America's top crane-owning companies.

The **ACT100** index of North America's top crane-owning companies declined in 2022, the first time in a long time that our index has not grown. There's been a sell off of cranes by most companies on the list, most notably by Maxim Crane Works, still the number one company on the list for 17 years running.

Maxim's index dropped from 715,000 tons to 261,743 tons. Maxim's total tonnage fell by 453,257 tons. The entire **ACT100** index shrank by 329,339 tons. While a lot of companies right-sized their fleets, a few made notable gains. For the most part, the top 10 companies still ranked in the top 10 with Buckner HeavyLift moving up two spots and a couple of companies in the top 10 trading places.

Companies in the top 10 that saw growth in their **ACT** index included Bigge, Buckner, Marmon and TNT. Last year, the **ACT100** added



Mammoet's Focus 30 works at a petrochemical plant in Port Arthur, TX.

BY THE NUMBERS

EMPLOYEES

41,032

BRANCHES

784

MOBILE CRANES

15,557

CRAWLER CRANES

3,129

TOTAL CAPACITY

2,553,322 tons

ACT100 2023

Submit information for the 2023 **ACT100** by emailing:
d.ann.shiffler@khl.com or
hannah.sundermeyer@khl.com.

Top 10 largest crawler fleets

RANK 2022	COMPANY NAME	WEBSITE	CRAWLER FLEET	ACT INDEX
1	Lampson International	lampsoncrane.com	393	128,768
2	Maxim Crane Works	maximcrane.com	389	261,743
3	Bigge Crane and Rigging Company	bigge.com	346	248,706
4	ALL Family of Companies	allcrane.com	307	160,239
5	Buckner HeavyLift Cranes	bucknercompanies.com	181	130,040
6	Mammoet Americas	mammoet.com	136	99,689
7	Marmon Crane Services Inc.	marmoncranes.com	97	129,087
8	J.F. Lomma Inc.	jflommainc.com	91	40,456.50
9	W.O. Grubb Crane Rental	wogrubb.com	81	59,794
10	TNT Crane & Rigging	tntcrane.com	62	91,446

>50

RANK 2022	RANK 2021	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
1	► 1	Maxim Crane Works	USA	60	3,046	National	Paul McDonnell, CEO
2	► 2	Bigge Crane and Rigging Company	USA	23	1,081	National	Weston Settlemier, President/CEO
3	► 3	ALL Family of Companies (ALL Erection & Crane Rental)	USA	31	1,600	Worldwide	Michael L. Liptak, President
4	▲ 6	Buckner HeavyLift Cranes	USA	3	250	Worldwide	Doug Williams, CEO
5	► 5	Marmon Crane Services	USA	52	2,175	Worldwide	Tim Benjamin, President
6	▼ 4	Lampson International	USA	7	300	Worldwide	William Lampson, President
7	► 7	Mammoet Americas	USA	24	7,000	Worldwide	Paul van Gelder, CEO
8	▲ 9	TNT Crane & Rigging	USA	45	1,750	National	Mike Appling, Jr., CEO
9	▼ 8	Barnhart Crane & Rigging	USA	55	1,600	National	Alan Barnhart, CEO
10	► 10	Beyel Brothers	USA	9	400	Regional	Joseph D. Beyel, President
11	▲ 12	Deep South Crane & Rigging	USA	7	700	Worldwide	Mitch Landry, President
12	▼ 11	W.O. Grubb Crane Rental	USA	12	500	National	Michelle Grubb, CEO
13	► 13	Bragg Crane Service	USA	15	1,200	National	Mike Roy, Executive Vice President
14	▲ 20	Sterett Crane & Rigging	USA	12	185	National	William Sterett III, President
15	▼ 14	Lomma Crane & Rigging	USA	8	175	Worldwide	Frank Signorelli, COO
16	► 16	Guay Inc.	CANADA	24	500	National	Jean-Marc Baronet, President
17	▲ 18	ML Crane Group	USA	13	500	National	Caroline Asimakopoulos, President
18	▼ 17	Sarens USA	USA	4	300	Worldwide	Lee Rowe, Regional Director
19	▼ 15	Mountain Crane Service	USA	7	229	Regional	Paul Belcher, CEO
20	▲ 21	NCSG Crane and Heavy Haul	CANADA	9	375	National	Heather MacCallum, President/CEO
21	▼ 19	Bay Ltd.	USA	5	3,000	Worldwide	Berry Peterson, Vice President
22	► 22	Scott-Macon Equipment	USA	8	200	Worldwide	Allan Woodruff, Executive Vice President
23	NEW	Allegiance Crane & Equipment	USA	8	350	Regional	Justin Romero, COO
24	▼ 23	Marco Crane & Rigging	USA	7	253	National	Dan Mardian, Jr., President
25	► 25	Superior Cranes	USA	11	280	Worldwide	Joe Everett, President
26	► 26	Lift Source Machinery	USA	1	10	Worldwide	Don Udelson, CEO
27	▼ 24	Stevenson Crane Service	USA	4	222	National	Donna Stevenson, President
28	NEW	RMS Cranes	USA	6	320	Regional	Michael Willenborg, President
29	► 29	Northwest Crane Service	USA	11	118	Worldwide	Andy Hodges, President
30	► 30	NessCampbell Crane + Rigging	USA	10	350	Regional	John J. Anderson, President
30	▼ 28	Imperial Crane Services*	USA	2	200	Worldwide	B.J. Bohne, President/CEO
31	▼ 28	Fagioli Inc. (USA)	USA	4	124	Worldwide	Edoardo Ascione, President
32	▲ 34	Big B Crane	USA	2	143	Regional	Daniel Basden, President
33	► 33	Dielco Crane Service	USA	1	126	Regional	David Dieleman, President
34	▲ 35	Joyce Crane	USA	6	168	Regional	Joe Bob Joyce, President
35	▼ 27	Davis Crane Companies	USA	10	336	Regional	Dennis Davis, President/CEO
36	▲ 46	Atlas Crane Service	USA	4	119	National	Zach Prentis, President
37	▼ 28	Custom Truck One Source	USA	37	1,800	National	Fred Ross, CEO
38	▼ 36	Dozier Crane	USA	4	60	Worldwide	Cary Goodwin, Vice President
39	▲ 40	Wagstaff Crane Service	USA	1	110	Regional	Judd Wagstaff, Manager
40	▼ 39	Mr. Crane	USA	4	200	National	Andy M. Steinberg, President & CEO
41	▼ 37	Kelley Equipment of Florida	USA	2	150	Regional	Daniel H. Gold, CEO
42	▼ 38	Circle 8 Crane Services	USA	5	113	Regional	Phillip Bryson, CEO



WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
maximcrane.com	1,750	389	Manitowoc 31000	2,535	261,743
bigge.com	1,011	346	Liebherr LR 11000	1,100	248,706
allcrane.com	1,659	307	Liebherr LR 11000	1,200	160,239
bucknercompanies.com	10	181	Liebherr LR 13000	3,307	130,040
marmoncranes.com	1,046	97	Liebherr LTM1700-9.1	900	129,087
lampsoncrane.com	65	393	Lampson Transi-Lift LTL-3000	3,000	128,768
mammoet.com	530	136	Mammoet PTC200	5,000	99,689
tntcrane.com	598	62	Liebherr LTM 1750-9.1	900	91,446
barnhartcrane.com	505	52	Demag CC8800	1,375	87,905
beyel.com	235	61	Manitowoc 21000	1,000	70,315
deepsouthcrane.com	279	29	VersaCrane TC 36000/2	3,000	60,652
wogrubb.com	284	81	Liebherr LR 1750/2	825	59,794
braggcompanies.com	375	49	Liebherr LR 1750/2	825	49,844
sterettcrane.com	184	34	Liebherr LTM-11200-9.1	1,500	44,675
jflomainc.com	95	91	Manitowoc 18000 w/Maxer	826	40,456.50
gruesguay.com	445	18	Liebherr LTM 11220-9.1	1,500	39,644
mlcranegroup.com	199	31	Liebherr LTM 1750-9.1	900	36,176
sarens.com	125	28	Demag CC8800	3,200	35,842
mountaincrane.com	91	49	Liebherr LR 11000	1,100	35,332.50
ncsg.com	167	28	Liebherr LTM 11200-9.1	1,350	30,149
bayltd.com	101	23	Liebherr LTM 11200-9.1	1,322	29,055
smequipment.com	478	46	Tadano ATF220G-5	250	27,875
allegiancecrane.com	230	8	Demag AC700-9	800	26,599
marcocrane.com	211	31	Grove GMK 7550 w/Megawing	550	25,679.50
superiorcranes.com	149	18	Demag CC6800	1,325	25,613
LSMcrane.com	91	21	Liebherr LTM 1750	900	24,770
stevensoncrane.com	184	35	Liebherr LTM 1650	770	23,850
rmscranes.com	93	28	Liebherr LTM 1750-9.1	900	22,067
northwestcraneservice.com	40	6	Liebherr LR 11000	1,200	18,735
nesscampbell.com	115	8	Liebherr LTM 1500-8.1	600	18,143
imperialcrane.com	190	29	Liebherr LTM 1500	500	18,143
fagioli.com	10	14	Liebherr LR 11350 P-Boom	2,000	15,600
bigbcrane.com	45	41	Liebherr LTM 1500-8.1	600	15,056
dielcocrane.com	72	18	Liebherr LR 1600	600	14,955
joycecrane.com	99	1	Liebherr LTM 1750-9.1	900	14,518
daviscrane.com	163	3	Liebherr LTM 1500-8.1	600	14,494
atlascraneserviceinc.com	67	11	Liebherr LR 11000	1,200	14,448
customtruck.com	315	1	Sany SCC8150	165	14,300
doziercrane.com	116	40	Kobelco CK-3300G-2	330	14,092
wagstaffcrane.com	72	8	Liebherr LTM 1750-9.1	900	13,935
mrcrane.com	59	23	Manitowoc 2250 w/Maxer	500	13,449
kelleyequipment.com	59	30	Demag AC500-2	600	12,800
circle8services.com	72	0	Grove GMK 6300	350	12,645

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RANK 2022	RANK 2021	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
43	▲ 50	Reliable Crane Service	USA	4	165	Regional	Darrell Shaw, CEO
44	▲ 57	CraneWorks/Rental Works	USA	3	180	Regional	Kenny Bishop, President
45	▼ 41	Digging and Rigging	USA	6	228	Regional	James Gregory, Sr., President
46	▼ 45	Vic's Crane & Heavy Haul	USA	5	250	Regional	Josh Horsch, Vice President
47	▲ 71	McRay Crane & Rigging	USA	1	56	Regional	Calvin Jones, Executive Director
47	▼ 44	Irving Equipment*	CANADA	7	150	National	David Irving, General Manager
48	▼ 42	Boss Crane & Rigging	USA	5	250	National	David Cowley, President
49	▼ 48	Ideal Crane Rental	USA	6	100	Regional	Robert Kalhagen, President
50	▼ 49	Allison Crane & Rigging	USA	5	165	National	Larry Allison Jr., President
51	▼ 43	CraneWorks	USA	9	175	Worldwide	Keith Ayers, CEO
52	▼ 51	Kirby-Smith Machinery	USA	12	600	National	Rickey Bailey, Vice President, Crane Division
53	▼ 52	Edwards Inc.	USA	6	625	Regional	Jamie Ezzell, Crane Division Manager
54	▲ 64	Budrovich Contracting	USA	4	100	Regional	Eric Struckhoff, Vice President
54	▼ 53	R.H. Marlin Inc. *	USA	1	75	Regional	Joe Fox, Vice President
55	▼ 54	Thackray Crane Rental	USA	5	135	Regional	Steve Stunder, CEO
56	▲ 59	Hill Crane Service	USA	3	125	Regional	Ronald Hill, CEO
57	▲ 62	J J Curran Crane	USA	2	33	Regional	Jeff Curran, President
58	▼ 56	Blue Hat Crane & Equipment Rental*	USA	4	110	National	Mike Palendat, Equipment Operations Director
58	▼ 55	G. A West/Legacy Equipment	USA	5	1,400	National	Gary A. West, President
59	▼ 58	Amherst Crane Rentals	CANADA	6	100	Regional	Chris Welstead, Vice President
59	▲ 60	Crane Service Company	USA	7	179	Regional	Brian Mazzella, Vice President
60	▲ 63	Alamo Crane Services	USA	2	75	Regional	Marvin Ohlenbusch, COO
61	▲ 65	Phoenix Crane Rental	USA	4	99	Regional	Karen Barton, President
62	▼ 61	Giuffre Bros. Cranes	USA	2	25	Worldwide	Todd Proctor, General Manager
63	NEW	Superior Rigging & Erecting Company	USA	2		National	Jason McFadden, COO
64	▲ 66	Sparks Industrial*	USA	1	15	National	Jaradda Sparks, President
64	▲ 67	Supor Crane & Rigging*	USA	4	175	National	
65	▲ 68	Connelly Crane Rental Corp.	USA	3	50	Regional	Michael Connelly, President
66	▲ 69	Wanzek Construction*	USA	8	45	National	Rob Lee, Executive Vice President
67	▲ 68	Padgett Inc.	USA	1	150	Regional	Aaron Pike, Crane Rental Manager
68	▲ 72	Landwehr Construction	USA	2	200	National	Nathan Landwehr, President
69	NEW	RKM Crane Services	CANADA	3	40	Regional	Matthew Blackwell, General Manager
70	► 70	Erickson's*	USA	3	60	Regional	Steve Erickson, President
71	▲ 73	Ozark Crane Service (Continental Crane & Equipment Services)	USA	4	35	Regional	Todd Eads, President
72	▲ 74	A Quick Pick Crane Service*	USA	1	35	Regional	Scott Schrade, President
73	▲ 77	Custom Service Crane	USA	5	60	Regional	Randy Huffman, Vice President
74	▲ 83	Omega Morgan	USA	6	475	National	Eric Zander, COO
75	► 75	I.B. Dickinson & Sons	USA	3	45	Regional	Donald Dickinson, President
76	► 76	Texas Crane*	USA	2	40	Regional	Tony Turner, President
76	NEW	Patriot Crane & Rigging	USA	3	145	Regional	Scott "Sham" Shamburg, President
77	NEW	General Steel Crane & Rigging	USA	4	44	Regional	Jeff Noland, President
78	▲ 79	Anglemyer Crane	USA	1	35	Regional	John Anglemyer, President
79	▲ 80	Taylor Crane & Rigging	USA	2	105	National	Jim C. Taylor, Jr., President



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WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
reliablecraneservice.com	99	10	Liebherr LR1600	660	12,160
craneworks.com	130	4	Liebherr LTM 1400-7.1	500	12,000
digrig.com	78	4	Liebherr LTM 1750-9.1	900	11,179.50
vicscrane.com	75	5	Demag CC2800 w/superlift wagon	660	10,673
mcraycrane.com	38	1	Liebherr LTM 1300-6.2	365	9,500
irvingequipment.com	56	15	Liebherr LR 1600/2	660	9,500
bosscrane.com	30	12	Liebherr LTM 1750-9.1	900	9,354
idealcranerental.com	79	13	Liebherr LTM-1450-8.1	550	9,112
allisoncrane.com	46	2	Terex AC 500/1	625	8,420
crane-works.com	329	4	Tadano Demag AC 220-5	245	8,111
kirby-smith.com	130	7	Manitowoc MLC 300	386	8,025
edwardsinc.com	81	2	Demag AC 500	600	7,821
budrovich.com	80	7	Grove GMK 7550	550	7,752
rhmarlin.com	75	15	Grove GMK 7550	550	7,752
thrackraycrane.com	95	5	Liebherr LTM 1400-7.1	500	7,527
hillcrane.com	57	1	Liebherr LTM 1400-7.1	500	6,850
jjcurran.com	63	1	Grove GMK 6400	450	6,693
bluehatcrane.com	46	14	Grove GMK 7550	550	6,320
gawest.com	31	21	Manitowoc 16000 w/Maxer	440	6,320
amherstgroup.ca	65	1	Liebherr LTM1400	500	6,011
craneserviceco.com	34	4	Liebherr LTM 1650-8.1	770	6,011
alamocrane.com	38	0	Liebherr LTM 1500-8.1	600	5,868
phoenixcrane.com	58	1	Grove GMK 5250L	300	5,625
giuffre.com	185	0	Liebherr LTM 1090/2	110	5,490
superiorrigging.com	42	10	Liebherr LTM 1300-6.2	350	5,205
sparksinc.com	33	7	Manitowoc 2250	300	5,000
jsupor.com	34	1	Liebherr LTM 1500	600	5,000
connellycrane.com	53	9	Liebherr LTM 1350-6.1	400	4,601
wanzek.com	17	8	Liebherr LTM 11200-9.1	1,500	4,380
padgett-inc.com	35	6	Grove GMK 6300L	350	4,004
landwehrconstruction.com	15	6	Demag AC 350-6	400	3,750
rkmcrane.com	23	1	Liebherr LTM 1400-7.1	500	3,684
ericksonsgcr.com	14	6	Manitowoc MLC 650	770	3,400
ozarkcrane.us	24	0	Demag AC500-2	600	3,399
aquickpickcrane.com	29	3	Liebherr 1350 6.1	400	3,190
customservicecrane.com	36	0	Liebherr LTM 1450-8.1	550	3,180
omegamorgan.com	13	4	Grove GMK7550	550	3,070
ibddickinson.com	21	0	Liebherr LTM 1400-7.1	500	3,003
texascrane.com	20	1	Liebherr LTM 1250-6.1	300	2,780
patriotnation1.com	24	2	Liebherr 1450-8.1	550	2,780
gen-steel.com	28	0	Grove GMK 6400	450	2,726
anglemeyercrane.com	24	0	Grove GMK 6350	350	2,340
taylorcrane.com	22	2	Liebherr LTM 1220-5.2	265	2,014

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RANK 2022	RANK 2021	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
80	▲ 85	Iron Stag Crane Service	USA	1	26	Regional	Ned Eisenhart, President
81	NEW	Rosco Crane & Rigging	USA	1	50	Regional	Ross Kovach, Vice President
82	NEW	D-crane Rental	USA	2	30	Regional	Rob Domaschko, Owner
83	▲ 86	Greiner Industries	USA	2	290	Regional	Frank Greiner, President
84	▼ 82	CR Holland Crane Service	USA	1	10	Regional	Chris Holland, President
85	▲ 87	Industrial Truck & Crane	USA	1	14	Regional	Soni Graff, President
86	▼ 78	JK Crane	USA	1	12	Regional	Jennifer Gabel, Owner
87	NEW	Diamond Steel Construction	USA	1	60	Regional	David Collins
88	▼ 81	AME Inc.	USA	4	125	Worldwide	Jeff Campbell, President
89	▼ 47	Southwest Industrial Rigging	USA	4	150	National	Harry Baker, President
90	► 90	JCrane Inc.	USA	2	32	Regional	Jack Stull, President
91	▼ 89	Mansfield Crane Service	USA	2	25	Regional	Trapper Wyman, Owner
92	▼ 91	PSC Crane & Rigging	USA	3	175	National	Randy Sever, Executive Vice President
93	NEW	Burkes Crane Rental	USA	5	70	Regional	James Carpenter, Project Manager, Crane Rental
94	▼ 92	Modern Construction	USA	1	20	Regional	Dwayne Scaff, President
95	▼ 93	Waggoner Equipment Rental	USA	1	31	Regional	Alana Yount, Owner
96	▲ 97	NexGen Crane & Rigging	USA	2	10	Regional	Brent Thompson, Finance Manager
97	▼ 95	Runnion Equipment Company	USA	2	40	Worldwide	Patrick Runnion, CEO
98	► 98	Kinser Crane Service	USA	1	7	Regional	Bryan Kinser, President
99	► 99	Desrochers Crane Service	USA	1	5	Regional	Robert Desrochers, Director
100	► 100	Advanced Rigging & Moving	USA	1	30	Regional	Matthew Hinty, President

89,917 tons for a total index of 2,868,110. In 2020, the **ACT100** gained 159,537 tons of capacity for a total index of 2,778,193.

This year the number of branches increased to 784, up 24 from 760 last year. Last year employee counts fell, but this year saw gains to the highest employee count ever recorded by the **ACT100**. In 2022, the **ACT100** employs 41,032 people. In 2021, the **ACT100** employed 36,987 workers. Employee counts of the **ACT100** have ebbed and flowed over the past five years.

In 2021, our index reported 3,288 crawler cranes. This year our index showed 3,129 crawler cranes.

This year there were 15,557 mobile cranes reported on our list as compared to 16,351 mobile cranes in 2021.

Mergers and acquisitions continue to impact the **ACT100**, although the activity wasn't as extreme as past years.

The top 25 stayed pretty much the same, with a few flip-flops here and there. The largest new company to enter

the **ACT100** is Allegiance Crane & Equipment, with an **ACT** index of 26,599 tons and a ranking of number 23.

The largest crawler crane fleet in North America goes to Lampson International this year with 393 crawler cranes. Maxim Crane Works reported 389 crawlers in their fleet, down from 515 last year. Maxim still has the largest mobile crane

fleet with 1,750 units, down from 2,850 mobile crane units in 2021.

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

Top 10 largest mobile fleets

RANK 2022	COMPANY NAME	WEBSITE	MOBILE FLEET	ACT INDEX
1	Maxim Crane Works	maximcrane.com	1,750	261,743
2	ALL Family of Companies	allcrane.com	1,659	160,239
3	Marmon Crane Services Inc.	marmoncranes.com	1,046	129,087
4	Bigge Crane and Rigging Company	bigge.com	1,011	248,706
5	TNT Crane & Rigging	tntcrane.com	598	91,446
6	Mammoet Americas	mammoet.com	530	99,689
7	Barnhart Crane & Rigging	barnhartcrane.com	505	87,905
8	Scott-Macon Equipment	smequipment.com	478	27,875
9	Guay Inc.	gruesguay.com	445	39,655
10	Bragg Crane Service	braggcompanies.com	375	49,844

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WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
ironstagcrane.com	12	0	Liebherr LTM 1450-8.1	550	1,955
rosscoccrane.com	12	0	Tadano ATF-220G-5	250	1,930
d-cranerental.com	21	0	Grove GMK 6300L-1	350	1,865
greinerindustries.com	13	0	Demag AC 500-8	600	1,820
crhollandcrane.com	14	1	Liebherr LTM 1400-7.1	500	1,763
itccrane.com	19	0	Grove GMK 6300	350	1,699
jkcrane.com	15	2	Demag AC300-2	350	1,671
diamondsteel.com	34	0	Grove GMK 275	275	1,666
ameonline.com	19	0	Grove GMK 5250-L	300	1,565
swirusa.com	50	5	Grove GMK 7550	550	1,560
jcrane.com	12	0	Liebherr LTM 1300-6.2	360	1,508
mansfieldcrane.com	9	0	Grove GMK 6300L-1	350	1,500
pscind.com	15	0	Liebherr LTM1250-5.1	300	1,385
burkescranerental.com	26	0	Grove GMK 5250L	300	1,330
moderncraneinc.com	12	1	Grove GMK 5275	275	1,288
waggonerequipment.com	25	0	Link Belt RTC 80160	160	1,161
nexgencrane.com	9	0	Tadano ATF 200G-5	220	651
runnionequipment.com	29	0	National Crane 14127A	33	553
kinsercrane.com	9	0	Grove GMK 5150	175	515
desrochersinc.com	5	0	Link-Belt HTC86100	100	264
advanced-rigging.com	9	0	Grove 1012	18	137

Our methodology

For this list we sent surveys to close to 500 companies in the U.S., Canada and Mexico. While the **ACT100** is much more comprehensive than it was when we started it in 2005,

we realize there are probably 10 to 15 major crane-owning companies not represented. Some companies do not want to share information about their current fleets, and we respect their decision.

This year, we were 100 percent with 105 companies submitting forms. Due to ties, there are a few companies on the list with an asterisks and their data are shown as estimates. For these entries, we did not get updated information and instead relied on an estimate formula based on data obtained last year and through other sources. All these companies on the list were contacted, some several times, and given the opportunity to supply fleet information and related data.

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

Because the vast majority of crane-owning companies are privately held, it can be difficult to obtain and verify figures, although we do approach independent industry sources for assistance and use related web resources and research when we use an estimate.

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Top 10 largest cranes

RANK 2022	COMPANY NAME	LARGEST CRANE	CAPACITY
1	Mammoet Americas	Mammoet PTC 200	5,000
2	Buckner HeavyLift Cranes	Liebherr LR 13000	3,307
3	Sarens USA	Demag CC8800	3,200
=4	Lampson International	Lampson Transi-Lift LTL-3000	3,000
=4	Deep South Crane & Rigging	VersaCrane TC 36000/2	3,000
5	Maxim Crane Works	Manitowoc 31000	2,535
6	Fagioli Inc. (USA)	Liebherr LR 11350 P-Boom	2,000
=7	Guay Inc.	Liebherr LTM 11200-9.1	1,500
=7	Wanzek Construction	Liebherr LTM 11200-9.1	1,500
8	Barnhart Crane & Rigging	Demag CC8800	1,375
9	NCSG Crane and Heavy Haul	Liebherr LTM 11200-9.1	1,350
10	Superior Cranes Inc.	Demag CC6800-1	1,325

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Top20 largest fleet size

RANK 2022	ACT 100	COMPANY NAME	HQ	ACT INDEX	TOTAL FLEET
1	1	Maxim Crane Works	USA	261,743	2,139
2	3	ALL Family of Companies	USA	160,239	1,966
3	2	Bigge Crane and Rigging Company	USA	248,706	1,357
4	5	Marmon Crane Services Inc.	USA	129,087	1,143
5	7	Mammoet Americas	USA	99,689	666
6	8	TNT Crane & Rigging	USA	91,446	660
7	9	Barnhart Crane & Rigging	USA	87,905	557
8	22	Scott-Macon Equipment	USA	27,875	524
9	16	Guay Inc.	CANADA	39,655	463
10	6	Lampson International	USA	128,768	458
11	13	Bragg Crane Service	USA	49,844	424
12	12	W.O. Grubb Crane Rental	USA	59,794	365
13	51	CraneWorks Inc.	USA	8,111	333
14	36	Custom Truck One Source	USA	14,300	316
15	11	Deep South Crane & Rigging	USA	60,652	308
16	10	Beyel Brothers	USA	70,315	296
17	24	Marco Crane & Rigging	USA	25,679.50	242
18	23	Allegiance Crane & Equipment	USA	26,599	238
19	17	ML Crane Group	USA	36,176	230
=20	27	Stevenson Crane Service	USA	23,850	219
=20	29	Imperial Crane Services*	USA	18,143	219

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 ensure the accuracy of the information provided but take no responsibility for errors or omissions.

ACT Top Lists

American Cranes & Transport presents four top lists each year. Our June issue features the largest list, the **ACT100** list of North America's largest crane-owning companies. In the August issue is the **ACTTOWERCRANE50**; in the December issue is the **ACTTRANSPORT50** and in the March issue is the **ACTSPECIALIZED LIFTING50**. If you would like to participate in any or all these lists please email D. Ann Shiffler, editor, at d.ann.shiffler@khl.com or Hannah Sundermeyer, deputy editor, at hannah.sundermeyer@khl.com.

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.

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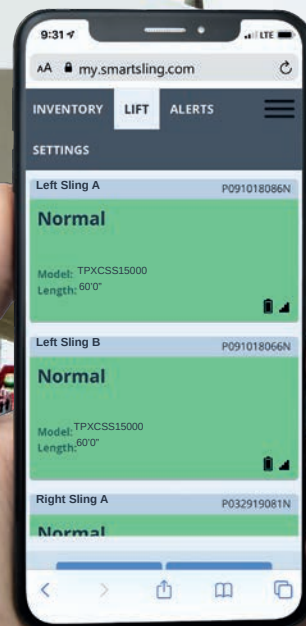


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The 2022 top list **ACTTRANSPORT50** has shown two straight years of modest growth after a retraction in 2020 due to the Covid-19 pandemic. While growth is slight, the Transport 50 appears ^{>60}

TOP 10 ACTTRANSPORT50 BY TOTAL CAPACITY OF FLEET

	2021 RANK	COMPANY NAME	TOTAL CAPACITY US TONS
1	2	Daseke Inc.	87,469
2	12	Mammoet North America	83,263
3	5	All Erection & Crane Rental	80,925
4	1	Landstar Transportation Logistics	75,905
5	7	Barnhart Crane & Rigging	69,031
6	3	ATS Specialized	61,720
7	6	Bennett Motor Express	49,955
8	11	Sterett Heavy Hauling	46,730
9	4	Maxim Crane Works	45,630
10	15	Emmert International	39,822

* ACT estimate

	2020	2021	2022
TOTAL FLEET SIZE	53,000	53,471	55,188
TOTAL CAPACITY	1,219,119	1,244,376	1,171,307
NUMBER OF TRUCK/TRACTORS	23,247	23,963	24,685
NUMBER OF EMPLOYEES	28,831	29,864	29,938
NUMBER OF TERMINALS	1,346	2,312	2,238
NUMBER OF MODULAR/ HYDRAULIC PLATFORM TRAILERS/ DOLLIES IN FLEET	8,380	8,141	8,591
CAPACITY OF MODULAR/ HYDRAULIC PLATFORM TRAILERS/ DOLLIES IN FLEET	424,612 tons	428,712 tons	429,301 tons
NUMBER OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI- AXLE UNITS) IN FLEET	22,393	22,564	22,991
TOTAL CAPACITY OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI- AXLE UNITS) IN FLEET	778,317 tons	817,018 tons	759,555 tons

BY THE NUMBERS

2022 RANK	2021 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	1	Landstar Transportation Logistics	Jacksonville, FL	1,400	International	1,150	Rusty Cody, vice president, heavy specialized
2	2	Daseke Inc.	Addison, TX	109	International	4,608	Chris Easter, Interim CEO/COO
3	3	ATS Specialized	St. Cloud, MN	12	International	1,373	Lyle Jankee, vice president, general manager
4	4	Maxim Crane Works	Wilder, KY	61	National	3,118	Paul McDonald, CEO
5	5	All Erection & Crane Rental	Independence, OH	33	International	1,600	Michael L. Liptak, president
6	6	Bennett Motor Express	McDonough, GA	170	International	300	David Lowry, CEO
7	7	Barnhart Crane & Rigging	Memphis, TN	55	International	1,600	Alan Barnhart, CEO
8	8	Combined Transport Inc.	Central Point, OR	1	International	627	Michael S. Card, president
9	11	Bay Ltd.	Corpus Christi, TX	6	International	3,500	Berry Peterson, vice president
10	9	Deep South Crane & Rigging	Baton Rouge, LA	7	International	700	Mitch Landry, president
11	12	Sterett Heavy Hauling	Owensboro, KY	17	National	78	Matt Crisp, general manager
12	10	Mammoet North America	Rosharon, TX	21	International	1,500	Martijn Kuipers, managing director
13	13	ML Crane Group	Albuquerque, NM	10	National	510	Caroline Asimakopoulos, president
14	14	Transport Bellemare International	Tross-Rivieres, Quebec City, Canada	7	International	680	Jean-Luc Bellemare, president
15	15	Emmert International	Clackamas, OR	3	International	92	Terry W. Emmert, president
16	17	Fagioli USA	Manvel, TX	4	International	109	Edoardo Ascione, president
17	16	Daily Express	Carlisle, PA	6	International		Matt Rea, vice president, operations
18	18	Tradelossa	Durango, DGO, Mexico	8	International	269	
19	20	Bragg Heavy Transport	Long Beach, CA	15	National	250	Eric Peterson, general manager
20	21	Bigge Crane & Rigging	San Leandro, CA	23	National	1,100	Weston Settlemier, president/CEO
21	19	Edwards Moving & Rigging	Shelbyville, KY	6	International	105	Jason Edwards, CEO
22	32	NCSG Crane & Heavy Haul	Acheson, Alberta, Canada	10	International	400	Heather MacCallum, president
23	22	Northwest Logistics	Oklahoma City, OK	9	International	244	Andy Hodges, president
24	23	DD&S Express	Annapolis, MD	60	National	20	Rick Seleski, vice president
=25	NEW	W.O. Grubb Crane Rental	North Chesterfield, VA	14	National	409	Kenneth Holmes, general manager
=25	24	Supor Heavy Haul*	Kearny, NJ	5	International	203	Doug Filos, director, heavy haul
26	25	Lampson International	Kennewick, WA	8	International	300	William Lampson, president/CEO
27	NEW	Collett & Sons USA	Halifax, UK	4	International	150	David Collett, managing director
28	26	NessCampbell Crane + Rigging	Portland, OR	6	National	300	Mike McDonald, vice president
=29	28	Totran Transportation Services	Calgary, Alberta Canada	2	International	130	Scott Trousdale, vice president
=29	27	Mountain Crane Service	Salt Lake City, UT	1	National	63	Paul Belcher, CEO
30	30	Berard Transportation	New Iberia, LA	5	National	75	Brett Berard, vice president, operations
31	27	Miller Transfer	Rootstown, OH	18	International	71	Mitchell J. Unger, president
32	40	Boss Crane & Rigging	Longview, TX	5	National	228	Richard Miller, president
33	NEW	Oxbo Inc.	Rosharon, TX	2	International	48	Keith Settle, CEO
34	NEW	Bricker Transport	Laredo, TX	4	International	60	Brick Jones, CEO
=35	31	Southwest Industrial Rigging	Phoenix, AZ	5	International	110	Harry Baker, president

* ACT Estimate

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WEBSITE	CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET	# OF TRUCK/ TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
www.landstar.com	1,810	26	74,095	2,850	11,864	75,905	14,740
daseke.com	7,352	194	80,096	3,787	4,868	87,469	8,849
www.atsinc.com	1,785	21	59,935	1,886	959	61,720	2,866
maximcrane.com	4,976	136	45,630	1,886	654	50,606	2,676
www.allcrane.com	1,050	15	79,875	2,146	445	80,925	2,606
www.bennettig.com	3,450	137	46,505	1,062	1,283	49,955	2,345
www.barnhartcrane.com	26,781	136	42,250	785	373	69,031	1,282
www.combinedtransport.com	1,305	385	5,150	281	562	6,455	1,228
www.bayltd.com	23,032	505	8,303	268	206	31,334	979
www.deepsouthcrane.com	15,508	372	19,740	496	70	35,248	938
sterettheavyhauling.com	28,410	372	18,320	433	103	46,730	886
www.mammoet.com	72,987	479	10,276	320	42	83,263	841
www.mlcranegroup.com	1,126	78	12,767	541	195	13,893	814
www.groupebellemare.com	8,094	236	16,516	349	220	24,610	805
www.emmertintl.com	29,522	587	10,300	121	91	39,822	799
www.fagioli.com	30,724	664				30,724	664
www.dailyexp.com		12		395	250		657
www.tradelossa.com	11,530	258	8,716	182	158	20,246	598
www.braggcompanies.com	9,220	176	14,900	294	125	24,120	595
www.bigge.com	4,110	105	16,502	353	122	20,612	580
www.edwardsmoving.com	18,228	329	9,664	179	60	27,892	568
www.ncsg.com	16,185	383	4,550	94	63	20,735	540
www.northwestcompanies.com	2,472	65	11,046	274	179	13,518	518
ddsexpress.com	1,810	34	11,539	269	191	13,349	494
www.wogrub.com	5,247	105	14,986	338	110	20,233	467
www.jsupor.com	11,194	248	7,908	149	70	19,102	467
www.lampsoncrane.com	14,006	372	2,032	64	30	16,038	466
www.collett.co.uk	7,045	215	7,253	157	70	14,298	442
www.nesscampbell.com	940	32	11,316	365	83	12,256	438
www.totran.ca	12,346	590	9,660	222	85	22,006	367
www.mountaincrane.com	7526	110	4922	200	57	7,531	367
www.berardtrans.com	11,624	244	2,236	49	41	13,668	334
www.millertransfer.com			13,090	235	97	13,090	332
www.bosscrane.com		74		167	80		321
www.oxbowinc.com	10,220	240	1,605	31	38	11,825	309
www.Brickertransport.com		135		130	40		305
www.swirusa1.com	3,275	86	6,372	156	90	9,647	265

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LEADING THE INDUSTRY IN INNOVATION.



2022 RANK	2021 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
=35	34	J. F. Lomma Inc.	South Kearny, NJ	5	Regional	170	Frank Signorelli, COO
36	33	Vic's Crane & Heavy Haul	Rosemount, MN	5	Regional	265	Josh Horsch, vice president
37	34	MSA Delivery Services	Canton, MI	3	International	65	Jerry Rozum, president
38	35	Omega Morgan	Hillsboro, OR	5	International	525	Erik Zander, COO
39	36	Trans-United	Burns Harbor, IN	7	International	80	Jeffrey S. Fleming, president/CEO
40	37	Triton Transport	Chilliwack, BC, Canada	3	International	82	Jared Bragg, vice president/ general manager
41	39	Intermountain Rigging	Salt Lake City, UT	2	National	90	Ron Montgomery, president
=42	40	Precision Heavy Haul	Tolleson, AZ	2	National	24	Mike Poppe, president
=42	41	Yarbrough Transfer Company	Winston-Salem, NC	3	Regional	70	David Yarbrough, president
43	NEW	Turner Industries Group	Baton Rouge, LA	5	National	294	C. Jared Benoit, project engineer
44	43	Buckingham Heavy Transport	Bernville, PA	3	Regional	45	Mike Brovont, sales and project manager
45	NEW	Borsheim Crane Service	Fargo, ND	3	Regional	98	Tyler Goodman Jr., president
46	47	Marco Transport	Santa Ana, CA	2	Regional	39	Tim McVay, president
47	46	Taylor Crane & Rigging	Coffeyville, KS	2	National	105	Jim C. Taylor, president
48	48	Advanced Freight Dynamics	Conroe, TX	2	National	28	Steven Lyons, CEO
=49	49	Perkins STC	Becker, MN	2	International	9	Barb Potter, owner
=49	49	Irving Equipment Ltd.	Saint John, NB, Canada	6	International	100	David Irving, general manager
=49	NEW	Highway Heavy Hauling	Portland, OR	2	National	22	Kristine Kennedy, president
50	50	TNT Crane & Rigging	Houston, TX	44	National	1,750	Mike Appling Jr., CEO

to be strong and poised to meet economic obstacles that may lie ahead.

There are two big things to point out in the 2022 **ACTTRANSPORT50**. Number 1 is that there are seven new companies on the list. Number 2 is that the **ACTTRANSPORT50** index saw gains in every category except for number of terminals and

“ Merger and acquisition activity was slower this year. We didn't see any companies fall off the list due to being acquired by another company. ”

total capacity of specialized trailers. In terms of total capacity, a couple of the new companies didn't reveal their total capacity (in U.S. tons), which made that index a bit smaller than it really is. But it still surpassed 2021 numbers. In terms of number of employees, the **ACTTRANSPORT50** saw a gain of 74 employees.

Looking back

Looking back, in 2020, every index of the **ACTTRANSPORT50** was down from 2019 and 2018. In 2019, the **ACTTRANSPORT50** saw a small growth in total capacity from 1,245,246 U.S. tons in 2018 to 1,272,474 US tons in 2019. The 2019 **ACTTRANSPORT50** saw declines in several categories including number of employees, number of terminals and number of Modular/Hydraulic Platform Trailers/Dollies.

In 2020, the total capacity of the **ACTTRANSPORT50** was 1,219,119 tons, down almost 55,000 tons. In 2020, fleet size was 53,000 units, down 64 units from 2019. But 2021 and 2022 saw gains. In 2021, the total capacity of the Transport 50 was 1,244,376 U.S. tons. The fleet size of the **ACTTRANSPORT50** last year was 53,471.

Other points to make about the 2022 **ACTTRANSPORT50** is that merger and acquisition activity was slower this year. We didn't see any companies fall off the list due to being acquired by another company.

Five ties

Due to ties in fleet size, 56 companies are represented on the 2022 **ACTTRANSPORT50** list.

Some seven companies didn't report from last year to this year. Their place



DEDICATED TO THE DESIGN AND FABRICATION OF

- **BOOM DOLLIES**
- **BOOM LAUNCH TRAILERS**
- **HEAVY HAUL TRAILERS**
- **SPECIALIZED TRAILERS**

WEBSITE	MODULAR/ HYDRAULIC TRAILERS /DOLLIES		SPECIALIZED TRAILERS (ALL MULTI-AXLE)		# OF TRUCK/ TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
	CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
www.jflomma.com		10		200	55		265
www.vicscrane.com	3,414	87	3,310	111	52	6,724	250
www.msadelivery.com			5,240	187	30	5,240	217
www.omegamorgan.com	2,480	56	4,615	82	72	7,095	210
www.transunited.com	1,980	5	9,180	111	88	11,165	204
tritontransport.com	590	7	5,855	142	46	6,445	195
www.intermountainrigging.com	1,425	37	4,100	58	46	5,525	141
www.precisionheavyhaul.com	580	20	5,725	103	16	6,305	138
www.yarbroughtransfer.com			3,581	87	51	3,581	138
www.turner-industries.com	2,594	59	3,675	85	60	6,269	126
www.buckinghamtransport.com	3,963	96	4,090	33	18	8,053	118
www.borsheimcrane.com			3,400	111	2	3,400	116
www.marcotrucking.com			3,505	31	50	3,505	81
www.taylorcrane.com	2,675	21	2,020	43	28	4,695	79
www.afd-web.com	430	5	1,555	27	15	1,985	47
perkinsstc.com			3,522	22	17	3,522	37
www.irvingequipment.com	2,676	10	638	14	13	3,314	37
www.hwyhh.com		2		30	21		37
www.tntcrane.com	1,604	11				1,604	11

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was taken by the newcomers, including Highway Heavy Hauling, Borsheim Crane Service, Turner Industries Group, Bricker Transport, Oxbo Inc., Collett & Sons USA, and W.O. Grubb Crane Rental, which is the highest ranked newcomer at Number 25.

The top five on our **ACTTRANSPORT50** stayed the same with Landstar, Daseke, ATS Specialized, Maxim Crane Works and ALL Erection rounding out the top five. In fact, the top eight companies on the list are the same as last year. Bay Ltd. moved up two spots to Number 9, entering the top 10 for the first time.

The biggest gainer on the **ACTTRANSPORT50** was NCSG Crane & Heavy Haul which jumped to 22 from 32. Boss Crane & Rigging also jumped from 40 to 32.

As for our **ACTTRANSPORT50** ranking,

Landstar Transportation Logistics kept its long-time Number 1 spot with a fleet size of 14,740, slightly down from a fleet size of 14,844 in 2021. Landstar is no longer the Number 1 company in terms of capacity. In fact, the company's capacity decreased some 25,000 U.S. tons this year. Daseke is the Number 1 company in terms of fleet capacity at 87,469.

Our methodology

While most of the major players in the North American transportation sector are on the **ACTTRANSPORT50** list, there are changes from year to year based on participation. The **ACTTRANSPORT50** is ranked by fleet size and then by total maximum transport capacity of all relevant trailers and transport systems in a company's fleet (in U.S. tons). The ranking is based on information supplied 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 more than 350 firms by email, telephone, social media and E-casts. In some cases, when data wasn't available or updated, we marked them as estimates.

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.

To participate in the 2023 **ACTTRANSPORT50** please reach out to D. Ann Shiffler or Hannah Sundermeyer at D. Ann Shiffler@khl.com or Hannah.Sundermeyer@khl.com. ■



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SPECIALIZED LIFTING50

The 2022

SPECIALIZED LIFTING50

reveals fleet and employee growth.

Hannah Sundermeyer reports.



Trending up!

15,047

Approximate number of people employed by the companies represented in the **SPECIALIZED LIFTING50**.

582

Gantries and rubber tired gantries. (compared to 533 in 2021)

1,623

Strand jack units owned by the **SPECIALIZED LIFTING50**. (compared to 1,376 in 2021)

5,432

Pieces of other specialized lifting equipment. (not classified as a gantry or strand jack) (compared to 5,815 in 2021)

1,552,909

Total capacity of every unit owned by every company on the list. (compared to 1,492,564 tons in 2021)

Across the board, the construction industry is seeing supply chain shortages. This is resulting in longer wait times for equipment, increased backlogs and project delays. However, despite these issues, the specialized lifting sector is growing, boasting its highest total capacity to date on the **ACT SPECIALIZED LIFTING50**. There is also a notable increase in employees. More specifically, there has been an impressive increase of 1,659 employees in comparison to 2021. In addition, the **SPECIALIZED LIFTING50** posted an index of 1,552,909 tons, increasing 60,345 tons over the 2021 index of 1,492,564.

These numbers are reassuring to the rigging industry overall, as company growth is on the up-and-up.

In 2022 we are seeing a slight increase in gantries and strand jack units, and a slight decline in other specialized lifting equipment. While many companies are continuing to streamline their fleets, machinery demand is rising slowly but steadily.

Some 578 gantries and rubber tired gantries are owned by the participating companies in the 2022 **SPECIALIZED LIFTING50** list. Some 1,623 strand jack units were recorded this year, as compared to 1,376 in 2021. Some 5,432 pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these companies as compared to 5,815 in 2021.

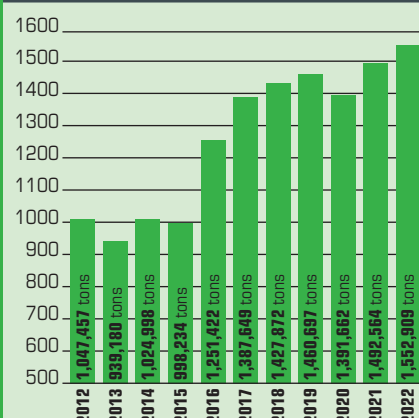
With a huge infrastructure bill passed by the U.S. Congress and the waning of the Covid-19 pandemic, many companies are

>66

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	FAGIOLI USA	Fagioli Self-Propelled Skid System	70,000	288,000
2	DEEP SOUTH	Deep South Specialized Jack System	16,000	50,900
3	BAY LTD.	Dorman Long Strand Synchronized Lift	15,400	47,250
4	BUCKINGHAM HEAVY TRANSPORT	Unified Hydraulic Jack Machine	13,200	27,900
5	OMEGA MORGAN	Heavy Slide System	6,000	8,500
6	BARNHART CRANE & RIGGING	Barnhart Modular Lift Tower	6,000	302,804
7	MAMMOET NORTH AMERICA	Mammoet Lift System	5,732	372,800
8	BERARD TRANSPORTATION	Enerpac Syncrolift	4,000	13,000
9	EMMERT INTERNATIONAL	Emmert Lift System	3,250	80,850
10	LAMPSON INTERNATIONAL	E-Z Lift	2,400	13,500

TOTAL CAPACITIES BETWEEN 2012 AND 2022



2022	2021	NAME OF COMPANY	LOCATION	# OF DEPOTS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	► 1	MAMMOET AMERICAS	USA	29	Worldwide	2,500	Martijn Kuipers, managing director
2	► 2	BARNHART CRANE & RIGGING	USA	55	National	1,500	Alan Barnhart, CEO
3	► 3	FAGIOLI, INC.	USA	4	Worldwide	124	Edoardo Ascione, president & CEO
4	► 4	EMMERT INTERNATIONAL	USA	3	Worldwide	100	Terry Emmert, President
5	► 5	EDWARDS MOVING & RIGGING	USA	9	Worldwide	135	Jason Edwards, CEO
6	▲ 7	DEEP SOUTH CRANE & RIGGING	USA	8	Worldwide	750	Mitch Landry, president
7	▼ 6	BAY LTD.	USA	3	Worldwide		Berry Peterson, vice president
8	NEW	OXBO MEGA TRANSPORT SOLUTIONS	USA	2	Worldwide	45	Keith Settle, chief executive officer
9	NEW	SARENS	USA	12	Worldwide	300+	Lee Rowe, regional director
10	▲ 19	ENGINEERED RIGGING	USA	5	Worldwide	20	Christopher Cox, P.E.
11	▼ 8	BUCKINGHAM HEAVY TRANSPORT (A DIVISION OF WOLFE HOUSE MOVERS)	USA	5	National	45	Mike Brovont, senior sales manager
12	▼ 10	DORAL EQUIPMENT	USA	1	National	25	Rob Keelan, vice president
13	▼ 9	BELLEMARE TRANSPORT, ENGINEERING & LOGISTICS	CANADA	6	Worldwide	40	Jean-Luc Bellemare, president
14	▼ 11	LAMPSON INTERNATIONAL	USA	7	Worldwide	300	Kate Lampson, director of strategic communication
15	▼ 13	BERARD TRANSPORTATION	USA	4	National	70	Brett Berard, vice president of operations
16	▼ 12	RIGGING GEAR SALES, INC.	USA	1	Worldwide	15	Ben Forster, vice president
17	▼ 14	TAYLOR CRANE & RIGGING	USA	2	National	101	Jim C. Taylor, Jr., founder
18	▼ 17	IRM INDUSTRY MOVERS	MEXICO	2	Worldwide	97	David González Chávez, CEO and president
19	▼ 15	GLOBAL RIGGING & TRANSPORT*	USA	1	Worldwide	30	Tommy Felch, general manager
20	▲ 21	RIGGERS GROUP	MEXICO	3	Worldwide	60	Hector R. Tores, DaVila, vice president
21	▼ 18	INTERNATIONAL INDUSTRIAL CONTRACTING CORPORATION	USA	4	Worldwide	300	Ken Goddard, vice president, Mexican operations
22	▼ 20	OMEGA MORGAN	USA	6	Worldwide	350	Erik Zander, COO
23	▼ 22	PSC CRANE & RIGGING	USA	3	National	175	Randy Sever, executive vice president
24	▼ 23	TNT CRANE & RIGGING	USA	43	National	1,530	Mike Appling Jr., CEO
25	▼ 24	NORRIS BROTHERS CO.	USA	1	Regional	65	M. Courtney Norris, PE
26	► 26	ADVANCED RIGGING & MACHINERY MOVERS	USA	1	Regional	30	Matthew Hinty, president
27	▼ 16	ERICKSON'S	USA	3	National	60	Steve Erickson, president
28	▼ 27	DUFFY CRANE & HAULING*	USA	0	National	120	Jeffrey L. Cummings, president
29	▼ 25	MAXIM CRANE WORKS	USA	61	National	3,700	Carmine E. Puglisi, operations manager
30	NEW	MEI RIGGING & CRATING	USA	13	National	800	Dan Cappello, CEO
31	▼ 28	MID-ATLANTIC LIFT SYSTEMS	USA	1	Worldwide	3	Travis Hall, president
32	▲ 37	ML CRANE GROUP	USA	14	National	700	Caroline Asimakopoulos, president
33	▼ 29	PRO-LIFT RIGGING	USA	10	National	223	Matthew Brennan, president
34	▼ 30	WILLIAMS STEEL ERECTION COMPANY	USA	1	Regional	100	Mike Parker, operations manager/rigging
35	▼ 31	PROCESS GROUP INC.*	CANADA	3	Canada	275	Bryan Snyder, vice president construction
36	▼ 33	INTERMOUNTAIN RIGGING & HEAVY HAUL	USA	2	National	95	Ron Montgomery, president
37	▼ 32	CSE INC. *	USA	5	National	225	Chris Stinnette, executive vice president
38	▼ 34	CR HOLLAND CRANE SERVICE	USA	1	Regional	11	Chris Holland, president
39	▼ 35	SOUTHWEST INDUSTRIAL RIGGING*	USA	4	National	170	Harry Baker, president
40	▼ 36	AME INC.*	USA	4	Worldwide	158	Scott Walker, director of preconstruction

* estimated



WEBSITE	# OF RUBBER TIRED GANTRIES	# OF GANTRIES	# OF OTHER SPECIALIZED LIFTING UNITS	# OF OTHER STRAND JACK UNITS	MAKE/MODEL OF LARGEST SPECIALIZED LIFTING UNIT	CAPACITY OF LARGEST SPECIALIZED LIFTING UNIT (U.S. TONS)	SPECIALIZED LIFTING INDEX (U.S. TONS)
www.mammoet.com	0	20	305	550	Mega Jacks	5,732	372,800
www.barnhartcrane.com	0	91	806	37	Barnhart Modular Lift Tower	6,000	302,804
www.fagioli.com	0	20	146	596	Fagioli Self-Propelled Skid System	70,000	288,000
www.emmertintl.com	0	16	1,055	4	Emmert Lift System	3,250	82,350
www.edwardsmoving.com	0	12	584	4	Hydrospeex Strand Jack System	880	68,557
www.deepsouthcrane.com	1	8	107	13	Deep South Specialized Jack System	16,000	50,900
www.bayltd.com	0	2	3	14	Dorman Long Strand Synchronized Lift System	15,400	47,250
www.oxboinc.com	1	3	29	18	Heavy Skid System	17,325	45,550
www.sarens.com	2	27	159	282	SGC 250	5,000	31,875
www.EngineeredRigging.com	0	6	33	11	Enerpac JackUp JS-500/2000	2,200	28,700
www.buckinghamtransport.com	0	0	13	0	Unified Hydraulic Jack Machine	13,200	27,900
www.doralrental.com	0	3	64	0	Riggers EZ Lifter 604	600	22,585
www.groupebellemare.com	4	6	607	10	Hydra Slide HT500	1,000	20,000
www.lampsoncrane.com	0	4	8	0	E-Z Lift	2,400	13,500
www.berardtrans.com	0	4	8	0	Enerpac Syncrolift	4,000	13,000
www.rgsinc.net	0	106	212	0	Lift Systems HH1000	1,000	12,669
www.taylorcrane.com	0	10	210	0	Enerpac EVO Sync Lift System	2,400	11,103
www.irmindustrial.com	0	3	159	0	J&R Engineering /1001-4-34	500	10,130
www.globalrigging.com	0	0	15	16	CTTS	2,000	10,000
www.riggers.mx	0	4	98	49	J&R Engineering Lift N Lock Gantry L1200	600	9,800
www.iicusa.com	0	7	21	0	Riggers Manufacturing 600-33	690	9,660
www.omegamorgan.com	0	7	22	0	Heavy Slide System	6,000	8,500
www.pscind.com	0	4	168	0	Hydra-Slide JS250 Up N Go	1,000	8,020
www.tntcrane.com	0	6	75	0	Enerpac SBL 1100	1,100	7,200
www.norrisbr.com	0	3	8	0	Lift System	800	6,695
www.advanced-rigging.com	0	11	141	0	Hydraspec FS404/270	400	5,460
www.Ericksonsgroup.com	0	4	15	0	Enerpac SBL 1100	1,176	5,000
www.duffycrane.com	0	6	40	11		600	5,000
www.maximcrane.com	4	20	37	4	Wolf 1250B	700	4,100
www.meiriggingcrating.com	0	15	78	0	J&R Lift-n-Lock	500	3,448
www.midatlanticlift.com	0	44	0	0	Lift Systems 34PT5400WT	500	3,258
www.mlcranegroup.com	1	6	100	0	Enerpac SBL-500	500	2,486
www.proliftrigging.com	0	3	42	0	Lift Systems 44A Gantry	400	2,262
www.wmsi.com	27	31	8	0	Liebherr LR 1300	330	2,140
www.processgroup.ca	0	6	6	0	Lifting Tower	1,000	2,130
www.irhusa.com	0	12	25	4	J&R 900 Series	450	2,000
www.cseonline.net	0	1	6	0	J&R Engineering Lift & Lock Gantry	900	2,000
www.crhollandcrane.com	0	0	7	0	Liebherr LTM 1400	500	1,990
www.swirusa.com	0	4	7	0	Lift Systems 850	850	1,332
www.ameonline.com	0	3	5	0	Lift Systems 75 Ton Twin-Lift	75	755

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



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optimistic that there will be a big jump start in construction spending on roads, bridges, highway and other infrastructure projects.

First timers

The ACT team continually tries to cast a wide net when it comes to surveying North America's specialized lifting sector. This year, three new companies joined the our **SPECIALIZED LIFTING 50** ranking.

This includes OXBO Mega Transport Solutions, Sarens and MEI Rigging & Crating. Both OXBO and Sarens broke into the Top 10 ranking, a major first milestone for newcomers. Arkansas-based Engineered Rigging made a significant jump from 19th place in 2021 to ranking 10th this year. Engineered Rigging almost doubled the amount of specialized lifting units in its fleet. At this rate, what could 2023 possibly have in store? ■

TOP 10: NUMBER OF GANTRIES

RANK	NAME OF COMPANY	TOTAL NUMBER OF GANTRIES	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	RIGGING GEAR SALES	106	12,669
2	BARNHART CRANE & RIGGING	91	302,804
3	MID-ATLANTIC LIFT SYSTEMS	44	3,258
4	WILLIAMS STEEL ERECTION COMPANY	31	2,140
5	MAMMOET NORTH AMERICA	20	372,800
6	FAGIOLI USA	20	288,000
7	MAXIM CRANE WORKS	20	4,100
NEW	MEI RIGGING & CRATING	15	3,448
9	EDWARDS MOVING & RIGGING	12	68,557
10	INTERMOUNTAIN RIGGING & HEAVY HAUL	12	2,000

METHODOLOGY

ACT began distributing survey forms for the **SPECIALIZED LIFTING 50** list via email in January 2022 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 used their data from our 2021 list, along with other metrics. 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 any errors or omissions. We strive to improve this list, as well as our other annual lists, every year.

2023

To be a part of our 2023 **SPECIALIZED LIFTING 50**, email the editor, D. Ann Shiffer, to request a survey form. She can be reached at: d.ann.shiffer@khl.com.

Or you may email Hannah Sundermeyer at: hannah.sundermeyer@khl.com

AMERICAN CRANES & TRANSPORT

ACT

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SUPPLYING AND OFFERING SUPPORT SERVICES FOR TOWER CRANES WORLDWIDE

ACT's annual

ACTTOWERCRANE50

shows ranking fluctuations and streamlined fleets following a year of mergers and acquisitions.

The market for tower cranes in North America is stable and poised for growth. While there may have been a hiccup in demand over the past couple of years, tower cranes are still the crane of choice for urban high-rise projects. And the good news is that tower crane usage has picked up considerably on infrastructure projects, industrial jobs and large-scale mixed-use projects and

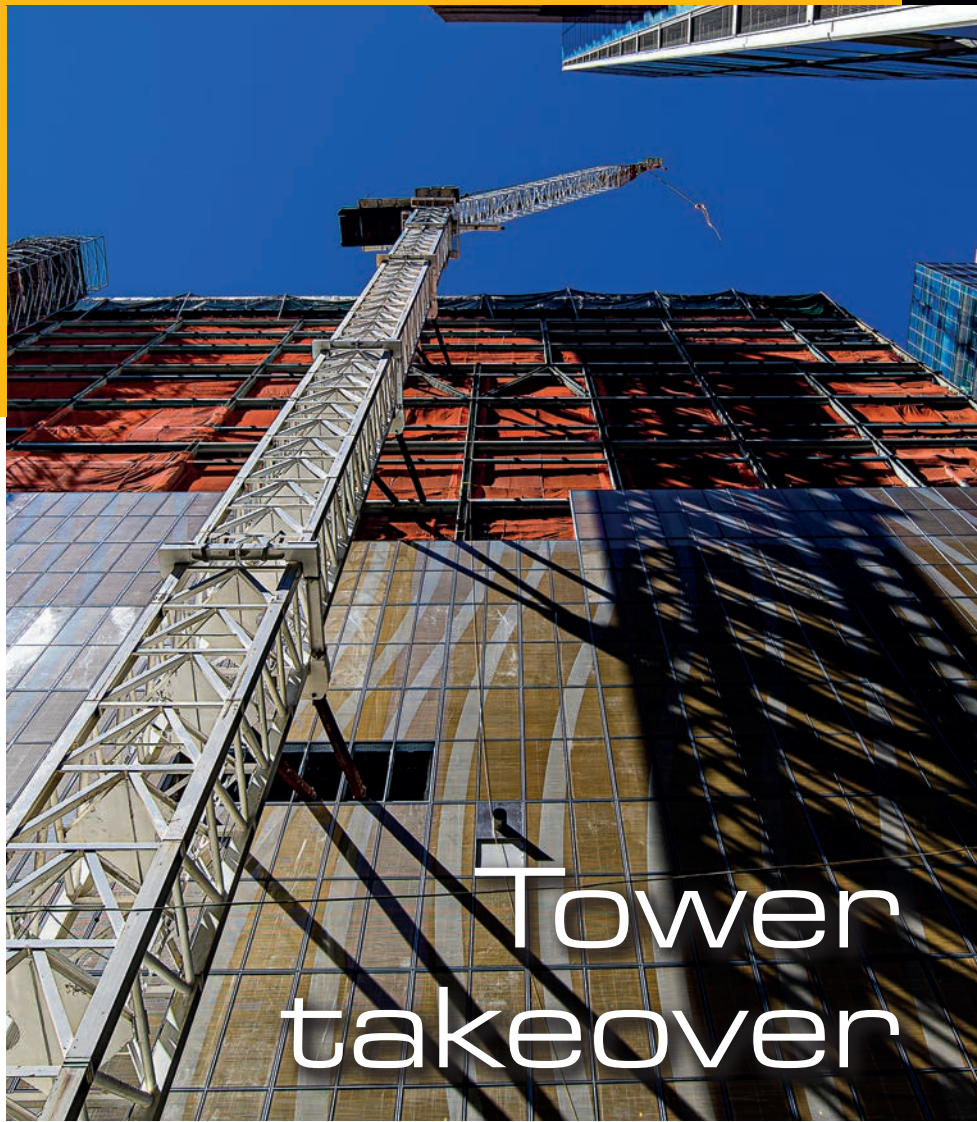


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Tower takeover

BY NUMBERS

TOWER CRANES

2,221

BRANCHES

273

EMPLOYEES

9,159

Largest tower cranes (by capacity)

2022 RANK	COMPANY	LARGEST TOWER CRANE	CAPACITY (MT)
1	LEAVITT CRANES	Kroll K1650L	135
2	J.F. LOMMA	Favco M1280	100
3	RELIABLE CRANE SERVICE	Wolff 1250B	66
4	MORROW EQUIPMENT	Liebherr 710 HC-L 32/64	64
5	MAXIM CRANE WORKS	Wolff 1250B	60
6	WOLFFKRAN	Wolff 1250B	60
7	SELECT CRANE	Wolff 1250B	60
8	U.S. CRANE & RIGGING*	Favco M440D	55
9	STAFFORD SOIMA CRANE GROUP	Potain MD 1400	50
10	BIGGE CRANE & RIGGING	Comedil CTT 721-40B	40
11	ML CRANE GROUP	Terex Peiner SK575	35
12	ALL FAMILY OF COMPANIES (ALL ERECTION & CRANE RENTAL)	Potain MD 610	32
13	UPERIO NORTH AMERICA	Zoomlion T600	32
14	RMS CRANES	Potain MR 608	32
15	OXFORD BUILDERS SUPPLIES	Terex Comedil CTL630	32
16	SKYCRANE LIMITED	Sun STT-753	32
17	B&G EQUIPMENT AND SUPPLY	Terex Peiner SK575	32
18	FUSE EQUIPMENT	Potain MR 605 B	32

* ACT estimate

campuses where multiple tower cranes often operate in tandem.

The **ACTTOWERCRANE50** reflects an evolving sector that is in a state of flux. Mergers and acquisitions (M&A) have significantly changed our 2022 tower crane toplist, which is slightly down in terms of overall fleet size from 2021. In 2021, the fleet size of the list was 2,260 units, while this year it is 2,221, a loss of 39 units.

The **ACTTOWERCRANE50** features 36 companies with 264 branches and 9,159 employees. Last year's list featured 34 companies, 273 branches and 9,282 employees.

This year, the ACT team cast a wide net to try to grow the **ACTTOWERCRANE50** list. As ever, compiling this list can be a frustrating endeavor as M&A activity greatly impacted the list. Even though five new companies were added, our 2022 list has 36 companies, as compared to 34 last year.

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2022

ACTTOWERCRANE50

2022 RANK	2021 RANK	COMPANY	NO. OF DEPOTS	NO. OF EMPLOYEES	COUNTRY	SCOPE OF OPERATION
1	► 1	MORROW EQUIPMENT COMPANY	21	318	USA	Worldwide
2	► 2	MAXIM CRANE WORKS	60	2,771	USA	National
3	NEW	UPERIO NORTH AMERICA	7	115	USA	National
4	▼ 3	BIGGE CRANE AND RIGGING COMPANY	23	1,081	USA	National
5	▲ 6	STAFFORD SOIMA CRANE GROUP	11	150	USA	Worldwide
6	▼ 5	ALL FAMILY OF COMPANIES	31	1,600	USA	Worldwide
7	► 7	LEAVITT CRANES	4	50	USA/Canada	Worldwide
8	► 8	CREATIVE LIFTING SERVICES	1	25	USA	Worldwide
9	► 9	RMS CRANES	6	320	USA	Regional
10	▲ 11	OXFORD BUILDERS SUPPLIES	4	130	Canada	National
11	▼ 10	LEWIS CRANE AND HOIST	1	70	USA	Regional
12	► 12	U.S. CRANE & RIGGING*	2	500	USA	National
13	▲ 15	BIGFOOT CRANE COMPANY	1	35	Canada	National
14	▲ 16	BLUE HAT CRANE & EQUIPMENT RENTAL	6	85	USA	National
15	▲ 19	RELIABLE CRANE SERVICE	4	165	USA	Regional
16	▲ 18	J.F. LOMMA	9	190	USA	Worldwide
17	► 17	SKYCRANE LIMITED	2	14	Canada	Worldwide
18	▲ 20	BRONSON CRANE	1	5	USA	Regional
19	▲ 21	B&G EQUIPMENT AND SUPPLY	7	14	USA	National
20	NEW	FUSE EQUIPMENT	4	35	USA	National
21	▲ 26	ML CRANE GROUP (UNITED CRANE AND RIGGING)	11	500	USA	National
22	▲ 32	ROCKY MOUNTAIN CRANE	1	9	USA	Regional
23	▲ 25	ALLIED CRANE	3	37	Canada	National
24	▼ 22	RAPICON	2	10	Canada	National
25	▼ 23	GUAY INC.	20	500	Canada	National
26	▲ 30	WOLFFKRAN	3	15	USA	National
27	▼ 24	ROYCAP MACHINERY	1	6	Canada	Regional
28	NEW	REYNOLDS RIGGING AND CRANE	2	60	USA	Regional
29	▼ 27	IDEAL CRANE RENTAL	6	105	USA	Regional
30	▼ 28	NORTH AMERICAN CRANE & RIGGING	5	70	USA	National
31	▼ 29	CUSTOM SERVICE CRANE	4	55	USA	Regional
32	▼ 31	CRANE TECH SOLUTIONS	2	25	USA	Regional
33	NEW	JCRANE	2	33	USA	Regional
34	NEW	ARROW CRANE	1	3	Canada	Regional
35	▼ 33	CONNELLY CRANE RENTAL	2	49	USA	Regional
36	▼ 34	SELECT CRANE	3	9	USA	Worldwide

* ACT estimate

Leading North American tower crane company Morrow Equipment remains at Number 1, a place the company has held since the inception of the **ACTTOWERCRANE50**.

Morrow reported an impressive 563-unit fleet. In May, Morrow placed an order for 27 new Liebherr tower cranes, so the company's fleet appears to be growing. (See our News article about this order on page 6.)

Maxim Crane Works held onto the Number 2 spot with 334 units.

Uperio, fueled by the acquisitions of P&J Arcomet and Compass Equipment, debuts

on our list at Number 3 with a fleet of 140 tower cranes. The addition of Uperio North America bumped Bigge Crane & Rigging to Number 4. Bigge reported a fleet of 99 tower cranes.

Breaking into the top five this year is Stafford Soima Crane Group. The company jumped from Number 6 to Number 5 with a fleet of 96 tower cranes, an increase of 22 units from last year. Stafford Soima Crane Group acquired Portuguese tower crane manufacturer Soima last year.

ML Crane Group, with its subsidiary United Crane Group, secured a spot at 21,

posting a fleet of 29 cranes. Last year the company was ranked Number 26.

Wagstaff Crane acquired Bronson Crane, which continues to operate as Bronson. Bronson is based at Wagstaff's headquarters in Murray, UT. Bronson is ranked number 18, up from Number 20 last year.

First timers

In 2022, there are five newcomers on the **ACTTOWERCRANE50**. In addition to Uperio at Number 3, Fuse Equipment made its debut at Number 20. Established in 2007, Fuse is a growing

SENIOR CONTACT	WEBSITE	LARGEST TOWER CRANE IN FLEET	LARGEST TOWER CRANE CAPACITY (MT)	NUMBER OF TOWER CRANES IN FLEET
Peter Juhren, President and COO	www.morrow.com	Liebherr 710 HC-L 32/64	64	563
Paul McDonnell, CEO	www.maximcrane.com	Wolff 1250B	60	334
Fred Daniels, EVP, North America	www.uperiousa.com	Zoomlion T600	32	140
Weston Settlemier, President & CEO	www.bigge.com	Comedil CTT 721-40B	40	99
Patrick N. Stafford, President	www.staffordcranegroup.com	Potain MD 1400	50	96
Michael L. Liptak, President	www.allcrane.com	Potain MD 610	32	91
Erick Zampini, General Manager	www.leavittcranes.com	Kroll K1650L	135	77
Kelly Webb, Vice President	www.creativelifting.com	Saez TLS-65	10	60
Michael Willenborg, President	www.rmscrane.com	Potain MR 608	32	57
Mike Demelo, Senior Vice President	www.oxfordbuilders.ca	Terex Comedil CTL630	32	51
Logan Lewis, CEO/Craig Martin, President	www.LewisCraneandHoist.com	Moritsch RTT 520	26	50
Thomas Auringer, Owner	www.uscraneriggingllc.com	Favco M440D	55	49
Ryan Burton, Managing Director	www.bigfootcrane.com	Potain MDT219/J10	10	41
Henry Volante, Equipment Operations Director	www.bluehatcrane.com	Linden Comansa 21LC550	20	36
Darrell Shaw, CEO	www.reliablecraneservice.com	Wolff 1250B	66	36
Frank Signorelli, Chief Operating Officer	www.jflommainc.com	Favco M1280	100	34
Jim Howard, President	www.towercranes.net	Sun STT-753	32	32
Judd Wagstaff, Manager	www.bronsoncrane.com	Potain MDT 219 J10	10	32
J.R. Moran, Director of Crane Operations	www.bgequipmentsupply.com	Terex Peiner SK575	32	32
John Rials, National Director of Equipment	www.fuseequip.com	Potain MR 605 B	32	31
Caroline Asimakopoulos, President	www.mlcranegroup.com	Terex Peiner SK575	35	29
Dusty Bitton, Owner	www.rockymtncranes.com	Potain MDT 219	10	27
Derek Kasa, CEO	www.alliedcraneltd.ca	JASO J560	24	26
Bernard (Red) Emond, President	www.rapicon.ca	Potain MDT 389 L16	16	25
Jean-Marc Baronet, President	www.gruesguay.com	Terex Peiner SK415	20	24
Michael Hergert, Vice President	www.wolffkran.com	Wolff 1250 B	60	24
Charlie Collura, General Manager	www.capitalcranecorp.com	Terex CTT 331-16	16	23
Nathanael Reynolds, Vice President	www.reynoldscrane.com	Potain MD 559	22	18
Robert Kalhagen, President	www.idealcranerental.com	Liebherr 125K	8	17
Louis Izzo, CEO	www.nacranes.com	Potain MD559	20	17
Randy Huffman, Vice President	www.customservicecrane.com	Wolff 355B	28	15
Robert Kohler, Vice President	www.cranetechsolutions.com	JASO J560	24	10
Jack Stull, President	www.jcrane.com	San Marco SMT 520	5.5	8
Daniel Wright, President	www.arrowcrane.ca	Terex CTL 260	18	8
Mike Connelly, President	www.connellycrane.com	Terex Peiner SK415	20	6
Jason Mackenzie, President	www.selectcrane.com	Wolff 1250B	60	3

company with headquarters in Boston, MA, and offices in New York, the Southeast, Texas and on the West Coast.

Reynolds Rigging & Crane has two branches, 60 employees and 18 tower cranes. The company's first-time rank is Number 28.

JCrane has been on the list before and returns with a rank of Number 33.

The final newcomer is Number 34, Arrow Crane. With a fleet of eight tower cranes, the company is based in Ontario, Canada. The company is led by Daniel Wright, president, and his grandfather, Ricky Redigonda.

Disclaimer

Like all of our lists, we work very hard to ensure the accuracy of the information submitted to us. ACT and its editors are not responsible for inaccuracies or errors in these lists.

We hope to continually grow this list. If your company has one or dozens of tower cranes in your fleet, you should be on this list. To receive a 2023 survey, please email D. Ann Shiffler at d.ann.shiffler@khl.com or Hannah Sundermeyer at hannah.sundermeyer@khl.com.

The biggest jumper is Rocky Mountain Crane, which jumped from 32 to 22.

With all the M&A activity over the last couple of years, it's easy to understand why this list looks different this year. The **ACTTOWERCRANE50** is open to any tower crane company that

operates in the United States, Canada and Mexico.

ACT's editorial team sent out more than 300 survey forms. We rely on the integrity of the information submitted, and we are not responsible for inaccurate or incomplete information.

2023 calendar of

JANUARY 4-7

SC&RA Board & Committee Meeting

Bonita Springs, FL
Hyatt Regency Coconut Point Resort
www.scranet.org

JANUARY 10-12

AED Summit

Chicago, IL
Hyatt Regency Chicago
www.aednet.org

JANUARY 17-19

World of Concrete

Las Vegas, NV
Las Vegas Convention Center
www.worldofconcrete.com

FEBRUARY 12-15

IMPACT Conference

New Orleans, LA
Hilton New Orleans Riverside
www.impact-net.org

FEBRUARY 21-23

Power Gen

Orlando, FL
Orange County Convention Center
www.powergen.com

FEBRUARY 28-MARCH 2

SC&RA Specialized Transportation Symposium

Orlando, FL
Rosen Centre Hotel
www.scranet.org

MARCH 14-18

ConExpo-Con/Agg

Las Vegas, NV
Las Vegas Convention Center
www.conexpoconagg.com

APRIL 16-19

AWRF Spring Conference

Paradise Valley, AZ
The Scottsdale Plaza Resort
www.awrf.org

APRIL 17-21

SC&RA Annual Conference

Carlsbad, CA
Omni La Costa Resort
www.scr.org



MAY 1-4

Offshore Technology Conference

Houston, TX
NRG Center
www.otcnet.org

MAY 16-18

Crane Rental Association of Canada

Vancouver, BC
Westin Bayshore
www.crac-aclg.ca

MAY 22-25

CLEANPOWER 2023 Conference & Exhibition

New Orleans, LA
Ernest N. Morial Convention Center
www.cleanpower.org

industry events



JUNE 13-14

International Tower Cranes (ITC)

Barcelona, Spain
Intercontinental Barcelona
www.khl-itc.com

SEPTEMBER 26-28

Breakbulk Americas

Houston, TX
George R. Brown Convention Center
www.americas.breakbulk.com

SEPTEMBER 26-28

SC&RA Crane & Rigging Workshop

Oklahoma City, OK
Omni Oklahoma City Hotel
www.scranet.org

SEPTEMBER 26-28

The Utility Show

Louisville, KY
Kentucky Exposition Center
www.theutilityexpo.com

OCTOBER 4-5

World Crane & Transport Summit

Singapore
www.khl-wcts.com

OCTOBER 15-18

AWRF Fall General Meeting & PIE

Dallas, TX
Sheraton Dallas Hotel
www.awrf.org

NOVEMBER 7-10

ACRP General Assembly

St. Louis, MO
St. Louis Union Station
www.acrp.net

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

www.khl.com/events/all-events-diary



JANUARY BOARD & COMMITTEE MEETINGS

January 4-7, 2023 Hyatt Regency Coconut Point Resort
Bonita Springs, FL



SPECIALIZED TRANSPORTATION SYMPOSIUM

February 28 -
March 2, 2023

Rosen Centre Hotel
Orlando, FL



ANNUAL CONFERENCE

April 17-21, 2023 Omni La Costa Resort
Carlsbad, CA



CRANE & RIGGING WORKSHOP

September 26-28, 2023

Omni Oklahoma City Hotel
Oklahoma City, OK



SAVE THE DATE IN 2023!

These tables and conversions are provided to help readers with comparisons between Imperial and metric measurements.

Conversion

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

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

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

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

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

LENGTH

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

AREA

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

VOLUME

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

HEAT

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

WEIGHT

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

POWER

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

PRESSURE

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

USA WET MEASURE EQUIVALENTS

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

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

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

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

tables

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

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

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

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

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

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

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

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 (yd²)		Square Meters (m²)
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 (ft³)		Cubic Meters (m³)
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 (yd³)		Cubic Meters (m³)
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 (gal) *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

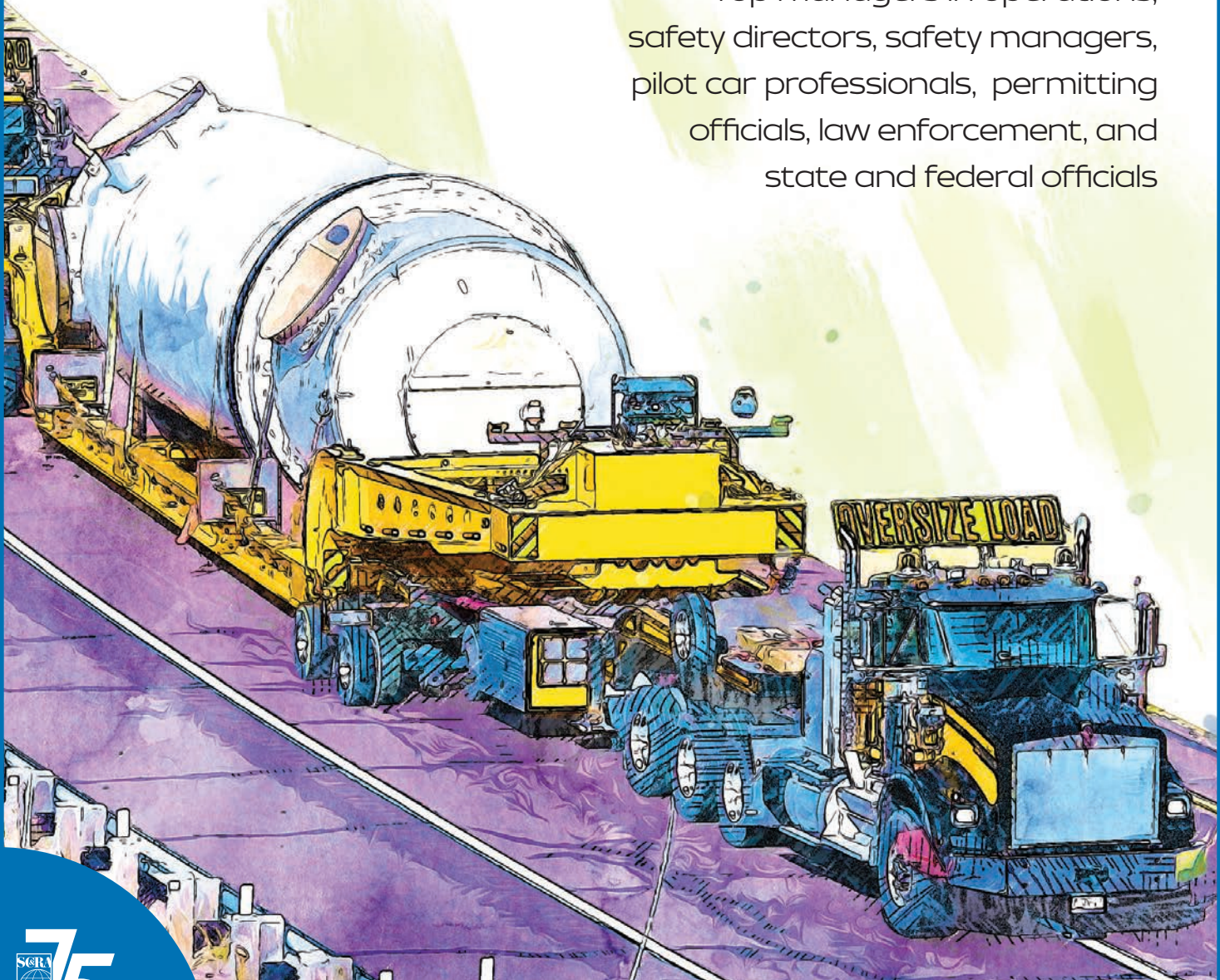


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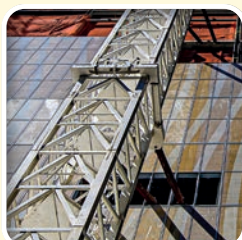
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ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Grove	GMK3050-3	50	0.9 @ 36.0	40	8	50	3	53	12	254	55
Grove	GMK3060-2	60	1.1 @ 36.0	40	15	58	3	53	12	254	65
Grove	GMK3060L-1	60	0.6 @ 48.0	48	15	65	3	53	12	254	65
Grove	GMK4080-3	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4090-1	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Grove	GMK4100L-2	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Grove	GMK5120L	120	1.0 @ 60.0	66	24	90	5	53	12	390	130
Grove	GMK5150-1	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150L-1	150	0.9 @74.0	60	33.8	97	5	53	12	390	175
Grove	GMK5150XL	150	1.0 @ 60.0	68.7	30.2	99	5	53	12	390	175
Grove	GMK5180-1	180	1.1 @76.0	64	34	101	5	53	12	390	210
Grove	GMK5200-1	200	1.0 @84.0	64	34	101	5	53	12	390	240
Grove	GMK5250L-1	250	0.9 @88.0	70	37	110	5	53	12	390	300
Grove	GMK5250XL-1	250	0.8 @90.0	78.5	33.8	115	5	53	12	390	300
Grove	GMK6300L-1	300	0.9 @94.0	80	37	120	6	53	12	430	350
Grove	GMK6400-1	400	2.6 @96.0	60	79	136	6	53	12	430	450
Grove	GMK7450/GMK7550	450	1.4 @104.0	60	79	136	7	53	12	420	550
Grove	GMK4070L	80	0.7t@52m	60	15	77	4	53	12	300	80
Liebherr	LTM 1030-2.1	35	0.4@40	30	15	44	2	53	12	209	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	53	12	209	45
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	243	50
Liebherr	LTC 1050-3.1	50	0.6@38	31	13	43	3	53	12	243	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	330	80
Liebherr	LTM 1090-4.2	90	0.7@62	60	16	76	4	53	12	330	110
Liebherr	LTM 1100-5.3	100	n/s	62	16	76	5	53	12	400	110
Liebherr	LTM 1110-5.1	110	1.0@54	60	33	91	5	53	12	400	125
Liebherr	LTM 1110-5.2	110	1.0@54	60	33	91	5	53	12	400	125
Liebherr	LTM 1120-4.1	120	0.9@54	66	26	91	4	53	12	330	135
Liebherr	LTM 1150-5.3	150	0.9@54	66	26	92	5	53	12	400	170
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Liebherr	LTM 1230-5.1	230	1.5@72	75	43	111	5	53	12	400	275
Liebherr	LTM 1250-5.1	250	1.1@96	60	50	108	5	53	12	400	300
Liebherr	LTM 1300-6.2	300	1.1@94	78	70	114	6	53	12	455	360
Liebherr	LTM 1300-6.3	300	n/s	90	43	120	6	53	12	455	360
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	455	400
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	132	8	53	12	505	550
Liebherr	LTM 1650-8.1	700	5.7@76	80	91	152	8	53	12	505	770
Liebherr	LTM 1750-9.1	800	4.3@112	52	91	152	9	53	12	505	900
Liebherr	LTM 11200-9.1	1,200 @ 2.5	1.9@136	100	126	188	9	50	12	505	1500
Link-Belt Cranes	1751AT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Link-Belt Cranes	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Link-Belt Cranes	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Tadano	AC 2.040-1	40	0.9@32	35.2	9	46	2	52.9	12	231	40
Tadano	AC 3.045-1 City	45	0.7@36.5	31.2	13	44.2	3	49.7	12	260	50
Tadano	AC 3.055-1	55	0.95@36.5	50	1	50	3	52.8	12	260	60
Tadano	AC 3.060-1	60	0.7@44	50	16	64.6	3	52.8	12	260	65
Tadano	AC 4.070L-1	70	0.5@52	52.1	16	69.5	4	49.7	12	340	75
Tadano	AC 4.070-2	70	.08@40	50	16	68	4	52.8	12	340	75
Tadano	AC 4.080-1	80	0.9@46	60	6.5	65.8	4	52.8	12	340	88
Tadano	AC 4.100L-1	100	1.0@54	59.4	27	81.5	4	52.8	12	340	120
Tadano	AC 4.110-1	110	1.0@54	60	31.9	91	4	52.8	12	340	120
Tadano	AC 5.120-1	120	0.8@68	60	31.9	90	5	52.8	12	390	132
Tadano	AC 5.130-1	130	1.6@62	59.8	33	88	5	52.8	12	405	140
Tadano	AC 5.140-1	140	1.1@72	60	32	93	5	52.8	12	390	160
Tadano	AC 5.160-1	160	1.5@66	68	33	96	5	52.8	12	405	180
Tadano	AC 5.220L-1	220	1.1@74	78	27	105	5	52.8	12	405	245

ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Tadano	AC 5.220-1	220	1.4@84	68	36	107	5	52.8	12	390	250
Tadano	AC 5.250-1	250	1.7@78	70	45	110	5	52.8	12	405	300
Tadano	AC 6.300-1	300	2.5@82	80	63	122	6	52.8	12	460	350
Tadano	AC 7.450-1	450	2.5@98	80	81	126	7	52.8	12	460	500
Tadano	AC 8.500-1	500	2.2@110	56	90	142	8	49.7	12	460	600

ALL TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Liebherr	LTM 1030-2.1	35	0.4@40	30	15	44	2	53	12	209	40
Tadano	AC 2.040-1	40	0.9@32	35.2	9	46	2	52.9	12	231	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	53	12	209	45
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	243	50
Liebherr	LTC 1050-3.1	50	0.6@38	31	13	43	3	53	12	243	50
Tadano	AC 3.045-1 City	45	0.7@36.5	31.2	13	44.2	3	49.7	12	260	50
Grove	GMK3050-3	50	0.9 @ 36.0	40	8	50	3	53	12	254	55
Liebherr	LTM 1050-3.1	50	0.6@44	38	16	54	3	53	12	270	60
Tadano	AC 3.055-1	55	0.95@36.5	50	1	50	3	52.8	12	260	60
Grove	GMK3060-2	60	1.1 @ 36.0	40	15	58	3	53	12	254	65
Grove	GMK3060L-1	60	0.6 @ 48.0	48	15	65	3	53	12	254	65
Liebherr	LTM 1055-3.2	55@2.5	0.9@46	40	16	56	3	53	12	270	65
Tadano	AC 3.060-1	60	0.7@44	50	16	64.6	3	52.8	12	260	65
Liebherr	LTM 1060-3.1	60@2.1	0.9@48	48	16	63	3	53	12	270	70
Tadano	AC 4.070L-1	70	0.5@52	52.1	16	69.5	4	49.7	12	340	75
Tadano	AC 4.070-2	70	.08@40	50	16	68	4	52.8	12	340	75
Grove	GMK4070L	80	0.7t@52m	60	15	77	4	53	12	300	80
Liebherr	LTM 1070-4.2	70@2.5	0.7@48	50	16	65	4	53	12	330	80
Grove	GMK4080-3	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Tadano	AC 4.080-1	80	0.9@46	60	6.5	65.8	4	52.8	12	340	88
Grove	GMK4090-1	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Liebherr	LTM 1090-4.2	90	0.7@62	60	16	76	4	53	12	330	110
Liebherr	LTM 1100-5.3	100	n/s	62	16	76	5	53	12	400	110
Grove	GMK4100L-2	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Tadano	AC 4.100L-1	100	1.0@54	59.4	27	81.5	4	52.8	12	340	120
Tadano	AC 4.110-1	110	1.0@54	60	31.9	91	4	52.8	12	340	120
Liebherr	LTM 1110-5.1	110	1.0@54	60	33	91	5	53	12	400	125
Liebherr	LTM 1110-5.2	110	1.0@54	60	33	91	5	53	12	400	125
Grove	GMK5120L	120	1.0 @ 60.0	66	24	90	5	53	12	390	130
Tadano	AC 5.120-1	120	0.8@68	60	31.9	90	5	52.8	12	390	132
Liebherr	LTM 1120-4.1	120	0.9@54	66	26	91	4	53	12	330	135
Tadano	AC 5.130-1	130	1.6@62	59.8	33	88	5	52.8	12	405	140
Tadano	AC 5.140-1	140	1.1@72	60	32	93	5	52.8	12	390	160
Liebherr	LTM 1150-5.3	150	0.9@54	66	26	92	5	53	12	400	170
Grove	GMK5150-1	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150L-1	150	0.9 @74.0	60	33.8	97	5	53	12	390	175
Grove	GMK5150XL	150	1.0 @ 60.0	68.7	30.2	99	5	53	12	390	175
Link-Belt Cranes	175IAT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Tadano	AC 5.160-1	160	1.5@66	68	33	96	5	52.8	12	405	180
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Grove	GMK5180-1	180	1.1 @76.0	64	34	101	5	53	12	390	210
Link-Belt Cranes	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Grove	GMK5200-1	200	1.0 @84.0	64	34	101	5	53	12	390	240
Tadano	AC 5.220L-1	220	1.1@74	78	27	105	5	52.8	12	405	245

ALL TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Tadano	AC 5.220-1	220	1.4@84	68	36	107	5	52.8	12	390	250
Liebherr	LTM 1230-5.1	230	1.5@72	75	43	111	5	53	12	400	275
Link-Belt Cranes	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Grove	GMK5250L-1	250	0.9 @88.0	70	37	110	5	53	12	390	300
Grove	GMK5250XL-1	250	0.8 @90.0	78.5	33.8	115	5	53	12	390	300
Liebherr	LTM 1250-5.1	250	1.1@96	60	50	108	5	53	12	400	300
Tadano	AC 5.250-1	250	1.7@78	70	45	110	5	52.8	12	405	300
Grove	GMK6300L-1	300	0.9 @94.0	80	37	120	6	53	12	430	350
Tadano	AC 6.300-1	300	2.5@82	80	63	122	6	52.8	12	460	350
Liebherr	LTM 1300-6.2	300	1.1@94	78	70	114	6	53	12	455	360
Liebherr	LTM 1300-6.3	300	n/s	90	43	120	6	53	12	455	360
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	455	400
Grove	GMK6400-1	400	2.6 @96.0	60	79	136	6	53	12	430	450
Tadano	AC 7.450-1	450	2.5@98	80	81	126	7	52.8	12	460	500
Grove	GMK7450/GMK7550	450	1.4 @104.0	60	79	136	7	53	12	420	550
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	132	8	53	12	505	550
Tadano	AC 8.500-1	500	2.2@110	56	90	142	8	49.7	12	460	600
Liebherr	LTM 1650-8.1	700	5.7@76	80	91	152	8	53	12	505	770
Liebherr	LTM 1750-9.1	800	4.3@112	52	91	152	9	53	12	505	900
Liebherr	LTM 11200-9.1	1,200 @ 2.5	1.9@136	100	126	188	9	50	12	505	1500

ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
Brodersen	RT-400	20	3600 lbs @ 68 ft	n/s		98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	146	2	25	122	30
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	154	2	25	122	40
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	170	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	196	2	18.8	122	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	214	2	23	194	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	221	2	23	194	70
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	223	2	15	205	80
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	239.5	2	15	205	100
Grove	GRT8120	120@2	0.68 @ 58.0	60	17.6	265	2	15	205	120
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	279	2	15	239	130
Grove	GRT9165	150@2.5	0.65 @ 72.0	62.5	25.8	299	3	7.5	224	165
Liebherr	LRT 1090-2.1	90	0.9@48	47	19	66	2	15.5	201	100
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	201	110
Liebherr	LRT 1130-2.1	130	n/s	60	26	85	2	12.5	188	140
Link-Belt Cranes	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Link-Belt Cranes	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Link-Belt Cranes	85IRT	80@2.5	.9@39.6	43.3	17.7	63.6	2	20.8	201	85
Link-Belt Cranes	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Link-Belt Cranes	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Link-Belt Cranes	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1	n/s	17	257	130
Link-Belt Cranes	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92	n/s	15	257	160
Manitex	M-150	15	4,700 lbs @ 55 ft	19.05	n/s	85.5	2	26	119	15
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
SANY America	SRA750A	142	1.76@40.53	43.5	17	206.6	2	15	209	75
SANY America	SRA1000A	182.6	2.4@41.45	47	18	214.9	2	15	209	100
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Tadano	GR-800XL-4	72.6 @ 2.4	0.64 @ 44	43	17.7	211.3	2	22	209	80
Tadano	GR-1000XL-4	90.7 @ 2.4	1.27 @ 44	47	17.7	211.3	2	22	209	100

ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
Tadano	GR-1000XLL-4	90.7 @ 2.4	1.1 @ 47	51	17.7	224.1	2	22	209	100
Tadano	GR-1200XL	110 @ 2.4	1.2 @ 46	56	17.7	241.4	2	12	201	120
Tadano	GR-1300XL-4	120 @ 2.4	1.1 @ 53	56	18	237.9	2	12	209	130
Tadano	GR-1600XL	145 @ 2.4	1.8 @ 56	61	18	302.5	3	9.3	201	160
Terex	TRT 80US	80@2.5	0.9 @ 39	42.1	15	141	2	19.2	168	80
Terex	TRT 100US	87@2.5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Terex	TRT 40US	35@3	n/s	30.1	8	n/s	2	n/s	129	40
Zoomlion	ZRT600	60	1,212.5 @ 146.98 ft	45	16	200.8	2	24.85	194	66
Zoomlion	ZRT850	85	1,984 lbs @ 146 ft	47	16	215.6	2	22.37	194	94
Zoomlion	ZRT1100	100	1,984 lbs @ 164 ft	49	17.5	219.16	2	21.88	194	121

ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
Manitex	M-150	15	4,700 lbs @ 55 ft	19.05	n/s	85.5	2	26	119	15
Brodersen	RT-400	20	3600 lbs @ 68 ft	n/s		98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	146	2	25	122	30
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	154	2	25	122	40
Terex	TRT 40US	35@3	n/s	30.1	8	n/s	2	n/s	129	40
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	170	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	196	2	18.8	122	55
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	214	2	23	194	65
Link-Belt Cranes	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Zoomlion	ZRT600	60	1,212.5 @ 146.98 ft	45	16	200.8	2	24.85	194	66
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	221	2	23	194	70
Link-Belt Cranes	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
SANY America	SRA750A	142	1.76@40.53	43.5	17	206.6	2	15	209	75
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	223	2	15	205	80
Tadano	GR-800XL-4	72.6 @ 2.4	0.64 @ 44	43	17.7	211.3	2	22	209	80
Terex	TRT 80US	80@2.5	0.9 @ 39	42.1	15	141	2	19.2	168	80
Link-Belt Cranes	85IRT	80@2.5	.9@39.6	43.3	17.7	63.6	2	20.8	201	85
Zoomlion	ZRT850	85	1,984 lbs @ 146 ft	47	16	215.6	2	22.37	194	94
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	239.5	2	15	205	100
Liebherr	LRT 1090-2.1	90	0.9@48	47	19	66	2	15.5	201	100
Link-Belt Cranes	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
SANY America	SRA1000A	182.6	2.4@41.45	47	18	214.9	2	15	209	100
Tadano	GR-1000XL-4	90.7 @ 2.4	1.27 @ 44	47	17.7	211.3	2	22	209	100
Tadano	GR-1000XLL-4	90.7 @ 2.4	1.1 @ 47	51	17.7	224.1	2	22	209	100
Terex	TRT 100US	87@2.5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	201	110
Grove	GRT8120	120@2	0.68 @ 58.0	60	17.6	265	2	15	205	120
Link-Belt Cranes	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Tadano	GR-1200XL	110 @ 2.4	1.2 @ 46	56	17.7	241.4	2	12	201	120
Zoomlion	ZRT1100	100	1,984 lbs @ 164 ft	49	17.5	219.16	2	21.88	194	121
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	279	2	15	239	130
Link-Belt Cranes	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1	n/s	17	257	130
Tadano	GR-1300XL-4	120 @ 2.4	1.1 @ 53	56	18	237.9	2	12	209	130
Liebherr	LRT 1130-2.1	130	n/s	60	26	85	2	12.5	188	140
Link-Belt Cranes	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92	n/s	15	257	160
Tadano	GR-1600XL	145 @ 2.4	1.8 @ 56	61	18	302.5	3	9.3	201	160
Grove	GRT9165	150@2.5	0.65 @ 72.0	62.5	25.8	299	3	7.5	224	165

TRUCK CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum	Maximum	Maximum	Number of Axles	Maximum	Engine Power	Capacity
		Load @ 3m	Maximum Radius (t@m)	Main Boom	Main Boom Extension	Hook Height		Travel Speed		
		(t)		(m)	(m)	(m)	(#)	(mph)	(kW)	US tons
Grove	TMS500-2	40 @ 2.2	.6 @ 38	29	13.7	39.1	3	65	261	40
Grove	TMS500-2	40 @ 2.2	.6 @ 36	31	13.7	42	3	65	261	40
Grove	TMS800-2	80	1.6 @ 41	39	25.6	59.2	4	65	336	80
Grove	TMS9000-2	104	.6 @ 61	51.6	25.6	80.3	4	65	336	115
Grove	TTS9000-2	104	.6 @ 61	51.6	25.6	80.3	4	65	336	115
Liebherr	LTF 1045-4.1	45 @ 2.5	0.8 @ 42	35	9.5	44	4	n/s	n/s	55
Liebherr	LTF 1060-4.1	60 @ 2.5	0.7 @ 48	40	16	56	4	n/s	n/s	70
Link-Belt Cranes	HTC-8660 Series II (XP)	45.36	1.2 @ 30	33.5	15.5	46.4	4	60.69	276	60
Link-Belt Cranes	65IHT	55 @ 2.1m	1.45 @ 32	35	15.5	52.2	4	60.69	276	65
Link-Belt Cranes	HTC/HTT-8675 Series II	64.25	1.45 @ 36	38.7	29.26	65.17	4	62.9	336	75
Link-Belt Cranes	HTC/HTT-86100	72.65	2.35 @ 40	42.7	27.5	67.3	4	62.9	336	100
Link-Belt Cranes	HTC/HTT-86110	85	1.9 @ 46	50	27.5	76.9	4	62	336	110
Link-Belt Cranes	120IHT	110 @ 2.1m	1.9 @ 47	50	27.5	79.7	4	61	339	120
Link-Belt Cranes	120ITT	110 @ 2.1m	1.9 @ 4.7	50	27.5	79.7	4	61	339	120
Load King	340-94	36.3	.95 @ 26	28.7	14.9	44.8	3	60	224	40
Load King	340-105	36.3	.55 @ 30	32	14.9	48.2	3	60	224	40
Load King	460-110	54	1.25 @ 32	33.5	17.4	52	4	65	335	60
Load King	480-126	72	1.6 @ 36	38.4	17.4	57.6	4	65	335	80
Tadano	GT-300EL	30 @ 3	0.6 @ 32	34	14	48	3	85 km/h	240	N/A
Tadano	GT-600EL	60 @ 2.7	0.6 @ 34	43	14.3	57.3	4	85 km/h	260	N/A
Tadano	GT-750EL	75 @ 2.7	0.6 @ 40	47	14.3	61.2	4	85 km/h	260	N/A

TRUCK CRANES BY CAPACITY

Manufacturer	Model	Maximum	Load at	Maximum	Maximum	Maximum	Number of Axles	Maximum	Engine Power	Capacity
		Load @ 3m	Maximum Radius (t@m)	Main Boom	Main Boom Extension	Hook Height		Travel Speed		
		(t)		(m)	(m)	(m)	(#)	(mph)	(kW)	US tons
Grove	TMS500-2	40 @ 2.2	.6 @ 38	29	13.7	39.1	3	65	261	40
Grove	TMS500-2	40 @ 2.2	.6 @ 36	31	13.7	42	3	65	261	40
Load King	340-94	36.3	.95 @ 26	28.7	14.9	44.8	3	60	224	40
Load King	340-105	36.3	.55 @ 30	32	14.9	48.2	3	60	224	40
Liebherr	LTF 1045-4.1	45 @ 2.5	0.8 @ 42	35	9.5	44	4	n/s	n/s	55
Link-Belt Cranes	HTC-8660 Series II (XP)	45.36	1.2 @ 30	33.5	15.5	46.4	4	60.69	276	60
Load King	460-110	54	1.25 @ 32	33.5	17.4	52	4	65	335	60
Link-Belt Cranes	65IHT	55 @ 2.1m	1.45 @ 32	35	15.5	52.2	4	60.69	276	65
Liebherr	LTF 1060-4.1	60 @ 2.5	0.7 @ 48	40	16	56	4	n/s	n/s	70
Link-Belt Cranes	HTC/HTT-8675 Series II	64.25	1.45 @ 36	38.7	29.26	65.17	4	62.9	336	75
Grove	TMS800-2	80	1.6 @ 41	39	25.6	59.2	4	65	336	80
Load King	480-126	72	1.6 @ 36	38.4	17.4	57.6	4	65	335	80
Link-Belt Cranes	HTC/HTT-86100	72.65	2.35 @ 40	42.7	27.5	67.3	4	62.9	336	100
Link-Belt Cranes	HTC/HTT-86110	85	1.9 @ 46	50	27.5	76.9	4	62	336	110
Grove	TMS9000-2	104	.6 @ 61	51.6	25.6	80.3	4	65	336	115
Grove	TTS9000-2	104	.6 @ 61	51.6	25.6	80.3	4	65	336	115
Link-Belt Cranes	120IHT	110 @ 2.1m	1.9 @ 47	50	27.5	79.7	4	61	339	120
Link-Belt Cranes	120ITT	110 @ 2.1m	1.9 @ 4.7	50	27.5	79.7	4	61	339	120
Tadano	GT-300EL	30 @ 3	0.6 @ 32	34	14	48	3	85 km/h	240	n/s
Tadano	GT-600EL	60 @ 2.7	0.6 @ 34	43	14.3	57.3	4	85 km/h	260	n/s
Tadano	GT-750EL	75 @ 2.7	0.6 @ 40	47	14.3	61.2	4	85 km/h	260	n/s

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-53B	63	53	NA	Out-and-Down	30
Altec	AC30-101B	109	101	44	Out-and-Down	30
Altec	AC30-103S	156	103	44	Out-and-Down	30
Altec	AC38-103S	167	103	55	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	Out-and-Down	38
Altec	AC38-127S	189	127	55	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	Out-and-Down	38
Altec	AC38-127S-L	136	127	n/s	Out-and-Down	38
Altec	AC40E-152S	207	152	49	Out-and-Down	40
Altec	AC45E-127S	189	127	55	Out-and-Down	45
Altec	AC65E-155S	206	155	50	Swing Out-and-Down	65
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	A-Frame	26
Elliott Equipment Company	3095	148	95	24 or 41	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	Out-and-Down	30
Elliott Equipment Company	34127	186	127	49	Out-and-Down	34
Elliott Equipment Company	34142	201	142	49	Out-and-Down	34
Elliott Equipment Company	36127	186	127	49	Out-and-Down	36
Elliott Equipment Company	36142	201	142	49	Out-and-Down	36
Elliott Equipment Company	40105	170	105	32 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Elliott Equipment Company	45127	192	127	26 or 55	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26 or 55	Out-and-Down	45
Load King	MU16	87	47	18-20	A Link-Type	10
Load King	10-47	87	47	18-30	A Link-Type	10
Load King	19-51TM	101	51	24-40	Out and down	19
Load King	19-70	120	70	24 - 40	A Link-Type	19
Load King	25-92	146	92	26 - 44	A Link-Type	25
Load King	25-92M	146	92	26-44	Out and down	25
Load King	28-106	163	106	30 - 47	A Link-Type	28
Load King	35-100	165	100	30.5 - 55	Out and down	35
Load King	35-127M	192	127	30.5 - 55	Out and down	35
Load King	35-127RS	192	127	30.5 - 55	Out and down	35
Load King	40-127RS	192	127	30.5 - 55	Out and down	40
Load King	50-155	222	155	33 - 57	Swing out and down	50
Load King	60-150	217	150	33 - 57	Swing out and down	60
Load King	80-160	228	160	30 - 58	Swing out and down	40
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	17
Manitex	1970C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	19
Manitex	2085T	95	18.9 - 85	N/A	Out-and-Down	20
Manitex	2485C/T	95	18.9-85	N/A	Out-and-Down	24
Manitex	2250C/T	96	20 - 50	20 or 34	A-Link and Out-and-Down	22
Manitex	2262C/T	115	24 - 62	24 or 42	A-Link and Out-and-Down	22
Manitex	2277C	140	29 - 77	29 or 52	A-Link and Out-and-Down	22

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	2281C/T	133	24 - 81	24 or 41	A-Link and Out-and-Down	22
Manitex	2277S	138	29 - 77	29 or 52	Out-and-Down	22
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	124WL	135	37 - 124	n/s	A-Link and Out-and-Down	25
Manitex	26101C	142	29 - 101	26	A-Link and Out-and-Down	26
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
Manitex	30112S	168	33 - 112	26 or 46	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	A-Link and Out-and-Down	30
Manitex	3051T	62	51	NA	A-LINK and Out-and-Down	30
Manitex	3577C	91	30 - 77	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	Out-and-Down	35
Manitex	35124C	166	31 - 124	31	Out-and-Down	35
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
Manitex	TC450-127	190	31-127	31-55	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	Out-and-Down	45
Manitex	TC500-96	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500X-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500X-155	203	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC65131	194	131	30 - 50	Out-and-Down	65
Manitex	TC65159	207	159	38	Out-and-Down	65
National Crane	400B	66	56	n/s	A-type	10
National Crane	500E2	121	71	41	A-type	18
National Crane	600E2	121	90	45	A-type	20
National Crane	600H	99	90	45	HO-type	20
National Crane	800D	152	100	44	A-type	23
National Crane	900A	155	103	44	A-type	26
National Crane	NBT30H-2	119	110	44	HO-type	30
National Crane	1300A	163	110	44	HO-type	30
National Crane	1400H	165	127	30	HO-type	33
National Crane	1400A	172	127	30	HO-type	33
National Crane	NBT40-2	204	142	55	HO-type	40
National Crane	NBT45-2	204	142	55	HO-type	45
National Crane	NBT50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
National Crane	NBT60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
National Crane	NBT60XL	202	151	45	X-type	60
National Crane	NTC60XL	202	151	45	X-type	60
QMC	5370R	73.8	70	n/s	Out-and-Down	22
QMC	5555S	58.8	55	n/s	Out-and-Down	23
QMC	5555R	58.8	55	n/s	Out-and-Down	23
QMC	4033R	37.4	33	n/s	Out-and-Down	25
QMC	4037R	41.3	37	n/s	Out-and-Down	25
QMC	5037R	34.9	37	n/s	Out-and-Down	29
QMC	5034R	32.2	34	n/s	Out-and-Down	29
QMC	7256R	60.2	56	n/s	Out-and-Down	30
QMC	6070C	73.8	70	30 Fly	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	Out-and-Down	33
QMC	6082TD	83.9	82	n/s	Out-and-Down	34
QMC	70100TD	95.5	100	n/s	Out-and-Down	35
QMC	7060RSX	56.9	60	n/s	Out-and-Down	36
QMC	8060R	57.1	60	n/s	Out-and-Down	40
QMC	80101S	97	101	n/s	Out-and-Down	40

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Load King	MU16	87	47	18-20	A Link-Type	10
Load King	10-47	87	47	18-30	A Link-Type	10
National Crane	400B	66	56	n/s	A-type	10
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	17
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
National Crane	500E2	121	71	41	A-type	18
Load King	19-51TM	101	51	24-40	Out and down	19
Load King	19-70	120	70	24 - 40	A Link-Type	19
Manitex	1970C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	19
Manitex	2085T	95	18.9-85	N/A	Out-and-Down	20
National Crane	600E2	121	90	45	A-type	20
National Crane	600H	99	90	45	HO-type	20
Manitex	2250C/T	96	20 - 50	20 or 34	A-Link and Out-and-Down	22
Manitex	2262C/T	115	24 - 62	24 or 42	A-Link and Out-and-Down	22
Manitex	2277C	140	29 - 77	29 or 52	A-Link and Out-and-Down	22
Manitex	2281C/T	133	24 - 81	24 or 41	A-Link and Out-and-Down	22
Manitex	2277S	138	29 - 77	29 or 52	Out-and-Down	22
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
QMC	5370R	73.8	70	n/s	Out-and-Down	22
National Crane	800D	152	100	44	A-type	23
QMC	5555S	58.8	55	n/s	Out-and-Down	23
QMC	5555R	58.8	55	n/s	Out-and-Down	23
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Manitex	2485C/T	95	18.9-85	N/A	Out-and-Down	24
Load King	25-92	146	92	26 - 44	A Link-Type	25
Load King	25-92M	146	92	26-44	Out and down	25
Manitex	124WL	135	37 - 124	n/s	A-Link and Out-and-Down	25
QMC	4033R	37.4	33	n/s	Out-and-Down	25
QMC	4037R	41.3	37	n/s	Out-and-Down	25
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	A-Frame	26
Manitex	26101C	142	29 - 101	26	A-Link and Out-and-Down	26
National Crane	900A	155	103	44	A-type	26
Load King	28-106	163	106	30 - 47	A Link-Type	28
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
QMC	5037R	34.9	37	n/s	Out-and-Down	29
QMC	5034R	32.2	34	n/s	Out-and-Down	29
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-53B	63	53	NA	Out-and-Down	30
Altec	AC30-101B	109	101	44	Out-and-Down	30
Altec	AC30-103S	156	103	44	Out-and-Down	30
Elliott Equipment Company	3095	148	95	24 or 41	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	Out-and-Down	30
Manitex	30112S	168	33 - 112	26 or 46	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	A-Link and Out-and-Down	30
Manitex	3051T	62	51	NA	A-LINK and Out-and-Down	30
National Crane	NBT30H-2	119	110	44	HO-type	30
National Crane	1300A	163	110	44	HO-type	30
QMC	7256R	60.2	56	n/s	Out-and-Down	30
National Crane	1400H	165	127	30	HO-type	33
National Crane	1400A	172	127	30	HO-type	33
QMC	6070C	73.8	70	30 Fly	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	Out-and-Down	33
Elliott Equipment Company	34127	186	127	49	Out-and-Down	34
Elliott Equipment Company	34142	201	142	49	Out-and-Down	34
QMC	6082TD	83.9	82	n/s	Out-and-Down	34
Load King	35-100	165	100	30.5 - 55	Out and down	35
Load King	35-127M	192	127	30.5 - 55	Out and down	35
Load King	35-127RS	192	127	30.5 - 55	Out and down	35
Manitex	3577C	91	30 - 77	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	Out-and-Down	35
Manitex	35124C	166	31 - 124	31	Out-and-Down	35
QMC	70100TD	95.5	100	n/s	Out-and-Down	35
Elliott Equipment Company	36127	186	127	49	Out-and-Down	36
Elliott Equipment Company	36142	201	142	49	Out-and-Down	36
QMC	7060RSX	56.9	60	n/s	Out-and-Down	36
Altec	AC38-103S	167	103	55	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	Out-and-Down	38
Altec	AC38-127S	189	127	55	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	Out-and-Down	38
Altec	AC38-127S-L	136	127	n/s	Out-and-Down	38
Altec	AC40E-152S	207	152	49	Out-and-Down	40
Elliott Equipment Company	40105	170	105	32 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Load King	40-127RS	192	127	30.5 - 55	Out and down	40
Load King	80-160	228	160	30 - 58	Swing out and down	40
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
National Crane	NBT40-2	204	142	55	HO-type	40
GMC	8060R	57.1	60	n/s	Out-and-Down	40
GMC	80101S	97	101	n/s	Out-and-Down	40
Altec	AC45E-127S	189	127	55	Out-and-Down	45
Elliott Equipment Company	45127	192	127	26 or 55	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26 or 55	Out-and-Down	45
Manitex	TC450-127	190	31-127	31-55	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	Out-and-Down	45
National Crane	NBT45-2	204	142	55	HO-type	45
Load King	50-155	222	155	33 - 57	Swing out and down	50
Manitex	TC500-96	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500X-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500X-155	203	38.5 - 185	32 or 39	Out-and-Down	50
National Crane	NBT50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
Load King	60-150	217	150	33 - 57	Swing out and down	60
National Crane	NBT60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60
National Crane	NBT60XL	202	151	45	X-type	60
National Crane	NTC60XL	202	151	45	X-type	60
Altec	AC65E-155S	206	155	50	Swing Out-and-Down	65
Manitex	TC65131	194	131	30 - 50	Out-and-Down	65
Manitex	TC65159	207	159	38	Out-and-Down	65

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Kobelco	CK800G-3	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80
Kobelco	CK850G-3	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85
Kobelco	CK1100G-3	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110
Kobelco	CK1200G-3	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1200G-3 HDD	109 @ 3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1600G-3	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Kobelco	CK2000G-3	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Kobelco	CK2750G-3	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity US Tons
		Load @ 3m (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/ Maximum (m/m)	Main Boom Extension (m)	Travel Speed (m/min)	
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000
Liebherr	HS 8040.1	40	1.2@36	45	18,568	50	30.8	44
Liebherr	HS 8070.1	70	1.1@46	54	20,760	56	25	77
Liebherr	LR 1100.1	100	2.1@62	98	14/62	62	25	110
Liebherr	HS 8100.1	100	1@52	60	14/59	62	22.33	110
Liebherr	LR 1110	115.5	2.5@65	105.9	14/71	71	22.5	127
Liebherr	HS 8130.1	130	0.5@50	72	14/53	74	21.66	143
Liebherr	LR 1130.1	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Liebherr	LR 1130.1 unplugged	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Liebherr	LR 1160.1	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	177
Liebherr	LR 1160.1 unplugged	160@3.9m	2.8@85.1	130	20.0/87.6	104.9	25	177
Liebherr	LR 1200.1	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	242
Liebherr	LR 1200.1 unplugged	220@4.1m	2.3@96	143	20.0/89.1	117	26.6	242
Liebherr	HS 8200	200@4.8	2.6@67	n/s	20/68	n/s	21.7	220
Liebherr	LR 1250.1	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275
Liebherr	LR 1250.1 unplugged	250@4.1m	2.3@96	143	20.0/86.1	117	26.6	275
Liebherr	LR 1300.1 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	331
Liebherr	HS 8300.2	300	2.9@60	72	20/68	68	25	323
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400
Liebherr	LR 1400 SX	400@4.9	n/s	172.6	20/95	113	n/s	440
Liebherr	LR 1500	500@7.5m	3.3@144	164	36/132	84	25	550
Liebherr	LR 1700-1.0	700@8.5m	9.2@160	196	24/165	96	20	770
Liebherr	LR 1800-1.0	800@9m	7.1@164	202	36/180	102	25	880
Liebherr	LR 11000	1000@11m	6.1@180	220	18/168	114	23.5	1,200
Liebherr	LR 11350	1350@12m	30.6@140	220	30/150	84	18	1,500
Liebherr	LR 12500-1.0	2500@10m	n/s	200	60/156	108	n/s	2,750
Liebherr	LR 13000	3000@12m	29@200	236	60/144	126	n/s	3,300
Link-Belt Cranes	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Link-Belt Cranes	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Link-Belt Cranes	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Link-Belt Cranes	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150
Link-Belt Cranes	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Link-Belt Cranes	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Link-Belt Cranes	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
Manitowoc	MLC150-1	150	1.3 @ 66.5	78.9	15/78	24.4	35	165
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	24.4	51.7	181
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Manitowoc	MLC250	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
SANY America	SCA1000A	100@3.8	1.3@58	73	13/64	22.5	32.2	110
SANY America	SCA1350A	135@4.6	2.1@78	100	16/76	31	21.5	150
SANY America	SCA2600A	272.2@5	1.9@84	125	20/92	42	16.67	300
SANY America	SCA4000A	400@6	14@108	160	24/123	81	16.1	440

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity US Tons
		Load @ 3m (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/ Maximum (m/m)	Main Boom Extension (m)	Travel Speed (m/min)	
Tadano	CC 24.400-1	400	2.8 @ 138	168	24 / 126	84	33.33	440
Tadano	CC 28.600-2	600	4.2 @ 150	192	24/138	96	20	660
Tadano	CC 28.600-1	600	4@142	192	24 / 138	96	20	660
Tadano	CC 38.650-1	650	4.5 @ 162	192	24 / 171	96	18.33	715
Tadano	PC 38.650-1	650	4.4 @ 165	192	24/ 171	96	on outriggers	715
Tadano	CC 68.1250-1	1250	5.4 @ 170	204	30 / 156	108	18.33	1,375
Tadano	CC 88.1600-1	1600	14.0@174	240	54 / 156	120	13.33	1,760
Tadano	CC 88.3200-1	3200	123@129	234	54 / 156	117	13.33	3,520
Zoomlion	ZCC1100	100@3.2	1.5@55	67	13/67	18	21	110
Zoomlion	ZCC2600	260@5	2.4@92	95	20/83	60	16.67	286

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity US Tons
		Load @ 3m (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/ Maximum (m/m)	Main Boom Extension (m)	Travel Speed (m/min)	
Liebherr	HS 8040.1	40	1.2@36	45	18,568	50	30.8	44
Liebherr	HS 8070.1	70	1.1@46	54	20,760	56	25	77
Kobelco	CK800G-3	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80
Link-Belt Cranes	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Kobelco	CK850G-3	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Kobelco	CK1100G-3	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110
Liebherr	LR 1100.1	100	2.1@62	98	14/62	62	25	110
Liebherr	HS 8100.1	100	1@52	60	14/59	62	22.33	110
Link-Belt Cranes	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
SANY America	SCA1000A	100@3.8	1.3@58	73	13/64	22.5	32.2	110
Zoomlion	ZCC1100	100@3.2	1.5@55	67	13/67	18	21	110
Kobelco	CK1200G-3	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1200G-3 HDO	109 @ 3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Liebherr	LR 1110	115.5	2.5@65	105.9	14/71	71	22.5	127
Link-Belt Cranes	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Liebherr	HS 8130.1	130	0.5@50	72	14/53	74	21.66	143
Link-Belt Cranes	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150
SANY America	SCA1350A	135@4.6	2.1@78	100	16/76	31	21.5	150
Liebherr	LR 1130.1	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Liebherr	LR 1130.1 unplugged	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Kobelco	CK1600G-3	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Manitowoc	MLC150-1	150	1.3 @ 66.5	78.9	15/78	24.4	35	165
Liebherr	LR 1160.1	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	177
Liebherr	LR 1160.1 unplugged	160@3.9m	2.8@85.1	130	20.0/87.6	104.9	25	177
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	24.4	51.7	181
Kobelco	CK2000G-3	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Link-Belt Cranes	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Liebherr	HS 8200	200@4.8	2.6@67	n/s	20/68	n/s	21.7	220
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
Link-Belt Cranes	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Liebherr	LR 1200.1	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	242
Liebherr	LR 1200.1 unplugged	220@4.1m	2.3@96	143	20.0/89.1	117	26.6	242
Kobelco	CK2750G-3	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity
		Load @ 3m	Maximum		Minimum/	Main Boom	Travel Speed	
		(t)	Radius	Hook Height	Maximum	Extension (m)	(m/min)	US Tons
			(t@m)	(m)	(m/m)			
Liebherr	LR 1250.1	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275
Liebherr	LR 1250.1 unplugged	250@4.1m	2.3@96	143	20.0/86.1	117	26.6	275
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Manitowoc	MLC250	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Zoomlion	ZCC2600	260@5	2.4@92	95	20/83	60	16.67	286
Link-Belt Cranes	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
SANY America	SCA2600A	272.2@5	1.9@84	125	20/92	42	16.67	300
Liebherr	HS 8300.2	300	2.9@60	72	20/68	68	25	323
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Liebherr	LR 1300.1 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	331
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400
Liebherr	LR 1400 SX	400@4.9	n/s	172.6	20/95	113	n/s	440
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
SANY America	SCA4000A	400@6	14@108	160	24/123	81	16.1	440
Tadano	CC 24.400-1	400	2.8 @ 138	168	24 / 126	84	33.33	440
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Liebherr	LR 1500	500@7.5m	3.3@144	164	36/132	84	25	550
Tadano	CC 28.600-2	600	4.2 @ 150	192	24/138	96	20	660
Tadano	CC 28.600-1	600	4@142	192	24 / 138	96	20	660
Tadano	CC 38.650-1	650	4.5 @ 162	192	24 / 171	96	18.33	715
Tadano	PC 38.650-1	650	4.4 @ 165	192	24/ 171	96	on outriggers	715
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716
Liebherr	LR 1700-1.0	700@8.5m	9.2@160	196	24/165	96	20	770
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850
Liebherr	LR 1800-1.0	800@9m	7.1@164	202	36/180	102	25	880
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100
Liebherr	LR 11000	1000@11m	6.1@180	220	18/168	114	23.5	1,200
Tadano	CC 68.1250-1	1250	5.4 @ 170	204	30 / 156	108	18.33	1,375
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Liebherr	LR 11350	1350@12m	30.6@140	220	30/150	84	18	1,500
Tadano	CC 88.1600-1	1600	14.0@174	240	54 / 156	120	13.33	1,760
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600
Liebherr	LR 12500-1.0	2500@10m	n/s	200	60/156	108	n/s	2,750
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000
Liebherr	LR 13000	3000@12m	29@200	236	60/144	126	n/s	3,300
Tadano	CC 88.3200-1	3200	123@129	234	54 / 156	117	13.33	3,520

TELESCOPIC CRAWLERS BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity
		Load @ 3m	Maximum		Minimum/	Main Boom	Travel Speed	
		(t)	Radius	Hook Height	Maximum	Extension	(m/min)	US Tons
			(t@m)	(m)	(m/m)			
Grove	GHC30	30@2.5m	0.8 @ 30	40.2	10/25.2	13	50	30
Grove	GHC75	70@2m	0.7 @ 44	52.7	11.0/36	15	45	75
Grove	GHC50	45	0.8 @ 36	45.4	9.4/30.4	13	41.5	50
Grove	GHC55	50@2m	0.8 @ 36	45.4	9.4/30.4	13	41.5	55
Grove	GHC85	85	0.6 @ 50	60.7	11.0/42.0	15	41.5	85
Grove	GHC110	100	0.9 @ 56	64	12.3/46.8	15	41.5	110
Grove	GHC130	120@2.5m	1.0 @ 62	70	12.6/40.2	27	41.5	132
Grove	GHC140	127	1.1 @ 64	70	12.3/52.2	15	41.5	140

TELESCOPIC CRAWLERS BY MANUFACTURER

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity US Tons
		Load @ 3m (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/ Maximum (m/m)	Main Boom Extension (m)	Travel Speed (m/min)	
Liebherr	LTR 1060	60	0.5@50	55	10.2/40.0	16	50	65
Liebherr	LTR 1220	220	0.8@88	101	13.3/60.0	43	41.6	250
Liebherr	LTR 1040	42.3	0.5@38	55	10.2/40	16	50	50
Liebherr	LTR 1100	100	0.9@60	83	11.5/52.0	19	46.6	110
Link-Belt Cranes	TCC-550	46.8	0.4@46	49.5	11.2/35.1	15.6	53.3	55
Link-Belt Cranes	TCC-800	80	1.9@34	54.3	11.8/36.6	17.7	35	80
Link-Belt Cranes	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	120
Link-Belt Cranes	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140
Link-Belt Cranes	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250
Maeda	CC1485	n/s	16.1	22	n/s		n/s	6.61
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Manitex Valla	90 TRX	9 t	4,138 lbs @ 18 ft	28 ft	n/s	n/s	53.3	9.9
SANY America	SCA900TB	90@3	1.8@36	64	12.2/47	17.5	42.9	90
Tadano	GTC-2000	156	1.2 @ 62	85	12.9/60	23	38.3	172
Tadano	GTC-1600	110.6	1.0 @ 64	92	13.1/61	32	42.9	160
Tadano	GTC-350	35	0.3 @ 38	38.9	10.9/27.2	12.8	64.3	35
Tadano	GTC-550	46	0.2 @ 44	49.1	11.0/34.7	15.2	48.3	55
Tadano	GTC-700	63	1.0 @ 47	53.7	11.5/36	17.7	61.7	70
Tadano	GTC-900	82	0.4 @ 58	60.4	11.5/43	17.7	56.3	90
Tadano	GTC-1300	120	1.3 @ 60	79	12.8/47.2	32	37.6	130

TELESCOPIC CRAWLERS BY CAPACITY

Manufacturer	Model	Maximum	Load at	Maximum	Boom Length	Maximum	Maximum	Capacity US Tons
		Load @ 3m (t)	Maximum Radius (t@m)	Hook Height (m)	Minimum/ Maximum (m/m)	Main Boom Extension (m)	Travel Speed (m/min)	
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Maeda	CC1485	n/s	16.1	22	n/s		n/s	6.61
Manitex Valla	90 TRX	9 t	4,138 lbs @ 18 ft	28 ft	n/s	n/s	53.3	9.9
Grove	GHC30	30@2.5m	0.8 @ 30	40.2	10/25.2	13	50	30
Tadano	GTC-350	35	0.3 @ 38	38.9	10.9/27.2	12.8	64.3	35
Grove	GHC50	45	0.8 @ 36	45.4	9.4/30.4	13	41.5	50
Liebherr	LTR 1040	42.3	0.5@38	55	10.2/40	16	50	50
Grove	GHC55	50@2m	0.8 @ 36	45.4	9.4/30.4	13	41.5	55
Link-Belt Cranes	TCC-550	46.8	0.4@46	49.5	11.2/35.1	15.6	53.3	55
Tadano	GTC-550	46	0.2 @ 44	49.1	11.0/34.7	15.2	48.3	55
Liebherr	LTR 1060	60	0.5@50	55	10.2/40.0	16	50	65
Tadano	GTC-700	63	1.0 @ 47	53.7	11.5/36	17.7	61.7	70
Grove	GHC75	70@2m	0.7 @ 44	52.7	11.0/36	15	45	75
Link-Belt Cranes	TCC-800	80	1.9@34	54.3	11.8/36.6	17.7	35	80
Grove	GHC85	85	0.6 @ 50	60.7	11.0/42.0	15	41.5	85
SANY America	SCA900TB	90@3	1.8@36	64	12.2/47	17.5	42.9	90
Tadano	GTC-900	82	0.4 @ 58	60.4	11.5/43	17.7	56.3	90
Grove	GHC110	100	0.9 @ 56	64	12.3/46.8	15	41.5	110
Liebherr	LTR 1100	100	0.9@60	83	11.5/52.0	19	46.6	110
Link-Belt Cranes	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	120
Tadano	GTC-1300	120	1.3 @ 60	79	12.8/47.2	32	37.6	130
Grove	GHC130	120@2.5m	1.0 @ 62	70	12.6/40.2	27	41.5	132
Grove	GHC140	127	1.1 @ 64	70	12.3/52.2	15	41.5	140
Link-Belt Cranes	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140
Tadano	GTC-1600	110.6	1.0 @ 64	92	13.1/61	32	42.9	160
Tadano	GTC-2000	156	1.2 @ 62	85	12.9/60	23	38.3	172
Liebherr	LTR 1220	220	0.8@88	101	13.3/60.0	43	41.6	250
Link-Belt Cranes	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250

MEGA CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Load (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Capacity Metric tons	Capacity US Tons
Bigge Crane and Rigging	Bigge145D	6,820	390t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500
Bigge Crane and Rigging	Bigge160D	6,820	545t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500
Deep South	VersaCrane TC 36000/2	2,721	1,044t @ 55M	228 M	88.3M Min./ 228M Max.	2,721	3,000
Lampson	LTL-2600	2,358	208 @ 140.2	142.3	67.0/140.2	2,358	2,600
Lampson	LTL-3000	2,721	279 @ 140.2	142.3	67.0/140.2	2,680	3,000
Liebherr	LR 13000	3,000	29@200	236	60/144	3,000	3,300
Mammoet	MSG80-DS	3,100	230t @ 120m	142m	50m/142m	3,100	3,420
Mammoet	PTC150-DS	4,500	265t @ 180m	208m	83m/206m	4,500	5,000
Mammoet	PTC210-DS	4,500	305t @ 200m	248m	83m/246m	4,500	5,000
Mammoet	SK190	4,300	245t @ 196m	213m	89m/242m	4,300	4,740
Mammoet	SK350	5,000	355t @ 225m	231m	89m/242m	5,000	5,511
Mammoet	SK6,000	6,100	705t @ 203m	183m	131m/175m	6,100	6,725
Manitowoc	31000	2,300	80.1 @ 130	154.6	55/150	2,300	2,535
Sarens	SGC-90	1,550	405 @ 120	170m (w/jib)	120/180	1,550	1,708
Sarens	SGC-140	3,200	200t @ 200	212m (w/ Jib)	89/230	3,200	3,465
Sarens	SGC-120	3,200	150t @ 200	212m (w/ Jib)	89/230	3,200	3,465
Sarens	SGC-250	5,000	@ 250	250m (w/ Jib)	118/260	5,000	5,511
Tadano	CC 88.3200-1	3,200	123@ 129	222	54 / 234	3,197	3,525

MEGA CRANES BY CAPACITY

Manufacturer	Model	Maximum Load (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Capacity Metric tons	Capacity US Tons
Sarens	SGC-90	1,550	405 @ 120	170m (w/jib)	120/180	1,550	1,708
Manitowoc	31000	2,300	80.1 @ 130	154.6	55/150	2,300	2,535
Lampson	LTL-2600	2,358	208 @ 140.2	142.3	67.0/140.2	2,358	2,600
Deep South	VersaCrane TC 36000/2	2,721	1,044t @ 55M	228 M	88.3M Min./ 228M Max.	2,721	3,000
Lampson	LTL-3000	2,721	279 @ 140.2	142.3	67.0/140.2	2,680	3,000
Liebherr	LR 13000	3,000	29@200	236	60/144	3,000	3,300
Mammoet	MSG80-DS	3,100	230t @ 120m	142m	50m/142m	3,100	3,420
Sarens	SGC-140	3,200	200t @ 200	212m (w/ Jib)	89/230	3,200	3,465
Sarens	SGC-120	3,200	150t @ 200	212m (w/ Jib)	89/230	3,200	3,465
Tadano	CC 88.3200-1	3,200	123@ 129	222	54 / 234	3,197	3,525
Mammoet	SK190	4,300	245t @ 196m	213m	89m/242m	4,300	4,740
Mammoet	PTC150-DS	4,500	265t @ 180m	208m	83m/206m	4,500	5,000
Mammoet	PTC210-DS	4,500	305t @ 200m	248m	83m/246m	4,500	5,000
Mammoet	SK350	5,000	355t @ 225m	231m	89m/242m	5,000	5,511
Sarens	SGC-250	5,000	@ 250	250m (w/ Jib)	118/260	5,000	5,511
Mammoet	SK6,000	6,100	705t @ 203m	183m	131m/175m	6,100	6,725
Bigge Crane and Rigging	Bigge145D	6,820	390t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500
Bigge Crane and Rigging	Bigge160D	6,820	545t @ 203	220m (with fixed jib)	91m minimum	6,820	7,500

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
COMANSA	LCL165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	87
COMANSA	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	87
COMANSA	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	87
COMANSA	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	87
COMANSA	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	87
COMANSA	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	87
COMANSA	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	87
COMANSA	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	87

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
COMANSA	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	204	0	53.2	87
COMANSA	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	204	0	59	87
COMANSA	LCL 500 24t	24	24 @ 20	4.7 @ 65	470	30 to 65	180	0	68.3	87
COMANSA	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	87
COMANSA	LCL 700 50t	50	50 @ 20	7.5 @ 65	1270	30 to 65	169	0	69.8	87
COMANSA	LCL 700 64t	64	64 @ 15	7.2 @ 65	1015	30 to 65	129	0	69.8	87
COMANSA	LCH 300 16t	16	16 @ 21.2	3.4 @ 60	350	30 to 60	164	0	57.2	86
ENG	EDL90	8	8.0@22.2	1.65@44.5	208	12.1	163	4	61.6	87
ENG	ETL 113	8	8.0@25.5	1.68@51.0	313	28	165	4	50.3	85
ENG	EDL120	10	10.0@23.7	2.34@50.4	208	18	131	5	58.7	87
ENG	EDL182	12	12.0@21.5	2.34@55.4	208	23	131	5	58.7	87
ENG	ETL 183	14	14.0@25.0	2.36@56.0	402	28	133	4	64.5	85
ENG	ETL 253	20	20.0@24.5	3.35@60.0	558	29	215	5	67.5	85
ENG	ETL 273	25	25.0@21.0	3.32@60.0	564	29	159	3	68.7	85
Favelle Favco	M220D	32	32@10	3.0@53	n/s	27/55	210	n/s	56	85
Favelle Favco	M380F	32	32@15	3.0@63	n/s	36/64	250	n/s	56	85
Favelle Favco	M440D	50	50@13	2.7@65	n/s	36/69	158	n/s	56	85
Favelle Favco	MK440E	50	50@13	2.7@65	n/s	32/69	160	n/s	56	85
Favelle Favco	M760D	64	64@15	4.0@70	n/s	36/73	122	n/s	56	85
Favelle Favco	MK760E	64	64@12	4.0@70	n/s	36/73	150	n/s	56	85
Favelle Favco	M900F	64	64@15	7.5@72	n/s	36/73	111	n/s	56	85
Favelle Favco	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	85
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	16	75.3	n/s
Jaso	J118HPA (Hydraulic luffing crane)	6	6.0@25.1	1.6@45	452	30	80	14	68	n/s
Jaso	J168HPA (Hydraulic luffing crane)	6	6.0@30.0	2.5@50	434	30	80	14	70.1	n/s
Jaso	J198HPA (Hydraulic luffing crane)	18	18.0@13.7	1.8@55	588	30	227	12	70.1	n/s
Jaso	J80PA.RC	8	8.0@14.2	2.75@30.5	800	25.5	76	19	na	n/s
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	15	66.3	n/s
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	15	67.3	n/s
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Jaso	J480PA	36	36@20.3	3.8@65	874	30	218	9	74.3	n/s
Jaso	J780PA.60	60	60@20.7	6.0@70	796	30	160	10	86.1	n/s
Jaso	J780PA.64	64	64@18.9	6.0@70	912	30	188	11	86.1	n/s
Jaso	J780PA	75	75@16.8	5.7@70	1007	30	310	8	86.1	n/s
Jost Cranes	JTL 68.4s	4	4t @ 20m	2t @ 35m	n/s	25	124	15	100	87
Jost Cranes	JTL 68.4	4	4t @ 20m	1.5t @ 40m	n/s	25	124	15	100	87
Jost Cranes	JTL 78.4	4	4t @ 22m	1.6t @ 40m	n/s	25	200	33	100	87
Jost Cranes	JTL 98.4	4	4t @ 22m	1.5t @ 45m	n/s	30	200	33	100	87
Jost Cranes	JTL 78.6	6	6t @ 14.6m	1.5t @ 40m	n/s	25	184	17	100	87
Jost Cranes	JTL 98.6	6	6t @ 15m	1.4t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 108.6	6	6t @ 20m	1.6t @ 45m	n/s	30	124	11	100	87
Jost Cranes	JTL 118.6	6	6t @ 20m	1.8t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 158.6	6	6t @ 27m	2.4t @ 50m	n/s	27.3	124	11	100	87
Jost Cranes	JTL 118.8	8	8t @ 15.9 m	1.7t @ 45m	n/s	30	188	21	100	87
Jost Cranes	JTL 168.8	8	8t @ 21.7m	2.0t @ 50m	n/s	27.3	188	21	100	87
Jost Cranes	JTL 168.10	10	10t @ 17.3m	2.3t @ 50m	n/s	27.3	158	20	100	87
Jost Cranes	JTL 208.12	12	12t @ 19.7m	2.6t @ 55m	n/s	30	110	12	100	87
Jost Cranes	JTL 218.12	12	12t @ 19.4m	3.3t @ 50m	n/s	30	188	12	100	87
Jost Cranes	JTL 268.12	12	12t @ 23m	3.4t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JTL 318.12	12	12t @ 25m	4.5t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JL 226.12	12	12t @ 20.4m	2.2t @ 60m	n/s	30	188	15	100	87

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Jost Cranes	JL 266.12	12	12t @ 20.4m	3.1t @ 60m	n/s	30	188	15	100	87
Jost Cranes	JTL 268.16	16	16t @ 17.5m	3.3t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JTL 318.16	16	16t @ 20m	4.4t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JL 226.16	16	16t @ 15.4m	2.1t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 256.16	16	16t @ 18.5m	3.1t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 266.16	16	16t @ 18.3m	3.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 316.16	16	16t @ 22.1m	4.0t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 326.16	16	16t @ 22m	4.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 366.16	16	16t @ 25.3m	4.4t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 326.20	20	20t @ 17.7m	3.9t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 366.20	20	20t @ 20.3m	4.3t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 426.20	20	20t @ 24.2m	5.5t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 526.20	20	20t @ 29m	5.3t @ 65m	n/s	30	154	16	100	87
Jost Cranes	JL 416.24	24	24t @ 20.3m	5.1t @ 60m	n/s	30	130	16	100	87
Jost Cranes	JL 426.24	24	24t @ 20.1m	5.3t @ 60m	n/s	30	172	15	100	87
Jost Cranes	JL 526.24	24	24t @ 24m	5.1t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 626.24	24	24t @ 30m	7.0t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 616.32	32	32t @ 23.2m	9.1t @ 60m	n/s	30	134	17	100	87
Jost Cranes	JL 626.32	32	32t @ 22.6m	6.8t @ 65m	n/s	30	188	21	100	87
Liebherr	190 HC-L 8/16 Litronic	16	16@18.2	2.5@55.0	892	30 to 55	363	0	60.3	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	85.1	n/s
Liebherr	258 HC-L 10/18 Fibre	18	18@19.3	2.5@60	755	30 to 65	265	0	85.1	n/s
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.8	n/s
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	79.3	n/s
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.6	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	213	0	64.8	n/s
Liebherr	710 HC-L 32/64 Litronic	64	64@16.4	7.2@65.0	1067	30 to 65	194	0	74.8	n/s
Liebherr	710 HC-L 32/64 Litronic Fly-Jib	64	64@15.7	7.0@63.1	1067	30 to 65	194	0	74.8	n/s
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
Potain	MRH 175	10	10 @ 22.5	1.5 @ 55	n/s	30	215.5	n/s	54.5	87
Potain	MR 160 C	11	10@22	2.4@50	n/s	30	215.5	n/s	57.5	86
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	198.5	n/s	55.9	86
Potain	MR 229	14	14 @20.5	2.7 @55	n/s	30	207	n/s	55.9	86
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	195	n/s	64.5	86
Potain	MR 418 A	24	24@20	5@60	n/s	30	254	n/s	82.3	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	64.5	86
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.3	86
Potain	MR 618	32	32@21.8	8.25@60	n/s	30	216	n/s	72.3	85
Potain	MR 295 H16	16	16 @ 23.4	2.8 @ 60	n/s	30	167	n/s	64.5	86
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84.4	85
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
Stafford Soima	SGT 4015 LTL	4	4 @ 20	1,5 @ 40	n/s	25/40	75	0	n/s	n/s
Stafford Soima	SGT 6220 LTL	16	16 @ 20	2 @ 62	n/s	32/62	135	0	n/s	n/s
Terex	CTL 140-10	10	10@18.3	1,7@50	425	30/50	120	0	50.35	85
Terex	CTLH-192-12	12	12@23.15	2.1@55	560	25/55	252	0	84.4	86.3
Terex	CDK 100-16	16	16@9.56	3,2@30.3	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2@55	425	30/55	145	0	84.4	85
Terex	CTL 260-18	18	18@18.7	3,1@55	470	30/55	130	0	84.4	85
Terex	CTL 272-18	18	18@18	2,91@61	920	30/61	230	0	84.4	85
Terex	CTL 282-18	18	18@18	3,02@60	460	30/60	130	0	84.4	85
Terex	CTL 340-24	24	24@15.8	4@60	515	35/60	130	0	78.4	85
Terex	CTL 430-24	24	24@21.3	5,5@60	515	35/60	160	0	78.4	85

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Terex	CTL 630B-32	32	32@23.2	6.7@65	495	35/65	202	0	76	85
Terex	CTL 650F-45	45	45@15.5	7@65	910	35/65	277	0	76	85
Terex	CTL 1600-66	66	66@27.6	16@75	960	40/75	185	0	89	85
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	87
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	87
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	87
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	87
Wilbert	WT 2705L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	87
WOLFFKRAN	WOLFF 166 B (US)	12	12@23	2.0@55	500	25/55	174	25	125.6	86
WOLFFKRAN	WOLFF 235 B (US)	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2	83
WOLFFKRAN	WOLFF 275 B (US)	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
WOLFFKRAN	WOLFF 355 B (US)	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6	85
WOLFFKRAN	WOLFF 630 B (US)	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	84
WOLFFKRAN	WOLFF 700 B (US)	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
WOLFFKRAN	WOLFF 1250 B (US)	60	60@28.2	12.1@80.0	990	40/80	190	11	95	84

LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Jost Cranes	JTL 68.4s	4	4t @ 20m	2t @ 35m	n/s	25	124	15	100	87
Jost Cranes	JTL 68.4	4	4t @ 20m	1.5t @ 40m	n/s	25	124	15	100	87
Jost Cranes	JTL 78.4	4	4t @ 22m	1.6t @ 40m	n/s	25	200	33	100	87
Jost Cranes	JTL 98.4	4	4t @ 22m	1.5t @ 45m	n/s	30	200	33	100	87
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Stafford Soima	SGT 4015 LTL	4	4 @ 20	1.5 @ 40	n/s	25/40	75	0	n/s	n/s
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	16	75.3	n/s
Jaso	J118HPA (Hydraulic luffing crane)	6	6.0@25.1	1.6@45	452	30	80	14	68	n/s
Jaso	J168HPA (Hydraulic luffing crane)	6	6.0@30.0	2.5@50	434	30	80	14	70.1	n/s
Jost Cranes	JTL 78.6	6	6t @ 14.6m	1.5t @ 40m	n/s	25	184	17	100	87
Jost Cranes	JTL 98.6	6	6t @ 15m	1.4t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 108.6	6	6t @ 20m	1.6t @ 45m	n/s	30	124	11	100	87
Jost Cranes	JTL 118.6	6	6t @ 20m	1.8t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 158.6	6	6t @ 27m	2.4t @ 50m	n/s	27.3	124	11	100	87
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
COMANSA	LCL165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	87
ENG	EDL90	8	8.0@22.2	1.65@44.5	208	12.1	163	4	61.6	87
ENG	ETL 113	8	8.0@25.5	1.68@51.0	313	28	165	4	50.3	85
Jaso	J80PA.RC	8	8.0@14.2	2.75@30.5	800	25.5	76	19	na	n/s
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	15	66.3	n/s
Jost Cranes	JTL 118.8	8	8t @ 15.9 m	1.7t @ 45m	n/s	30	188	21	100	87
Jost Cranes	JTL 168.8	8	8t @ 21.7m	2.0t @ 50m	n/s	27.3	188	21	100	87
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
ENG	EDL120	10	10.0@23.7	2.34@50.4	208	18	131	5	58.7	87
Jost Cranes	JTL 168.10	10	10t @ 17.3m	2.3t @ 50m	n/s	27.3	158	20	100	87

LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Potain	MRH 175	10	10 @ 22.5	1.5 @ 55	n/s	30	215.5	n/s	54.5	87
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Terex	CTL 140-10	10	10@18.3	1.7@50	425	30/50	120	0	50.35	85
Potain	MR 160 C	11	10@22	2.4@50	n/s	30	215.5	n/s	57.5	86
COMANSA	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	87
COMANSA	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	87
COMANSA	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	87
COMANSA	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	87
ENG	EDL182	12	12.0@21.5	2.34@55.4	208	23	131	5	58.7	87
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	15	67.3	n/s
Jost Cranes	JTL 208.12	12	12t @ 19.7m	2.6t @ 55m	n/s	30	110	12	100	87
Jost Cranes	JTL 218.12	12	12t @ 19.4m	3.3t @ 50m	n/s	30	188	12	100	87
Jost Cranes	JTL 268.12	12	12t @ 23m	3.4t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JTL 318.12	12	12t @ 25m	4.5t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JL 226.12	12	12t @ 20.4m	2.2t @ 60m	n/s	30	188	15	100	87
Jost Cranes	JL 266.12	12	12t @ 20.4m	3.1t @ 60m	n/s	30	188	15	100	87
Terex	CTLH-192-12	12	12@23.15	2.1@55	560	25/55	252	0	84.4	86.3
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	87
WOLFFKRAN	WOLFF 166 B (US)	12	12@23	2.0@55	500	25/55	174	25	125.6	86
ENG	ETL 183	14	14.0@25.0	2.36@56.0	402	28	133	4	64.5	85
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	198.5	n/s	55.9	86
Potain	MR 229	14	14 @20.5	2.7 @55	n/s	30	207	n/s	55.9	86
COMANSA	LCH 300 16t	16	16 @ 21.2	3.4 @ 60	350	30 to 60	164	0	57.2	86
Jost Cranes	JTL 268.16	16	16t @ 17.5m	3.3t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JTL 318.16	16	16t @ 20m	4.4t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JL 226.16	16	16t @ 15.4m	2.1t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 256.16	16	16t @ 18.5m	3.1t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 266.16	16	16t @ 18.3m	3.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 316.16	16	16t @ 22.1m	4.0t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 326.16	16	16t @ 22m	4.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 366.16	16	16t @ 25.3m	4.4t @ 60m	n/s	30	146	21	100	87
Liebherr	190 HC-L 8/16 Litronic	16	16@18.2	2.5@55.0	892	30 to 55	363	0	60.3	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	85.1	n/s
Potain	MR 295 H16	16	16 @ 23.4	2.8 @ 60	n/s	30	167	n/s	64.5	86
Stafford Soima	SGT 6220 LTL	16	16 @ 20	2 @ 62	n/s	32/62	135	0	n/s	n/s
Terex	CDK 100-16	16	16@9.56	3.2@30.3	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2@55	425	30/55	145	0	84.4	85
WOLFFKRAN	WOLFF 235 B (US)	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2	83
COMANSA	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	87
COMANSA	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	87
COMANSA	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	87
Jaso	J198HPA (Hydraulic luffing crane)	18	18.0@13.7	1.8@55	588	30	227	12	70.1	n/s
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Liebherr	258 HC-L 10/18 Fibre	18	18@19.3	2.5@60	755	30 to 65	265	0	85.1	n/s
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Terex	CTL 260-18	18	18@18.7	3.1@55	470	30/55	130	0	84.4	85
Terex	CTL 272-18	18	18@18	2.91@61	920	30/61	230	0	84.4	85
Terex	CTL 282-18	18	18@18	3.02@60	460	30/60	130	0	84.4	85
ENG	ETL 253	20	20.0@24.5	3.35@60.0	558	29	215	5	67.5	85
Jost Cranes	JL 326.20	20	20t @ 17.7m	3.9t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 366.20	20	20t @ 20.3m	4.3t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 426.20	20	20t @ 24.2m	5.5t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 526.20	20	20t @ 29m	5.3t @ 65m	n/s	30	154	16	100	87
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	195	n/s	64.5	86
COMANSA	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	204	0	53.2	87
COMANSA	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	204	0	59	87

LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
COMANSA	LCL 500 24t	24	24 @ 20	4.7 @ 65	470	30 to 65	180	0	68.3	87
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jost Cranes	JL 416.24	24	24t @ 20.3m	5.1t @ 60m	n/s	30	130	16	100	87
Jost Cranes	JL 426.24	24	24t @ 20.1m	5.3t @ 60m	n/s	30	172	15	100	87
Jost Cranes	JL 526.24	24	24t @ 24m	5.1t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 626.24	24	24t @ 30m	7.0t @ 65m	n/s	30	172	15	100	87
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.8	n/s
Potain	MR 418 A	24	24@20	5@60	n/s	30	254	n/s	82.3	86
Potain	MR 298	24	24 @ 16.8	2.4 @60	n/s	30	210	n/s	64.5	86
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84.4	85
Terex	CTL 340-24	24	24@15.8	4@60	515	35/60	130	0	78.4	85
Terex	CTL 430-24	24	24@21.3	5.5@60	515	35/60	160	0	78.4	85
WOLFFKRAN	WOLFF 275 B (US)	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
ENG	ETL 273	25	25.0@21.0	3.32@60.0	564	29	159	3	68.7	85
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	79.3	n/s
WOLFFKRAN	WOLFF 355 B (US)	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6	85
COMANSA	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	87
Favelle Favco	M220D	32	32@10	3.0@53	n/s	27/55	210	n/s	56	85
Favelle Favco	M380F	32	32@15	3.0@63	n/s	36/64	250	n/s	56	85
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jost Cranes	JL 616.32	32	32t @ 23.2m	9.1t @ 60m	n/s	30	134	17	100	87
Jost Cranes	JL 626.32	32	32t @ 22.6m	6.8t @ 65m	n/s	30	188	21	100	87
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.6	n/s
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.3	86
Potain	MR 618	32	32@21.8	8.25@60	n/s	30	216	n/s	72.3	85
Terex	CTL 630B-32	32	32@23.2	6.7@65	495	35/65	202	0	76	85
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6.7@61.5	900	12	200	n/s	160	87
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Jaso	J480PA	36	36@20.3	3.8@65	874	30	218	9	74.3	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	213	0	64.8	n/s
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
WOLFFKRAN	WOLFF 630 B (US)	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	84
Terex	CTL 650F-45	45	45@15.5	7@65	910	35/65	277	0	76	85
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	87
COMANSA	LCL 700 50t	50	50 @ 20	7.5 @ 65	1270	30 to 65	169	0	69.8	87
Favelle Favco	M440D	50	50@13	2.7@65	n/s	36/69	158	n/s	56	85
Favelle Favco	MK440E	50	50@13	2.7@65	n/s	32/69	160	n/s	56	85
WOLFFKRAN	WOLFF 700 B (US)	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
Jaso	J780PA.60	60	60@20.7	6.0@70	796	30	160	10	86.1	n/s
WOLFFKRAN	WOLFF 1250 B (US)	60	60@28.2	12.1@80.0	990	40/80	190	11	95	84
COMANSA	LCL 700 64t	64	64 @ 15	7.2 @ 65	1015	30 to 65	129	0	69.8	87
Favelle Favco	M760D	64	64@15	4.0@70	n/s	36/73	122	n/s	56	85
Favelle Favco	MK760E	64	64@12	4.0@70	n/s	36/73	150	n/s	56	85
Favelle Favco	M900F	64	64@15	7.5@72	n/s	36/73	111	n/s	56	85
Jaso	J780PA.64	64	64@18.9	6.0@70	912	30	188	11	86.1	n/s
Liebherr	710 HC-L 32/64 Litronic	64	64@16.4	7.2@65.0	1067	30 to 65	194	0	74.8	n/s
Liebherr	710 HC-L 32/64 Litronic Fly-Jib	64	64@15.7	7.0@63.1	1067	30 to 65	194	0	74.8	n/s
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	87
Terex	CTL 1600-66	66	66@27.6	16@75	960	40/75	185	0	89	85
Jaso	J780PA	75	75@16.8	5.7@70	1007	30	310	8	86.1	n/s
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	87
Wilbert	WT 2705L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	87
Favelle Favco	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	85

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
COMANSA	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
COMANSA	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
COMANSA	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
COMANSA	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
COMANSA	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
COMANSA	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
COMANSA	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
COMANSA	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
COMANSA	11LC150 6t	6	6 @ 19.4	1.7 @ 60	580	30 / 60	310	0	103.3
COMANSA	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	310	0	103.3
COMANSA	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	310	0	103.3
COMANSA	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	194	0	104.8
COMANSA	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1
COMANSA	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	330	0	102.1
COMANSA	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9
COMANSA	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	290	0	98.9
COMANSA	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	290	0	110.8
COMANSA	21LC600 20t	20	20 @ 33.5	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC650 20t	20	20 @ 37.8	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC600 25t	25	25 @ 26.3	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC650 25t	25	25 @ 29.4	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	290	0	110.7
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC660 25t	25	25 @ 30	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 25t	25	25 @ 38.9	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC450 25t	25	25 @ 19.1	2.8 @ 80	785	40 / 80	202	0	109.3
COMANSA	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	202	0	103.7
COMANSA	21LC1050 25t	25	25 @ 46.6	11.8 @ 80	393	30 / 80	300	0	98.2
COMANSA	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 32t	32	32 @ 50.5	16 @ 80	363	40 / 80	259	0	102.8
COMANSA	21LC660 37.5t	37.5	37.5 @ 20.5	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 37.5t	37.5	37.5 @ 26.4	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC1050 37.5t	37.5	37.5 @ 32.7	11.8 @ 80	393	30 / 80	300	0	98.2
COMANSA	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
COMANSA	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
COMANSA	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
COMANSA	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
COMANSA	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
COMANSA	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	363	40 / 80	130	0	108.3
COMANSA	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	363	40 / 80	130	0	102.8
COMANSA	21LC1400 66t	66	66 @ 26.5	9.6 @ 85	355	28.6 / 85	116	0	86.5
COMANSA	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
ENG	ETT90	5	5.0@19.1	1.35@51.0	205	18.0/51.0	82	3	42.5
ENG	ETT115	8	8.0@19.0	1.21@63.0	245	34.0/63.0	163	4	67.9
ENG	ETT145	10	10.0@18.1	1.30@65.0	252	38.0/65.0	131	5	62.5
ENG	ETT192	10	10.0@24.1	2.31@65.0	298	25.0/65.0	131	5	66
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
ENG	ETT450	24	24.0@23.2	3.30@80.0	398	30.0/80.0	173	4	90.7
ENG	ETT531	25	25.0@22.7	2.20@86.0	400	36.0/86.0	159	3	90.7

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5
Jaso	J4510	2.5	2.5@30	1@45	193	20/45	82	5	87.8
Jaso	J5010	2.5	2.5@35	1@50	193	20/50	82	5	87.8
Jaso	J5510	2.5	2.5@29.9	1@55	193	30@55	82	5	87.8
Jaso	J37NS	4	4.0@11.5	1.0@37.0	189	20.0/37.0	82	3	87.6
Jaso	J46NS	4	4.0@18.8	0.9@47.0	189	20.0/47.0	100	4	88.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	12.5	82.4
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	12.5	82.9
Jaso	J160.10	10	10.0@17.0	1.7@65	534	30/65	80	12.3	83.2
Jaso	J185	10	10.0@17.6	2.0@65	534	30/65	80	12.5	83.1
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4
Jaso	J 200.10	10	10.0@22.1	2.0@67.5	534	30/67.5	90	12	82.7
Jaso	J 200.12	12	12.0@18.1	1.8@67.5	534	30/67.5	225	19	82.7
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4
Jaso	J 235.12	12	12.0@20.6	2.6@65	534	30/67.5	225	19	82.7
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	17.5	93.4
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	17.5	93.4
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145	13	90.7
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115	10	90.7
Jaso	J365	24	24.0@19.0	4.4@60	410	30/55	115	10	81.6
Jaso	J390	24	24.0@19.3	3.8@75	310	30/75	115	10	81.6
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	83.8
Jaso	J600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	80.8
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
Jaso	J 1400	64	64.0@24.3	10.5@80	456	25/80	94	9	69.3
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	149	0	47.8
Liebherr	125 EC-B 6	6	6.00@22.5	1.6@58	250	20 to 58	123	0	61.5
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Liebherr	205 EC-B 10	10	10.00@22.2	2.10@65.0	321	24.4 to 65.0	139	0	75.2
Liebherr	220 EC-B 10	10	10.00@23.5	2.25@68	321	24.4 to 68	139	0	75.2
Liebherr	240 EC-B 10 Fibre	10	10.00@23.9	2.5@68	277	24.4 to 68	143	0	75.2
Liebherr	220 EC-B 12	12	12.00@19.5	2.05@68	325	24.4 to 68	116	0	73.1
Liebherr	240 EC-B 12 Fibre	12	12.00@20.00	2.4@68	269	24.4 to 68	119	0	73.1
Liebherr	270 EC-B 12	12	12.00@26.3	2.1@73	325	24.4 to 73	267	0	94.6
Liebherr	300 EC-B 12 Fibre	12	12.00@27.1	2.55@73	269	24.4 to 73	272	0	94.6
Liebherr	340 EC-B 12	12	12.00@28	2.4@78	325	24.4 to 78	267	0	94.6
Liebherr	340 EC-B 16	16	16.00@21.0	2.1@78	276	24.4 to 78	192	0	94.6
Liebherr	370 EC-B 12 Fibre	12	12.00@31	2.8@78	269	24.4 to 78	272	0	94.6
Liebherr	370 EC-B 16 Fibre	16	16.00@22	2.5@78	194	24.4 to 78	199	0	94.6
Liebherr	470 EC-B 16	16	16.00@32	2.4@83	276	24.4 to 83	192	0	94.8
Liebherr	470 EC-B 20	20	20.00@25.5	2.2@83	368	24.4 to 83	149	0	94.8
Liebherr	520 EC-B 20 Fibre	20	20.00@26.6	2.9@83	378	24.4 to 83	158	0	94.8
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41.5 to 81.5	191	0	86.9
Liebherr	550 EC-H 40 Litronic	40	40.00@18.30	4.00@81.5	520	40 to 81.5	191	0	85.5
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81.4	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34.5 to 81.4	191	0	97.1
Liebherr	1188 EC-H 40 Fibre	40	40.00@28.9	9.10@91.4	378	34.5 to 91.4	158	0	97.1
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	38.8 to 81	191	0	79
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.4	334	36 to 81.4	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.1	11.00@81.4	334	34.5 to 81.4	154	0	94.2
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	38.8 to 81	154	0	79
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.4	441	48 to 81.4	105	0	91.8

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Liebherr	3150 HC 60	60	60.00@53.00	32.00@80.0	441	39.2 to 80	105	0	73.8
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	59.2 to 96	136	0	67.6
Potain	MDT 109	6	6@17.8	1.35@55	n/s	55	96	n/s	n/s
Potain	MDT 139	6	6@24.8	1.9@55	n/s	55	96	n/s	n/s
Potain	MDT159	6	6@ 25	1.75 @60	n/s	60	96	n/s	n/s
Potain	MDT 189	8	8@24.5	1.8@60	n/s	60	121	n/s	n/s
Potain	MDT 219 J8	8	8@29.2	1.95@65	n/s	65	121	n/s	n/s
Potain	MDT 219 J10	10	10@21.7	1.9@65	n/s	65	101	n/s	n/s
Potain	MDT 249 J10	10	10@24.6	2.75@65	n/s	65	215	n/s	n/s
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s	n/s
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s	n/s
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s	n/s
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s	n/s
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s	n/s
Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s	n/s
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s	n/s
Potain	MDT 349 L12	12	12 @ 30	3.2 @75	n/s	75	220	n/s	n/s
Potain	MDT 349 L16	16	16 @ 22.5	3 @ 75	n/s	75	204	n/s	n/s
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s	n/s
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	204	n/s	n/s
Potain	MDT 489 M20	20	20 @ 28.5	3.5 @ 80	n/s	80	195	n/s	n/s
Potain	MDT 489 M25	25	25 @ 23	3.5 @ 80	n/s	80	195	n/s	n/s
Potain	MDT 569 M20	20	20 @ 30	4.2t @ 80	n/s	80	195	n/s	n/s
Potain	MDT 569 M25	25	25 @ 25.2	4.2t @ 80	n/s	80	195	n/s	n/s
Potain	MDT 569 M32	32	32 @ 20.1	3.6 @ 80	n/s	80	151	n/s	n/s
Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s	n/s
Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s	n/s
Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s	n/s
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	195	n/s	n/s
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	195	n/s	n/s
Potain	MD 559	20	20 @ 30	4.7 @80	n/s	80	162	n/s	n/s
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	195	n/s	n/s
Potain	MD 689 M25	25	25 @ 28.8	6.7 @ 80	n/s	80	195	n/s	n/s
Potain	MD 689 M40	40	40 @ 18	6.0 @ 80	n/s	80	162	n/s	n/s
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	162	n/s	n/s
Potain	MD 1600	64	64@28.3	17.4@80	n/s	80	162	n/s	n/s
Potain	MD 2200	64	64@35	23.5@80	n/s	80	162	n/s	n/s
Potain	MD 3200	80	80@37	38.7@70	n/s	85	64	n/s	n/s
Potain	MCT 68	3	3@20	1.1@46	n/s	46	82	n/s	n/s
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	n/s
Raimondi Cranes S.p.A.	T97	6	6@20.82	1.71@50.5	n/s	18.0/50.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T107	6	6@23.09	1.47@55.0	n/s	20.0/55.0	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T127	6	6@25.68	1.69@57.5	n/s	20.0/57.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T137	6	6@29.40	1.49@60.0	n/s	25.0/60.0	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T147	8	8@24.05	1.49@62.5	n/s	20.0/62.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T167	8	8@24.48	1.61@62.5	n/s	20.0/62.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T187	8	8@28.52	1.65@67.5	n/s	25.0/67.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T187	10	10@23.44	1.61@67.5	n/s	25.0/67.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T207	10	10@27.24	2.34@67.5	n/s	25.0/67.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T247	12	12@27.38	1.71@72.5	n/s	35.0/72.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T307	14	14@26.49	1.82@77.5	n/s	35.0/77.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T357	16	16@26.49	2.53@77.5	n/s	30.0/77.5	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T387	18	18@27.54	2.89@80.0	n/s	35.0/80.0	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T427	20	20@29.23	3.52@80.0	n/s	25.0/80.0	n/s	n/s	n/s
Raimondi Cranes S.p.A.	T477	24	24@25.26	2.26@85.0	n/s	25.0/85.0	n/s	n/s	n/s
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7
Saez	TLS 55-17 6T	6	6@21.2	1.92@55	190	20/55	100	8	107.7
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104	n/s	114

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104	n/s	114
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104	n/s	114
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118	n/s	110
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119	n/s	100
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186	n/s	93.4
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138	n/s	93.4
Stafford Soima	SGT 5015TL	5	5 @ 18	1.65 @ 50	186	24/50	78	0	90
Stafford Soima	SGT 5030TL	8	8 @ 23	3.3 @ 50	209	28/50	101	0	81
Stafford Soima	SGT 5512TL	5	5 @ 18	1.38 @ 55	186	24/55	78	0	90
Stafford Soima	SGT 6020TL	8	8 @ 18	2.2 @ 60	209	28/60	94	0	81
Stafford Soima	SGT 6515TL	8	8 @ 18	1.65 @ 65	209	28/65	94	0	81
Stafford Soima	SGT 7018TL	10	10 @ 21	2 @ 70	209	26/70	118	0	72
Stafford Soima	SGT 7022TL	12	12 @ 18	2.4 @ 70	209	26/70	95	0	72
Stafford Soima	SGT 7030TL	16	16 @ 20	3.3 @ 70	204	28/70	106	0	66
Stafford Soima	SGT 8030TL	20	20 @ 18	3 @ 80	204	38/80	85	0	90
Stafford Soima	SGT 8041TL	32	32 @ 10	4.1 @ 80	204	43/77.5	155	0	90
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
Terex	CTT 222-10	10	10@25.00	2.58@65	265	25/65	110	0	76.7
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	91.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	68.6
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	91.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	75.8
Terex	CTT 721B-40	40	40@21.9	4.65@80	239	39/84	146	0	79.4
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6
Wilbert	WT 180 e.tronic	8	8@30	1.8@65	160	25/65	170	n/s	100
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 360 e.tronic	16	16@27.5	2.8@77.5	610	25/77.5	170	n/s	100
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7
Wilbert	WT 720 e.tronic	32	32@25	5.8@85	500	25/85	240	n/s	100
WOLFFKRAN	WOLFF 6031.12 Clear (US)12		12.0@21.5	2.0@65	106.2	30 - 60	115	n/s	104.7
WOLFFKRAN	WOLFF 7534.16 Clear (US)16.5		16.5@24.1	2.9@75	106.2	30 - 75	185	n/s	104.7
WOLFFKRAN	WOLFF 8033.20 Cross (US)20		20.0@24.5	2.6@80	92.2	30 - 80	132	n/s	91.2
WOLFFKRAN	WOLFF 8076 Compact (US)40		40.0@24.9	7.6@80	97.3	30 - 80	95	n/s	95.9
Zoomlion	T8030-25	25	25@20	3@80	350	30/80	150	6	91.2
Zoomlion	T600-32	32	32@15	2.5@85	350	30/85	150	6	91.2

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Jaso	J4510	2.5	2.5@30	1@45	193	20/45	82	5	87.8
Jaso	J5010	2.5	2.5@35	1@50	193	20/50	82	5	87.8
Jaso	J5510	2.5	2.5@29.9	1@55	193	30@55	82	5	87.8
Potain	MCT 68	3	3@20	1.1@46	n/s	46	82	n/s	n/s
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
Jaso	J37NS	4	4.0@11.5	1.0@37.0	189	20.0/37.0	82	3	87.6
Jaso	J46NS	4	4.0@18.8	0.9@47.0	189	20.0/47.0	100	4	88.5
COMANSA	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
COMANSA	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
COMANSA	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
COMANSA	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
COMANSA	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
COMANSA	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
ENG	ETT90	5	5.0@19.1	1.35@51.0	205	18.0/51.0	82	3	42.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	149	0	47.8
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	n/s
Stafford Soima	SGT 5015TL	5	5 @ 18	1.65 @ 50	186	24/50	78	0	90
Stafford Soima	SGT 5512TL	5	5 @ 18	1.38 @ 55	186	24/55	78	0	90
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
COMANSA	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
COMANSA	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
COMANSA	11LC150 6t	6	6 @ 19.4	1.7 @ 60	580	30 / 60	310	0	103.3
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7
Liebherr	125 EC-B 6	6	6.00@22.5	1.6@58	250	20 to 58	123	0	61.5
Potain	MDT 109	6	6@17.8	1.35@55	n/s	55	96	n/s	n/s
Potain	MDT 139	6	6@24.8	1.9@55	n/s	55	96	n/s	n/s
Potain	MDT159	6	6@ 25	1.75 @60	n/s	60	96	n/s	n/s
Raimondi Cranes S.p.A. T97		6	6@20.82	1.71@50.5	n/s	18.0/50.5	n/s	n/s	n/s
Raimondi Cranes S.p.A. T107		6	6@23.09	1.47@55.0	n/s	20.0/55.0	n/s	n/s	n/s
Raimondi Cranes S.p.A. T127		6	6@25.68	1.69@57.5	n/s	20.0/57.5	n/s	n/s	n/s
Raimondi Cranes S.p.A. T137		6	6@29.40	1.49@60.0	n/s	25.0/60.0	n/s	n/s	n/s
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7
Saez	TLS 55-17 6T	6	6@21.2	1.92@55	190	20/55	100	8	107.7
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6
COMANSA	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	310	0	103.3
COMANSA	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	310	0	103.3
COMANSA	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	194	0	104.8
ENG	ETT115	8	8.0@19.0	1.21@63.0	245	34.0/63.0	163	4	67.9
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	12.5	82.4
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	12.5	82.9
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Potain	MDT 189	8	8@24.5	1.8@60	n/s	60	121	n/s	n/s
Potain	MDT 219 J8	8	8@29.2	1.95@65	n/s	65	121	n/s	n/s
Raimondi Cranes S.p.A. T147		8	8@24.05	1.49@62.5	n/s	20.0/62.5	n/s	n/s	n/s
Raimondi Cranes S.p.A. T167		8	8@24.48	1.61@62.5	n/s	20.0/62.5	n/s	n/s	n/s
Raimondi Cranes S.p.A. T187		8	8@28.52	1.65@67.5	n/s	25.0/67.5	n/s	n/s	n/s
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104	n/s	114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104	n/s	114
Stafford Soima	SGT 5030TL	8	8 @ 23	3.3 @ 50	209	28/50	101	0	81
Stafford Soima	SGT 6020TL	8	8 @ 18	2.2 @ 60	209	28/60	94	0	81
Stafford Soima	SGT 6515TL	8	8 @ 18	1.65 @ 65	209	28/65	94	0	81
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Wilbert	WT 180 e.tronic	8	8@30	1.8@65	160	25/65	170	n/s	100

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
COMANSA	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1
ENG	ETT145	10	10.0@18.1	1.30@65.0	252	38.0/65.0	131	5	62.5
ENG	ETT192	10	10.0@24.1	2.31@65.0	298	25.0/65.0	131	5	66
Jaso	J160.10	10	10.0@17.0	1.7@65	534	30/65	80	12.3	83.2
Jaso	J185	10	10.0@17.6	2.0@65	534	30/65	80	12.5	83.1
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4
Jaso	J 200.10	10	10.0@22.1	2.0@67.5	534	30/67.5	90	12	82.7
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4
Liebherr	205 EC-B 10	10	10.00@22.2	2.10@65.0	321	24.4 to 65.0	139	0	75.2
Liebherr	220 EC-B 10	10	10.00@23.5	2.25@68	321	24.4 to 68	139	0	75.2
Liebherr	240 EC-B 10 Fibre	10	10.00@23.9	2.5@68	277	24.4 to 68	143	0	75.2
Potain	MDT 219 J10	10	10@21.7	1.9@65	n/s	65	101	n/s	n/s
Potain	MDT 249 J10	10	10@24.6	2.75@65	n/s	65	215	n/s	n/s
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s	n/s
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s	n/s
Raimondi Cranes S.p.A. T187		10	10@23.44	1.61@67.5	n/s	25.0/67.5	n/s	n/s	n/s
Raimondi Cranes S.p.A. T207		10	10@27.24	2.34@67.5	n/s	25.0/67.5	n/s	n/s	n/s
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104	n/s	114
Stafford Soima	SGT 7018TL	10	10 @ 21	2 @ 70	209	26/70	118	0	72
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
Terex	CTT 222-10	10	10@25.00	2.58@65	265	25/65	110	0	76.7
COMANSA	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	330	0	102.1
COMANSA	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
Jaso	J 200.12	12	12.0@18.1	1.8@67,5	534	30/67,5	225	19	82.7
Jaso	J 235.12	12	12.0@20.6	2.6@65	534	30/67,5	225	19	82.7
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	17.5	93.4
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	17.5	93.4
Liebherr	220 EC-B 12	12	12.00@19.5	2.05@68	325	24.4 to 68	116	0	73.1
Liebherr	240 EC-B 12 Fibre	12	12.00@20.00	2.4@68	269	24.4 to 68	119	0	73.1
Liebherr	270 EC-B 12	12	12.00@26.3	2.1@73	325	24.4 to 73	267	0	94.6
Liebherr	300 EC-B 12 Fibre	12	12.00@27.1	2.55@73	269	24.4 to 73	272	0	94.6
Liebherr	340 EC-B 12	12	12.00@28	2.4@78	325	24.4 to 78	267	0	94.6
Liebherr	370 EC-B 12 Fibre	12	12.00@31	2.8@78	269	24.4 to 78	272	0	94.6
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s	n/s
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s	n/s
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s	n/s
Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s	n/s
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s	n/s
Potain	MDT 349 L12	12	12 @ 30	3.2 @75	n/s	75	220	n/s	n/s
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s	n/s
Raimondi Cranes S.p.A. T247		12	12@27.38	1.71@72.5	n/s	35.0/72.5	n/s	n/s	n/s
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118	n/s	110
Stafford Soima	SGT 7022TL	12	12 @ 18	2.4 @ 70	209	26/70	95	0	72
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
WOLFFKRAN	WOLFF 6031.12 Clear (US)12	12	12.0@21.5	2.0@65	106.2	30 - 60	115	n/s	104.7
Raimondi Cranes S.p.A. T307		14	14@26.49	1.82@77.5	n/s	35.0/77.5	n/s	n/s	n/s
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Liebherr	340 EC-B 16	16	16.00@21.0	2.1@78	276	24.4 to 78	192	0	94.6
Liebherr	370 EC-B 16 Fibre	16	16.00@22	2.5@78	194	24.4 to 78	199	0	94.6
Liebherr	470 EC-B 16	16	16.00@32	2.4@83	276	24.4 to 83	192	0	94.8
Potain	MDT 349 L16	16	16 @ 22.5	3 @ 75	n/s	75	204	n/s	n/s
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	204	n/s	n/s
Raimondi Cranes S.p.A.	T357	16	16@26.49	2.53@77.5	n/s	30.0/77.5	n/s	n/s	n/s
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119	n/s	100
Stafford Soima	SGT 7030TL	16	16 @ 20	3.3 @ 70	204	28/70	106	0	66
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 360 e.tronic	16	16@27.5	2.8@77.5	610	25/77.5	170	n/s	100
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5
WOLFFKRAN	WOLFF 7534.16 Clear (US)	16.5	16.5@24.1	2.9@75	106.2	30 - 75	185	n/s	104.7
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145	13	90.7
Raimondi Cranes S.p.A.	T387	18	18@27.54	2.89@80.0	n/s	35.0/80.0	n/s	n/s	n/s
COMANSA	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	290	0	98.9
COMANSA	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	290	0	110.8
COMANSA	21LC600 20t	20	20 @ 33.5	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC650 20t	20	20 @ 37.8	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	290	0	110.7
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
Liebherr	470 EC-B 20	20	20.00@25.5	2.2@83	368	24.4 to 83	149	0	94.8
Liebherr	520 EC-B 20 Fibre	20	20.00@26.6	2.9@83	378	24.4 to 83	158	0	94.8
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41.5 to 81.5	191	0	86.9
Potain	MDT 489 M20	20	20 @ 28.5	3.5 @ 80	n/s	80	195	n/s	n/s
Potain	MDT 569 M20	20	20 @ 30	4.2t @ 80	n/s	80	195	n/s	n/s
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	195	n/s	n/s
Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s	n/s
Raimondi Cranes S.p.A.	T427	20	20@29.23	3.52@80.0	n/s	25.0/80.0	n/s	n/s	n/s
Stafford Soima	SGT 8030TL	20	20 @ 18	3 @ 80	204	38/80	85	0	90
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	91.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	68.6
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2
WOLFFKRAN	WOLFF 8033.20 Cross (US)	20	20.0@24.5	2.6@80	92.2	30 - 80	132	n/s	91.2
ENG	ETT450	24	24.0@23.2	3.30@80.0	398	30.0/80.0	173	4	90.7
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115	10	90.7
Jaso	J365	24	24.0@19.0	4.4@60	410	30/55	115	10	81.6
Jaso	J390	24	24.0@19.3	3.8@75	310	30/75	115	10	81.6
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	83.8
Jaso	J600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	80.8
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Raimondi Cranes S.p.A.	T477	24	24@25.26	2.26@85.0	n/s	25.0/85.0	n/s	n/s	n/s
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186	n/s	93.4
COMANSA	21LC600 25t	25	25 @ 26.3	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC650 25t	25	25 @ 29.4	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC660 25t	25	25 @ 30	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 25t	25	25 @ 38.9	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC450 25t	25	25 @ 19.1	2.8 @ 80	785	40 / 80	202	0	109.3
COMANSA	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	202	0	103.7
COMANSA	21LC1050 25t	25	25 @ 46.6	11.8 @ 80	393	30 / 80	300	0	98.2
ENG	ETT531	25	25.0@22.7	2.20@86.0	400	36.0/86.0	159	3	90.7
Potain	MDT 489 M25	25	25 @ 23	3.5 @ 80	n/s	80	195	n/s	n/s
Potain	MDT 569 M25	25	25 @ 25.2	4.2t @ 80	n/s	80	195	n/s	n/s
Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s	n/s
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	195	n/s	n/s
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	195	n/s	n/s

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Potain	MD 689 M25	25	25 @ 28.8	6.7 @ 80	n/s	80	195	n/s	n/s
Zoomlion	T8030-25	25	25@20	3@80	350	30/80	150	6	91.2
COMANSA	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 32t	32	32 @ 50.5	16 @ 80	363	40 / 80	259	0	102.8
Potain	MDT 569 M32	32	32 @ 20.1	3.6 @ 80	n/s	80	151	n/s	n/s
Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s	n/s
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138	n/s	93.4
Stafford Soima	SGT 8041TL	32	32 @ 10	4.1 @ 80	204	43/77.5	155	0	90
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	91.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	75.8
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7
Wilbert	WT 720 e.tronic	32	32@25	5.8@85	500	25/85	240	n/s	100
Zoomlion	T600-32	32	32@15	2.5@85	350	30/85	150	6	91.2
COMANSA	21LC660 37.5t	37.5	37.5 @ 20.5	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 37.5t	37.5	37.5 @ 26.4	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC1050 37.5t	37.5	37.5 @ 32.7	11.8 @ 80	393	30 / 80	300	0	98.2
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5
Liebherr	550 EC-H 40 Litronic	40	40.00@18.30	4.00@81.5	520	40 to 81.5	191	0	85.5
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81.4	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34.5 to 81.4	191	0	97.1
Liebherr	1188 EC-H 40 Fibre	40	40.00@28.9	9.10@91.4	378	34.5 to 91.4	158	0	97.1
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	38.8 to 81	191	0	79
Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s	n/s
Potain	MD 689 M40	40	40 @ 18	6.0 @ 80	n/s	80	162	n/s	n/s
Terex	CTT 721B-40	40	40@21.9	4.65@80	239	39/84	146	0	79.4
WOLFFKLAN	WOLFF 8076 Compact (US)	40	40.0@24.9	7.6@80	97.3	30 - 80	95	n/s	95.9
COMANSA	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
COMANSA	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
COMANSA	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
COMANSA	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
COMANSA	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.4	334	36 to 81.4	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.1	11.00@81.4	334	34.5 to 81.4	154	0	94.2
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	38.8 to 81	154	0	79
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	162	n/s	n/s
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.4	441	48 to 81.4	105	0	91.8
Liebherr	3150 HC 60	60	60.00@53.00	32.00@80.0	441	39.2 to 80	105	0	73.8
COMANSA	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	363	40 / 80	130	0	108.3
COMANSA	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	363	40 / 80	130	0	102.8
Jaso	J 1400	64	64.0@24.3	10.5@80	456	25/80	94	9	69.3
Potain	MD 1600	64	64@28.3	17.4@80	n/s	80	162	n/s	n/s
Potain	MD 2200	64	64@35	23.5@80	n/s	80	162	n/s	n/s
COMANSA	21LC1400 66t	66	66 @ 26.5	9.6 @ 85	355	28.6 / 85	116	0	86.5
Potain	MD 3200	80	80@37	38.7@70	n/s	85	64	n/s	n/s
COMANSA	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	59.2 to 96	136	0	67.6

SELF-ERECTING BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Max Hoist Speed (m/min)
ENG	GTA17	1.5	1.5@10.82	0.6@22.0	16.5	20 to 22	34
ENG	GTA22	2	2.0@11.7	0.75@25.0	23	23 to 25	36
ENG	GTA30	2	2.0@14.75	0.80@29.0	25.5	25 to 29	40
ENG	GTA45.B	4	4.0@11.40	1.0@32.0	27.4	28 to 32	48
ENG	GTA52	4	4.0@13.25	1.0@36.0	27	28 to 36	48
ENG	GTA54	4	4.0@12.20	1.0@38.0	31.9	33.2 to 38	48
ENG	GTA60	4	4.0@13.30	1.0@41.8	27	35 to 41.8	48
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40
Liebherr	L1-24	2.5	2.5@11.4	0.8@27	19.2	22 to 27	51
Liebherr	L1-32	4	4@10.6	1.05@30	21.3	25 to 30	57
Liebherr	34 K (2/4)	4	4.00@11.04	1.00@33.0	27	25.5 to 33	51.4
Liebherr	42 K.1 (2/4)	4	4.00@14.4	1.10@36.0	28	25.5 to 36	53.3
Liebherr	42 KR.1 (2/4)	4	4.00@14.4	1.10@36.0	28	25.5 to 36	53.3
Liebherr	53 K (2/4)	4.2	4.20@15.3	1.00@40.0	30.4	28 to 40	89
Liebherr	65 K.1	4.5	4.50@17.60	1.35@43.0	34.6	28 to 43	74.1
Liebherr	81 K.1	6	6.00@16.3	1.35@48.0	40.4	31 to 48	76.1
Liebherr	125 K	8	8.00@16.3	1.3@55	41.5	35 to 55	66.3
Liebherr	MK 73-3.1	6	6.00@13.5	2.0@38.5	26.5	38.5	89
Liebherr	MK 88-4.1	8	8.00@13	2.20@45.0	30.2	45	82
Liebherr	MK 140	8	8.00@14.4	1.00@65.0	39.9	58.3 to 65	109
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Hup M 28-22	2.2	2.2@14.1	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.2	1.45@40	35	40	68
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69
Potain	Igo T 99	6	6@ 17.7m	1.2@48	38.5	48	54
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63
Stafford Soima	SGH 24x40	4	4 @ 48.9	1 @ 40	n/s	13.1/39.9	53
Terex	CBR 21H	1.6	1.6@10	0.6	21.6	11.2-21	36
Terex	CBR 24 Plus	2	2@12.3	0.75	23.3	12.3-24	36
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	26.5	14.4-27.8	40
Terex	CBR 40H	4	4@14.5	1	32.2	27.2-40	46
Terex	CSE 30	4.4	4.4@10.62	1.3	27.1	14.1-30	52
Terex	CSE 32	4.4	4.4@10.27	1.15	27.5	14.1-32	56
Terex	CSE 36	4.4	4.4@13.17	1.42	31.5	27.5-36.1	46
Terex	CSE 40	4.4	4.4@12.41	1.15	32.2	27.5-40	56
Vicario	22-AR	1.8	1.8@8.64	0.6@21.9	17.2	10.7-21.9	37
Vicario	24-AR	1.8	1.8@8.8	.5@24	17.2	11.8-24	37
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Vicario	30-A	4	4@9.6	1@30	24	14-30	56
Vicario	34-A	4	4@10.9	1@34	25	14-34	56
Vicario	370	4	4@12.4	1@38	25.5	28-38	56
Vicario	340	4	4@13.45	1@42	26	28-42	56
Vicario	45-A	4	4@14.45	1@45	27	30-45	56

SELF-ERECTING BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Max Hoist Speed (m/min)
ENG	GTA17	1.5	1.5@10.82	0.6@22.0	16.5	20 to 22	34
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25
Terex	CBR 21H	1.6	1.6@10	0.6	21.6	11.2-21	36
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Vicario	22-AR	1.8	1.8@8.64	0.6@21.9	17.2	10.7-21.9	37
Vicario	24-AR	1.8	1.8@8.8	.5@24	17.2	11.8-24	37
ENG	GTA22	2	2.0@11.7	0.75@25.0	23	23 to 25	36
ENG	GTA30	2	2.0@14.75	0.80@29.0	25.5	25 to 29	40
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40
Terex	CBR 24 Plus	2	2@12.3	0.75	23.3	12.3-24	36
Potain	Hup M 28-22	2.2	2.2@14.1	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Liebherr	L1-24	2.5	2.5@11.4	0.8@27	19.2	22 to 27	51
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	26.5	14.4-27.8	40
ENG	GTA45.B	4	4.0@11.40	1.0@32.0	27.4	28 to 32	48
ENG	GTA52	4	4.0@13.25	1.0@36.0	27	28 to 36	48
ENG	GTA54	4	4.0@12.20	1.0@38.0	31.9	33.2 to 38	48
ENG	GTA60	4	4.0@13.30	1.0@41.8	27	35 to 41.8	48
Liebherr	L1-32	4	4@10.6	1.05@30	21.3	25 to 30	57
Liebherr	34 K (2/4)	4	4.00@11.04	1.00@33.0	27	25.5 to 33	51.4
Liebherr	42 K.1 (2/4)	4	4.00@14.4	1.10@36.0	28	25.5 to 36	53.3
Liebherr	42 KR.1 (2/4)	4	4.00@14.4	1.10@36.0	28	25.5 to 36	53.3
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.2	1.45@40	35	40	68
Stafford Soima	SGH 24x40	4	4 @ 48.9	1 @ 40	n/s	13.1/39.9	53
Terex	CBR 40H	4	4@14.5	1	32.2	27.2-40	46
Vicario	30-A	4	4@9.6	1@30	24	14-30	56
Vicario	34-A	4	4@10.9	1@34	25	14-34	56
Vicario	370	4	4@12.4	1@38	25.5	28-38	56
Vicario	340	4	4@13.45	1@42	26	28-42	56
Vicario	45-A	4	4@14.45	1@45	27	30-45	56
Liebherr	53 K (2/4)	4.2	4.20@15.3	1.00@40.0	30.4	28 to 40	89
Liebherr	65 K.1	4.5	4.50@17.60	1.35@43.0	34.6	28 to 43	74.1
Liebherr	81 K.1	6	6.00@16.3	1.35@48.0	40.4	31 to 48	76.1
Liebherr	MK 73-3.1	6	6.00@13.5	2.0@38.5	26.5	38.5	89
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69
Potain	Igo T 99	6	6@ 17.7m	1.2@48	38.5	48	54
Liebherr	125 K	8	8.00@16.3	1.3@55	41.5	35 to 55	66.3
Liebherr	MK 88-4.1	8	8.00@13	2.20@45.0	30.2	45	82
Liebherr	MK 140	8	8.00@14.4	1.00@65.0	39.9	58.3 to 65	109
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63
Terex	CSE 30	4.4	4.4@10.62	1.3	27.1	14.1-30	52
Terex	CSE 32	4.4	4.4@10.27	1.15	27.5	14.1-32	56
Terex	CSE 36	4.4	4.4@13.17	1.42	31.5	27.5-36.1	46
Terex	CSE 40	4.4	4.4@12.41	1.15	32.2	27.5-40	56

ARTICULATING CRANES BY MANUFACTURER

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

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
Fassi	F950RA.2.28	48,501	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	19,000	24
Fassi	F1100RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	23,000	27.5
Fassi	F1300RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500	27.5
Fassi	F1950RAL.2.28	58,973	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	29
Fassi	F2150RAL.2.28	63,272	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	32
Fassi	F1500RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35,000	33
IMT	2.5/18	1,740	715 lb (325 kg) @ 22'8"	28' 1" (8.6 m)	23' (7 m)	5 ft	895 lb (405 kg)	0.87
IMT	3.2/23	2,195	960 lb (435 kg) @ 23'4"	29' 3" (8.9 m)	23 ft 7 in (7.2 m)	5 ft 3 in	920 lb (418 kg)	1.1
IMT	610 MCS/RC	6,526	948 lb (430 kg) @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3
IMT	710 RCS	6,526	992 lb @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3.4
IMT	810 MCS/RC	8,245	1268 lb (575 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
IMT	910 RCS	8,509	1323 lb (600 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	4.2
IMT	1030 MCS	9,281	1102 lb (500 kg) @ 45'6"	53' 4" (16.3 m)	45' 6" (13.9 m)	7 ft	2172 lb (985 kg)	4.3
IMT	10/72 SL	9,722	1190 lb (540 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2172 lb (985kg)	4.6
IMT	1230 MCS	10,163	1213 lb (550 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	4.6
IMT	10/72 DL	10,384	1124 lb (510 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2005 lb (1000 kg)	4.6
IMT	12/86 SL	10,626	1301 lb (590 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	5
IMT	12/86 DL	10,670	1279 lb (580 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2458 lb (1115 kg)	5.1
IMT	1430 MCS	11,023	926 lb (420 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.1
IMT	1610 RCS	11,684	1169 lb (530 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.5
IMT	1620 RCS	12,280	1146 lb (520 kg) @ 56'4"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2,999 lb (1360 kg)	5.9
IMT	1910 RCS	13,448	1543 lb (700 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3021 lb (1370 kg)	5.9
IMT	32/222	15,058	1764 lb (800 kg) @ 69'6"	77' 10" (23.7 m)	69' 11" (21.3 m)	7 ft 9 in	5710 lb (2590 kg)	9.5
IMT	1920 RCS	15,631	1543 lb (700 kg) @ 48'11"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3131 lb (1420 kg)	6.4
IMT	2310 RCS	16,204	1080 lb (490 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	3869 lb (1800 kg)	6.7
IMT	40/275	19,025	2225 lb (1010 kg) @ 69'10"	79' 1" (24.1 m)	69' 11" (21.3 m)	7 ft 10 in	6945 lb (3150 kg)	9.7
IMT	2810 RCS	20,018	1521 lb (690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4178 lb (1895 kg)	7.4
IMT	2320 RCS	20,260	1080 lb (490 kg) @ 70'5"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4145 lb (1880 kg)	6.9
IMT	2820 RCS	20,260	1521 lb (690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4365 lb (1980 kg)	7.4
IMT	50/345	22,840	3085 lb (1400 kg) @ 70'3"	78' 11" (24.1 m)	70' 3" (21.4 m)	7 ft 10 in	7959 lb (3610 kg)	11.4
IMT	7020	30,490	4519 lb (2050 kg) @ 66'11"	76' 1" (23.2 m)	67' 7" (20.6 m)	8 ft 1 in	9844 lb (4465 kg)	13.9
IMT	9520	40,433	6305 lb (2860 kg) @ 65'11"	72' 2" (22 m)	66' 7" (20.3 m)	8 ft 2 in	12,500 lb (5670 kg)	17.2
Jekko	JF365	25,353.2 lb	805 @ 87'07"	96 ft	49.2 ft	9.2 ft	28,555	12.6
Jekko	JF545	34,171.7 lb	551 @ 98'05"	106 ft	53.3 ft	9.4 ft	40,123	17.0
Jekko	JF990	47,399.4 lb	1795 @ 104'06"	113 ft	65.6 ft	10.3 ft	62,15	23.6
Manitex Articulating Crane (MAC)	8.5 P	4,410	540 @ 41 ft 0 in	50 ft 3 in	34 ft 5 in	6 ft 3 in	1945	2.205
Manitex Articulating Crane (MAC)	9.5 P	5,290	760 @ 41 ft 10 in	51 ft	40 ft 8 in	6 ft 6 in	2,340	2.6
Manitex Articulating Crane (MAC)	16.5 S	8,070	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,255	4.035
Manitex Articulating Crane (MAC)	28.5 SP	13,510	1480 @ 70 ft 8 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,732	6.75
Manitex Articulating Crane (MAC)	38.5 SP	17,990	2160 @ 70 ft 8 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,835	8.995
Manitex Articulating Crane (MAC)	47.5 SP	27,340	2570 @ 76 ft 1 in	112 ft 7 in	100 ft 7 in	8 ft 2 in	9,205	13.67
Manitex Articulating Crane (MAC)	48.5 SP	27,340	2570 @ 76 ft 7 in	113 ft	101 ft 1 in	8 ft 2 in	9,625	13.67
Manitex Articulating Crane (MAC)	65 SP	30,530	3970 @ 71 ft 6 in	119 ft	101 ft 10 in	8 ft 4 in	13,151	15.26
Manitex Articulating Crane (MAC)	58.5 SP	32,740	3120 @ 76 ft 7 in	118ft	106 ft 4 in	8 ft 2 in	10,430	16.37
Manitex Articulating Crane (MAC)	100 SP	42,220	6080 @ 73 ft 10 in	121 ft 9 in	109 ft 9 in	8 ft 2 in	16,790	21.11
Manitex Articulating Crane (MAC)	210 SP	48,150	8440 @ 86 ft 7 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085	24.075
Manitex Articulating Crane (MAC)	150 SP	54,010	8430 @ 71 ft 10 in	138 ft	113 ft 4 in	8 ft 8 in	24,585	27
Palfinger	PK 3400	2,180	490@32 ft 2 in	n/s	32 ft 2 in	n/s	985	n/s
Palfinger	PK 4200	2,183	660@36 ft 5 in	n/s	36 ft 5 in	n/s	1082	n/s
Palfinger	PC 1500	2,200	950@10 ft 2 in	n/s	10 ft 2 in	n/s	375	n/s
Palfinger	PC 2700	4,400	1100@16 ft 6 in	n/s	16 ft 6 in	n/s	478	n/s
Palfinger	PC 3800	4,400	1600@16 ft 6 in	n/s	16 ft 6 in	n/s	570	n/s
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1,530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1,650	3.31
Palfinger	PK 5.501 SLD 5	7,300	750@36 ft 5 in	n/s	36 ft 5 in	n/s	1,600	n/s
Palfinger	PK 7.501 SLD 5	7,300	1060@36 ft 9 in	n/s	36 ft 9 in	n/s	1,720	n/s
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2,770	6.2
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2,320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2,510	5.7

ARTICULATING CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
Palfinger	PK 12.501 SLD 5	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2,580	5.7
Palfinger	PK 9.501 SLD 5	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2,380	5.71
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2,425	6.3
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3,890	5.98
Palfinger	PK 14002-EH	13,200	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3,940	5.98
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4,120	6.2
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4,170	6.2
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5,270	6.1
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5,270	6.1
Palfinger	PK 14.501 SLD	13,670	1700@39 ft 6 in	n/s	48 ft 7 in	n/s	3,390	6.835
Palfinger	PK 13.501 SLD	13,700	1300@48 ft 7 in	n/s	48 ft 7 in	n/s	3,330	6.85
Palfinger	PK 17.001 SLD	13,700	1820@48 ft 7 in	n/s	48 ft 7 in	n/s	3,675	6.85
Palfinger	PK 19.001 SLD	13,700	2100@48 ft 7 in	n/s	47 ft 11 in	n/s	4,670	6.85
Palfinger	PK 21.501 SLD	13,700	2400@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	n/s
Palfinger	PK 24.001 SLD	13,700	2700@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	n/s
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 35.502 TEC	22,046	2000@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	n/s
Palfinger	PK 37.002 TEC	22,046	2150@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	n/s
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 32080	18,740	3950@46 ft 7 in	n/s	46 ft 7 in	n/s	6,900	n/s
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	11
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	14.2
Palfinger	PK 42002-SH	32,848	2600@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	n/s
Palfinger	PK 46002	34,170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	17.085
Palfinger	PK 45.002 TEC	34,390	2800@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	n/s
Palfinger	PK 48.002 TEC	34,390	3050@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	n/s
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	16.79
Palfinger	PK 53002-SH	39,462	3476@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	n/s
Palfinger	PK 55.002 TEC	41,890	3650@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	n/s
Palfinger	PK 58.002 TEC	41,890	3950@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	n/s
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	22
Palfinger	PK 65002-SH	48,500	4600@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	24.25
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13,029	23
Palfinger	PK 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13,025	27.56
Palfinger	PK 110002-SH	66,140	6900@72 ft 2 in	n/s	72 ft 2 in	n/s	19,466	33.07
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	30
Palfinger	PK 92002-SH	66,200	5400@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	33.1
Palfinger	PK 135.002 TEC	66,200	8400@72 ft 0 in	n/s	72 ft 0 in	n/s	22,420	n/s
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70,600	35.3
Palfinger	PK 200002L-SH	88,200	8700@ 84 ft 0 in	n/s	83 ft 12 in	n/s	n/s	44.1

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
IMT	2.5/18	1740	715 lb (325 kg) @ 22'8"	28' 1" (8.6 m)	23' (7 m)	5 ft	895 lb (405 kg)	0.87
Fassi	F22A.0.22	2193	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881	1
Fassi	F28A.0.23	2193	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1025	1
Fassi	F38A.0.23	2193	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1267	1
Fassi	M10A 12	2194	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396	1
IMT	3.2/23	2195	960 lb (435 kg) @ 23'4"	29' 3" (8.9 m)	23 ft 7 in (7.2 m)	5 ft 3 in	920 lb (418 kg)	1.1
Fassi	M30A 13	4404	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573	2

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
Manitex Articulating Crane (MAC)	8.5 P	4410	540 @ 41 ft 0 in	50 ft 3 in	34 ft 5 in	6 ft 3 in	1945	2.205
Fassi	F50A.0.24	5004	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1653	2.5
Manitex Articulating Crane (MAC)	9.5 P	5290	760 @ 41 ft 10 in	51 ft	40 ft 8 in	6 ft 6 in	2340	2.6
Effer	65	5835	7 ft 11 in	46 ft 1 in	34 ft 1 in	78 in	1740	2.9
Fassi	F65B.1.24	6832	640 lbs @ 41 ft 11 in	46 ft 2 in	24ft 6in	6 ft 3 in	2050	3
IMT	610 MCS/RC	6526	948 lb (430 kg) @35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3
Effer	80	6250	8 ft 4 in	46 ft 4 in	35 ft 4 in	82 in	2015	3.1
Fassi	F600SE.44	6600	1,390 lbs @ 100 ft	1,121 ft	100'	9'5"	17195	3.3
Palfinger	PK 5.001 SLD	7300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	3.31
Palfinger	PK 7.001 SLD	7300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	3.31
IMT	710 RCS	6526	992 lb @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3.4
Effer	100	7735	7 ft 11 in	45 ft 7 in	34 ft 7 in	85 in	2380	3.8
IMT	810 MCS/RC	8245	1268 lb (575 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
Fassi	F85B.0.24	8377	903 lbs @ 43 ft 31 in	50 ft 4 in	30 ft 7 in	6 ft 5 in	2579	4
Manitex Articulating Crane (MAC)	16.5 S	8070	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4255	4.035
IMT	910 RCS	8509	1323 lb (600 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	4.2
IMT	1030 MCS	9281	1102 lb (500 kg) @ 45'6"	53' 4" (16.3 m)	45' 6" (13.9 m)	7 ft	2172 lb (985 kg)	4.3
Fassi	F425SE.04	9000	3,550 @ 61'	72 ft 11 in	61'	9'5"	10000	4.5
Effer	145	9180	9 ft 8 in	66 ft 1 in	55 ft 1 in	89 in	3679	4.6
IMT	10/72 SL	9722	1190 lb (540 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2172 lb (985kg)	4.6
IMT	1230 MCS	10163	1213 lb (550 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	4.6
IMT	10/72 DL	10384	1124 lb (510 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2005 lb (1000 kg)	4.6
Fassi	F95B.0.24	9744	220 lbs @ 59 ft 6 in	66 ft 8 in	30 ft 6 in	7 ft 2 in	3593	5
Fassi	F135A.2.26	10251	110 lbs @ 81 ft 4 in	89 ft	40 ft 4 in	7 ft 9 in	5423	5
Fassi	F155A.0.26	11023	220 lbs @ 81 ft 4 in	89 ft	45 ft 4 in	7 ft 9 in	6172	5
IMT	12/86 SL	10626	1301 lb (590 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	5
IMT	12/86 DL	10670	1279 lb (580 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2458 lb (1115 kg)	5.1
IMT	1430 MCS	11023	926 lb (420 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.1
Effer	165	10955	9 ft 2 in	65 ft 4 in	54 ft 4 in	90 in	4010	5.5
IMT	1610 RCS	11684	1169 lb (530 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.5
Palfinger	PK 8.501 SLD	12570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	5.7
Palfinger	PK 11.001 SLD	12570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	5.7
Palfinger	PK 12.501 SLD 5	12570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	5.7
Palfinger	PK 9.501 SLD 5	12600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	5.71
IMT	1620 RCS	12280	1146 lb (520 kg) @ 56'4"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2,999 lb (1360 kg)	5.9
IMT	1910 RCS	13448	1543 lb (700 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3021 lb (1370 kg)	5.9
Palfinger	PK 13002	13200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	5.98
Palfinger	PK 14002-EH	13200	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	5.98
Fassi	F175A.2.26	11794	242 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7495	6
Fassi	F115A.24	11904	396 lbs @ 59 ft 2 in	66 ft 2 in	30 ft 6 in	7 ft 2 in	4309	6
Fassi	F135A.0.25	12632	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4783	6
Palfinger	PK 19502	13500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 22002-EH	13500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 11001 CM	12400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	6.2
Palfinger	PK 16002	13440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.2
Palfinger	PK 18002-EH	13440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.2
Palfinger	PK 8501 CM	12600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	6.3
IMT	1920 RCS	15631	1543 lb (700 kg) @ 48'11"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3131 lb (1420 kg)	6.4
Fassi	F195A.2.26	12896	286 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7495	6.5
IMT	2310 RCS	16204	1080 lb (490 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	3869 lb (1800 kg)	6.7
Manitex Articulating Crane (MAC)	28.5 SP	13510	1480 @ 70 ft 8 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5732	6.75
Palfinger	PK 14.501 SLD	13670	1700@39 ft 6 in	n/s	48 ft 7 in	n/s	3390	6.835
Palfinger	PK 13.501 SLD	13700	1300@48 ft 7 in	n/s	48 ft 7 in	n/s	3330	6.85
Palfinger	PK 17.001 SLD	13700	1820@48 ft 7 in	n/s	48 ft 7 in	n/s	3675	6.85
Palfinger	PK 19.001 SLD	13700	2100@48 ft 7 in	n/s	47 ft 11 in	n/s	4670	6.85
IMT	2320 RCS	20260	1080 lb (490 kg) @ 70'5"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4145 lb (1880 kg)	6.9
Fassi	F215A.2.26	13668	330 lbs @ 81 ft 10 in	89 ft 6 in	50 ft 10 in	8 ft 9 in	7716	7
Fassi	F155A.0.25	13911	573 lbs @ 68 ft 4 in	76 ft 10 in	32 ft 3 in	7 ft 2 in	4795	7
IMT	2810 RCS	20018	1521 lb (690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4178 lb (1895 kg)	7.4

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
IMT	2820 RCS	20260	1521 lb (690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4365 lb (1980 kg)	7.4
Effer	225	15990	9 ft 8 in	60 ft 0 in	55 ft 7 in	92 in	6250	8.1
Fassi	F175A.0.25	17636	220 lbs @ 80 ft 6 in	88 ft	37 ft 8 in	7 ft 10 in	6547	8.5
Fassi	F245A.2.28	17636	473 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9500	8.5
Fassi	F275A.2.28	17636	606 lbs @ 87 ft 11 in	101 ft	50 ft 8 in	8 ft 6 in	9500	8.5
Palfinger	PK 23502	19600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 26002-EH	19600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Effer	265	17855	9 ft 8 in	67 ft 7 in	55 ft 7 in	92 in	6250	8.9
Manitex Articulating Crane (MAC)	38.5 SP	17990	2160 @ 70 ft 8 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6835	8.995
Palfinger	PK 30002	22050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 33002-EH	22050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Fassi	F195A.0.25	19102	330 lbs @ 80 ft 8 in	88 ft	43 ft 8 in	7 ft 10 in	6889	9.5
Fassi	F245A.0.26	19620	551 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8500	9.5
Fassi	F275A.0.26	29762	617 lbs @ 79 ft 8 in	95 ft	49 ft 6 in	8 ft 6 in	8500	9.5
IMT	32/222	15058	1764 lb (800 kg) @ 69'6"	77' 10" (23.7 m)	69' 11" (21.3 m)	7 ft 9 in	5710 lb (2590 kg)	9.5
IMT	40/275	19025	2225 lb (1010 kg) @ 69'10"	79' 1" (24.1 m)	69' 11" (21.3 m)	7 ft 10 in	6945 lb (3150 kg)	9.7
Fassi	F215A.0.25	20657	385 lbs @ 80 ft 6 in	88 ft	43 ft 8 in	7 ft 10 in	6889	10
Fassi	F295A.2.28	19841	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12500	10.5
Fassi	F295RA.2.28	19841	440 lbs @ 95 ft 1 in	110 ft	63 ft 3 in	8 ft 6 in	12500	10.5
Fassi	F335A.2.28	20943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12500	10.5
Fassi	F335RA.2.28	20943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12500	10.5
Palfinger	PK 37002	28440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	11
Effer	315	22640	8 ft 10 in	81 ft 9 in	69 ft 9 in	93 in	7195	11.3
IMT	50/345	22840	3085 lb (1400 kg) @ 70'3"	78' 11" (24.1 m)	70' 3" (21.4 m)	7 ft 10 in	7959 lb (3610 kg)	11.4
Effer	375	24165	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8320	12.1
Effer	395	25570	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8320	12.8
Fassi	F385A.2.28	26455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17500	13
Fassi	F385RA.2.28	26455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17500	13
Manitex Articulating Crane (MAC)	47.5 SP	27340	2570 @ 76 ft 1 in	112 ft 7 in	100 ft 7 in	8 ft 2 in	9205	13.67
Manitex Articulating Crane (MAC)	48.5 SP	27340	2570 @ 76 ft 7 in	113 ft	101 ft 1 in	8 ft 2 in	9625	13.67
IMT	7020	30490	4519 lb (2050 kg) @ 66'11"	76' 1" (23.2 m)	67' 7" (20.6 m)	8 ft 1 in	9844 lb (4465 kg)	13.9
Palfinger	PK 40002-EH	31500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.2
Fassi	F455A.2.28	29762	485 lbs @ 101 ft 10 in	106ft	72 ft 11 in	8 ft 6 in	13558	15
Fassi	F455RA.2.28	29762	485 lbs @ 101 ft 10 in	106ft	72 ft 11 in	8 ft 6 in	13558	15
Manitex Articulating Crane (MAC)	65 SP	30530	3970 @ 71 ft 6 in	119 ft	101 ft 10 in	8 ft 4 in	13151	15.26
Effer	455/505	31305	9 ft 10 in	82 ft 9 in	70 ft 9 in	96 in	11195	15.6
Manitex Articulating Crane (MAC)	58.5 SP	32740	3120 @ 76 ft 7 in	118ft	106 ft 4 in	8 ft 2 in	10430	16.37
Fassi	F515RA.2.28	35273	661 lbs @ 100 ft 5 in	106ft	75 ft 9 in	8 ft 6 in	13558	16.5
Palfinger	PK 50002-EH	37030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	16.79
Palfinger	PK 46002	34170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	17.085
IMT	9520	40433	6305 lb (2860 kg) @ 65'11"	72' 2" (22 m)	66' 7" (20.3 m)	8 ft 2 in	12,500 lb (5670 kg)	17.2
Fassi	F660RA.2.28	35273	485 lbs @ 116 ft 5 in	131 ft 3 in	75 ft 9 in	8 ft 6 in	15000	17.5
Effer	655/685	41300	9 ft 6 in	87 ft 5 in	75 ft 5 in	97 in	12420	20.6
Manitex Articulating Crane (MAC)	100 SP	42220	6080 @ 73 ft 10 in	121 ft 9 in	109 ft 9 in	8 ft 2 in	16790	21.11
Palfinger	PK 63002-EH	48500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	22
Palfinger	PK 76002-EH	50710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	23
Fassi	F800RA.2.28	48501	727 lbs @ 109 ft 10 in	124 ft	75 ft 9 in	8 ft 6 in	17600	24
Fassi	F950RA.2.28	48501	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	19000	24
Manitex Articulating Crane (MAC)	210 SP	48150	8440 @ 86 ft 7 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20085	24.075
Palfinger	PK 65002-SH	48500	4600@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	24.25
Effer	1355	51145	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23445	25.5
Effer	855	52685	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15895	26.3
Manitex Articulating Crane (MAC)	150 SP	54010	8430 @ 71 ft 10 in	138 ft	113 ft 4 in	8 ft 8 in	24585	27
Effer	955	54780	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15895	27.3
Fassi	F1100RA.2.28	55115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	23000	27.5
Fassi	F1300RA.2.28	55115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33500	27.5
Palfinger	PK 78002-SH	55120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13025	27.56
Fassi	F1950RAL.2.28	58973	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45000	29
Effer	1405	52025	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23545	29.4

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
Palfinger	PK 88002-EH	66200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	30
Fassi	F2150RAL.2.28	63272	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45000	32
Fassi	F1500RA.2.28	66138	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35000	33
Palfinger	PK 110002-SH	66140	6900@72 ft 2 in	n/s	72 ft 2 in	n/s	19466	33.07
Palfinger	PK 92002-SH	66200	5400@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	33.1
Palfinger	PK 165.002 TEC	70600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	35.3
Effer	1750	63380	14 ft 2 in	76 ft 8 in	64 ft 8 in	104 in	26565	37.2
Effer	2655	60185	15 ft 0 in	104 ft 11 in	90 ft 0 in	108 in	37367	37.6
Effer	1855	65035	14 ft 2 in	84 ft 2 in	72 ft 2 in	104 in	26715	38.2
Effer	2055	71205	13 ft 2 in	84 ft 2 in	71 ft 5 in	106 in	28395	38.9
Effer	2255	66135	14 ft 5 in	98 ft 5 in	141 ft 10 in	111 in	39903	39.7
Palfinger	PK 200002L-SH	88200	8700@ 84 ft 0 in	n/s	83 ft 12 in	n/s	n/s	44.1
Effer	2755	108025	9 ft 11 in	45 ft 11 in	36 ft 10 in	83 in	56980	54.1
Jekko	JF365	25,353.2 lb	805 @ 87'07"	96 ft	49,2 ft	9,2 ft	28555	12,6
Jekko	JF545	34,171.7 lb	551 @ 98'05"	106 ft	53,3 ft	9,4 ft	40123	17,0
Jekko	JF990	47,399.4 lb	1795 @ 104'06"	113 ft	65,6 ft	10,3 ft	62,15	23,6
Palfinger	PK 3400	2180	490@32 ft 2 in	n/s	32 ft 2 in	n/s	985	n/s
Palfinger	PK 4200	2183	660@36 ft 5 in	n/s	36 ft 5 in	n/s	1082	n/s
Palfinger	PC 1500	2200	950@10 ft 2 in	n/s	10 ft 2 in	n/s	375	n/s
Palfinger	PC 2700	4400	1100@16 ft 6 in	n/s	16 ft 6 in	n/s	478	n/s
Palfinger	PC 3800	4400	1600@16 ft 6 in	n/s	16 ft 6 in	n/s	570	n/s
Palfinger	PK 5.501 SLD 5	7300	750@36 ft 5 in	n/s	36 ft 5 in	n/s	1600	n/s
Palfinger	PK 7.501 SLD 5	7300	1060@36 ft 9 in	n/s	36 ft 9 in	n/s	1720	n/s
Palfinger	PK 21.501 SLD	13700	2400@48 ft 11 in	n/s	47 ft 11 in	n/s	4980	n/s
Palfinger	PK 24.001 SLD	13700	2700@48 ft 11 in	n/s	47 ft 11 in	n/s	4980	n/s
Palfinger	PK 35.502 TEC	22046	2000@71 ft 6 in	n/s	71 ft 6 in	n/s	6770	n/s
Palfinger	PK 37.002 TEC	22046	2150@71 ft 6 in	n/s	71 ft 6 in	n/s	6770	n/s
Palfinger	PK 32080	18740	3950@46 ft 7 in	n/s	46 ft 7 in	n/s	6900	n/s
Palfinger	PK 42002-SH	32848	2600@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	n/s
Palfinger	PK 45.002 TEC	34390	2800@69 ft 7 in	n/s	69 ft 7 in	n/s	9480	n/s
Palfinger	PK 48.002 TEC	34390	3050@69 ft 7 in	n/s	69 ft 7 in	n/s	9480	n/s
Palfinger	PK 53002-SH	39462	3476@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	n/s
Palfinger	PK 55.002 TEC	41890	3650@69 ft 7 in	n/s	69 ft 7 in	n/s	10295	n/s
Palfinger	PK 58.002 TEC	41890	3950@69 ft 7 in	n/s	69 ft 7 in	n/s	10295	n/s
Palfinger	PK 135.002 TEC	66200	8400@72 ft 0 in	n/s	72 ft 0 in	n/s	22420	n/s

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	OMNI	500 lbs @ 14 ft	22 ft	14 ft	1.75	5800	4 ft 10 in	Battery	75	1.13	1.25
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	1.36	1.5
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10500	5 ft	Battery	75	4.5	5
Bailey Cranes	BC 18	1,950 lbs @30 ft	46 ft	34 ft	5	20000	6 ft 6 in	Battery/Hybrid	75	8.16	9
Broderson	IC-20	1,200 lbs @ 15 ft	27 ft 9 in	6 ft /15 ft	5.5 mph	6,380 lbs	4 ft	D/Dual Fuel	75	2.27	2.5
Broderson	IC-35	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	7,860 lbs	5 ft	D/Dual Fuel	75	3.6	4
Broderson	IC-40	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	8,920 lbs	5 ft 4 in	D/Dual Fuel	75	4.08	4.5
Broderson	IC-80-1	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2in	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-2	3,100 lbs @ 24 ft	41 ft	9 ft 5 in - 24 ft	22 mph	16,400 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-3	2,150 lbs@ 30 ft	45 ft 8 in	11 ft 6 in - 30 ft	22 mph	16,750 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Brodersen	IC-100-3	1,900 lbs@ 33 ft	49 ft 3 in	13 ft 3 in - 33 ft	22 mph	18,270 lbs	6 ft 6 in	D/Dual Fuel	75	9	10
Brodersen	IC-200-2	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft 2 in	18 mph	28,500 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Brodersen	IC-200-3	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Brodersen	IC-250	3,650 lbs @ 50 ft	87 ft 11 in	15 ft 7 in - 50 ft 1 in	18 mph	37,700 lbs	7 ft 10 in	D/LPG	75	16.3	18
Brodersen	IC-280	900 lbs. @ 79 ft	89 ft. 9 in.	23 ft 1 in - 63 ft 10 in	19 mph	41,340 lbs	7 ft 10 in	D/LPG	75	18.14	20
Brodersen	IC-400	1,500 lbs @ 88 ft	99 ft	22 ft 9 in - 69 ft	23 mph	55,200 lbs	8 ft 5 1/4 in	Diesel	75	22.7	25
Brodersen	RT-400	3,600 lbs @ 50 ft	98 ft	21 ft 11 in - 68 ft	24 mph	51,900 lbs	8 ft 5 in	Diesel	75	18.14	20
EZ Rig Crane	EzRig	1.950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1300	2 ft 10 in	E	n/s	1	1.2
Jekko	SPX328	220 lbs @ 32 ft	41 ft	8 to 27 ft	1.36	5070 lbs	2 ft 1 in	P+E/E	125	2.8	3
Jekko	SPX532	220 lbs @ 48 ft	56 ft	8 to 34 ft	1.7	5698 lbs	2 ft 6 in	D+E/E	125	3.2	3.5
Jekko	SPX650	330 lbs @ 65 ft	77 ft	13 to 50 ft	1.8	27385 lbs	3 ft 4 in	D+E/E	125	5	5.5
Jekko	SPX1280	220 lbs @ 66 ft	88 ft	16 to 58 ft	1.73	43018 lbs	4 ft 8.4 in	D+E/E	125	8	8.8
Jekko	JF235	530 lbs @ 76	83 ft	N/A	N/A	10500 lbs	4 ft 5 in	D+E	125	6.1	6.7
Jekko	JF365	520 lbs @ 88 ft	96 ft	49.3 ft	1.5	27120 lbs	5 ft 10.8 in	D+E	125	11.5	12.67
Jekko	JF545	738 lbs @ 92 ft	100 ft	53.3 ft	1.3	29762 lbs	6 ft	D+E	125	15.5	17.08
Jekko	JF545 V-Max	738 lbs @ 92 ft	100 ft	53.3 ft	1.3	29762 lbs	6 ft	D+E	125	15.5	17.08
Jekko	JF990	1795 lbs @ 104 ft	113 ft	65.6 ft	1.4	47300 lbs	7 ft	D+E	125	21.5	23.7
Jekko	MPK06	363 lbs @ 8.5 ft	13 ft	3 to 9 ft	2.2	1653 lbs	2 ft 6 in	E	125	0.6	0.66
Jekko	MPK10	639 lbs @ 8.2 ft	16.4 ft	5 to 11 ft	2.3	2667 lbs	3 ft 1 in	E	125	1	1.1
Jekko	MPK20R	309 lbs @ 16ft	24 ft	7 to 20 ft	N/A	4303 lbs	17 ft 7 in	E	125	2	2.2
Jekko	MPK50	1540 lbs @ 20 ft	31 ft	9 to 22 ft	6.4	9790 lbs	10 ft 8 in	E	125	5	5.5
JMG	MC20	550 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	2.5	4400	3in 1 ft	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	2.5	4400	3in 1 ft	E	n/s	2	2.2
JMG	MC22	550 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	3	4500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC22	550 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	3	4500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	2.5	5500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	3	5500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	2.5	5500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	3	5500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC32	1030 lbs @ 13in 1 ft	22 ft	11ft/13in 1ft	3	6750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft/13in 1ft	3	6750	3in 2ft	E	n/s	3.18	3.5
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft/14in 5ft	3	10560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft/13in 11ft	5	10500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft/14in 5ft	3	10560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft/13in 11ft	5	10500	5in 1ft	E	n/s	4.5	4.95
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft/18in 1ft	5	14300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft/18in 1ft	5	14300	5in 5ft	E	n/s	6	6.6
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft/15in 8ft	5	20000	5in 7 ft	E/D	n/s	8.5	9.35
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft/15in 8ft	5	20000	5in 7ft	E/D	n/s	8.5	9.35
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft/23in 6ft	5	29650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft/23in 6ft	5	29650	6in 5ft	E/D	n/s	11	12.1
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft/24in 7ft	5	41000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft/24in 7ft	5	41000	6in 9ft	E	n/s	16.04	17.65
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft/25in 3ft	5	50400	7in 3 ft	E	n/s	22.04	24.25
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft/25in 3ft	5	50400	7in 3ft	E	n/s	22.04	24.25
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft/27in 8ft	5	59800	7in 5 ft	E	n/s	30	33
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft/27in 8ft	5	59800	7in 5ft	E	n/s	30	33
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft/27in 11ft	5	70500	7in 6 ft	E	n/s	45.09	49.6
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft/27in 11ft	5	70500	7in 6ft	E	n/s	45.09	49.6
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft/30in 5ft	3	83600	7in 10f t	E	n/s	50.09	55.1
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft/30in 5ft	3	83600	7in 10ft	E	n/s	50.09	55.1
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft/30in 5ft	3	85800	7in 10 ft	E	n/s	60	66
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft/30in 5ft	3	85800	7in 10ft	E	n/s	60	66
Lift Systems	MBL033	20.800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	MBL033	20.800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	TWL040	24.100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32000	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	TWL040	24.100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32000	7 ft3 in	D/LPG	0.85	36	40
Lift Systems	MBL075	18.800 lbs@35 ft	44 ft	20-44 ft	1.7	49000	7 ft 11 in	D/LPG	0.85	68	75

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Maeda	MCD90-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	0.9	0.995
Maeda	MC270-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	2.7	2.95
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4200	30 in	LPG/Gas	85	2.82	3.1
Maeda	MC285-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	2.82	3.1
Maeda	MC305-3	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in-41 ft 0 in	1.74	8600	51 in	D/E	85	2.98	3.28
Maeda	MC405-3	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12400	55 in	D/E	85	3.84	4.24
Maeda	CC1485-1	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31750	8 ft 2 in	D	75	6	6.61
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Manitex Valla	19	880 lbs @ 10 ft	15 ft	83	2.5	4400 lbs	37 in	Battery	125	.9 t	1
Manitex Valla	25 EL	880 lbs @ 10 ft	15 ft	83	2.5	4400 lbs	37 in	Battery	125	2.25	2.5
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	5300 lbs	37 in	Battery	125	2.5	2.75
Manitex Valla	V40R	990 lbs @ 16 ft	24 ft	90	3.2	8,800 lbs	39 in	Battery	125	4	4.4
Manitex Valla	50	1760 lbs @ 16 ft	25 ft	106	5.6	12120 lbs	55 in	Battery/Diesel	125	5	5.5
Manitex Valla	75	1980 lbs @ 17 ft	26 ft	133	5.6	13450 lbs	68 in	Battery/Diesel	125	7.5	8.25
Manitex Valla	V90R	2200 lbs @ 18 ft	30.8 ft	n/s	5.6	16940 lbs	55 in	Battery	125	8	8.8
Manitex Valla	V120R	4180 lbs @ 21 ft	34 ft	n/s	5.6	24,000 lbs	58 in	Battery	125	11	12
Manitex Valla	120	3970 lbs @ 25 ft	33 ft	159	5.6	30850	82 in	Battery/Diesel	125	12	13.2
Manitex Valla	180	6600 lbs @ 24 ft	35 ft	176	5	41850	86 in	Battery/Diesel	125	18	19.8
Manitex Valla	V230R	7920 lbs @ 26 ft	38 ft	n/s	5	51700 lbs	78 in	Battery	125	21	23
Manitex Valla	250	4180 lbs @ 33 ft	45 ft	191	5	53350	90 in	Battery Diesel	125	25	27.5
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70550	92 in	Battery	125	40	44
Manitex Valla	V1100R	30800 lbs @ 37 ft	55 ft	n/s	5	n/a	95 in	Battery	125	100	110
Ormig	5.5TME	1660lbs@19ft	29.52 ft	12.46/31.16ft	3	15652	5 ft	E	n/s	5.5	6.06
Ormig	10TM	4519lbs@19ft	28 ft	14-31ft	8.56	22928	7 ft	D	n/s	10	11.02
Ormig	10TME	4519lbs@19ft	28 ft	14-31ft	6.35	22928	7 ft	E	n/s	10	11.02
Ormig	15IE	5070lbs@23ft	36ft	14-35ft	2.2	28660	6 ft	E	n/s	15	16.53
Ormig	16TM	5291lbs@22ft	34ft	15-35ft	19.91	31085	7 ft 50 in	D	n/s	16	17.64
Ormig	16TME	5291lbs@22ft	34 ft	15-35ft	7.57	31746	7 ft 50 in	E	n/s	16	17.64
Ormig	20/25TM	9259lbs@25ft	40 ft	17-40ft	17.09	39683	8 ft 20 in	D	n/s	20/25	27.56
Ormig	25TME	9259lbs@25ft	40ft	17-40ft	6.42	45194	8 ft 20 in	E	n/s	25	27.56
Ormig	35IE	11023lbs@26ft	40 ft	16.5-40ft	3.9	40785	6 ft 10 in	E	n/s	35	38.58
Ormig	33TM	11023lbs@27ft	47 ft	21-45ft	15.53	61729	8 ft 20 in	D	n/s	33	36.8
Ormig	33TME	11023lbs@27ft	47 ft	21-45ft	4.39	63493	8 ft 20 in	E	n/s	33	36.8
Ormig	40IE	13227lbs@28ft	42 ft	19-43ft	4	46517	7 ft 2 in	E	n/s	40	44
Ormig	45TME	17416lbs@29ft	46ft	20-47ft	3.34	63934	9 ft	E	n/s	45	49.59
Ormig	50/55TM	19621 lbs@29 ft	46 ft	20-47ft	16.59	63934	8 ft 20 in	D	n/s	50/55	60.63
Ormig	55/60IE	19180 lbs@28 ft	42 ft	19-43ft	3.9	52910	7 ft 7in	E	n/s	60	66.1
Ormig	100IE	23810 lbs@29 ft	44 ft	19-46ft	2.8	58423	8 ft 0.5in	E	n/s	100	110.2
Ormig	75tm	23148 lbs@34 ft	51 ft	22-54ft	15.9	79366	9ft 9in	D	n/s	75	82.67
Shuttlelift	SCD09	1,080 lbs @ 42 ft	48 ft	14.2/33.2 ft	19.2	16900	6 ft 6 in	D & LPG/Gas	n/s	8.1	9
Shuttlelift	SCD15	1,140 lbs @ 61.5 ft	69.5 ft	17/ 50 ft	16	25200	7 ft 10 in	D & LPG/Gas	n/s	13.6	15
Shuttlelift	SCD20	800 lbs @ 76 ft	86 ft	18.5/54.5 ft	21	36600	8 ft 1 in	D & LPG/Gas	n/s	18.1	20
Shuttlelift	SCD25	1,440 lbs @ 84 ft	95 ft	23/70.5 ft	19.4	45700	8 ft 1 in	D	n/s	22.7	25
SPYDERCRANE	PC094	440 lbs @ 17.37 ft	22 ft	5.675 ft - 22 ft	2.5	2100	31 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW094	440 lbs @ 16.96 ft	22 ft	5.675 ft - 22 ft	1.5	2500	23 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW095	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW205S	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW506	390 lbs @ 49.9 ft	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Jekko	MPK06	363 lbs @ 8.5 ft	13 ft	3 to 9 ft	2.2	1653 lbs	2 ft 6 in	E	125	0.6	0.66
UPequir/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1500	29.5 in	Battery	125	0.7	0.7
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	0.88	0.97
Maeda	MC090-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	0.9	0.995
Manitex Valla	19	880 lbs @ 10 ft	15 ft	83	2.5	4400 lbs	37 in	Battery	125	.9 t	1
SPYDERCRANE	PC094	440 lbs @ 17.37 ft	22 ft	5.675 ft - 22 ft	2.5	2100	31 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW094	440 lbs @ 16.96 ft	22 ft	5.675 ft - 22 ft	1.5	2500	23 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW095	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	0.9	1
Jekko	MPK10	639 lbs @ 8.2 ft	16.4 ft	5 to 11 ft	2.3	2667 lbs	3 ft 1 in	E	125	1	1.1
EZ Rig Crane	EzRig	1,950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1300	2 ft 10 in	E	n/s	1	1.2
Bailey Cranes	OMNI	500 lbs @ 14 ft	22 ft	14 ft	1.75	5800	4 ft 10 in	Battery	75	1.13	1.25
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	1.36	1.5
Jekko	MPK20R	309 lbs @ 16ft	24 ft	7 to 20 ft	N/A	4303 lbs	17 ft 7 in	E	125	2	2.2
JMG	MC20	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	4400	3in 1 ft	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	4400	3in 1ft	E	n/s	2	2.2
JMG	MC22	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	4500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC22	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	4500	3in 1ft	E	n/s	2.18	2.4
Broderson	IC-20	1,200 lbs @ 15 ft	27 ft 9 in	6 ft /15 ft	5.5 mph	6,380 lbs	4 ft	D/Dual Fuel	75	2.27	2.5
Manitex Valla	25 EL	880 lbs @ 10 ft	15 ft	83	2.5	4400 lbs	37 in	Battery	125	2.25	2.5
UPequir/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4730	29.5 in	D/E	125	2.4	2.6
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	5500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	5500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	5500	3in 1ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	5500	3in 1ft	E	n/s	2.5	2.75
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	5300 lbs	37 in	Battery	125	2.5	2.75
SPYDERCRANE	URW205S	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW506	390 lbs @ 49.9	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
Maeda	MC270-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	2.7	2.95
Jekko	SPX328	220 lbs @ 32 ft	41 ft	8 to 27 ft	1.36	5070 lbs	2 ft 1 in	P+E/E	125	2.8	3
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4200	30 in	LPG/Gas	85	2.82	3.1
Maeda	MC285-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.37	4390	30 in	D/E/Battery	85	2.82	3.1
SPYDERCRANE	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2
Maeda	MC305-3	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in-41 ft 0 in	1.74	8600	51 in	D/E	85	2.98	3.28
SPYDERCRANE	URW376	280 lbs @ 47.3 ft	58 ft w/ jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
Jekko	SPX532	220 lbs @ 48 ft	56 ft	8 to 34 ft	1.7	5698 lbs	2 ft 6 in	D+E/E	125	3.2	3.5
JMG	MC32	1030 lbs @ 13in 1 ft	22 ft	11ft /13in 1ft	3	6750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft /13in 1ft	3	6750	3in 2ft	E	n/s	3.18	3.5
UPequir/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6170	29.5 in	D/E /Battery	125	3.1	3.5
Broderson	IC-35	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	7,860 lbs	5 ft	D/Dual Fuel	75	3.6	4
Maeda	MC405-3	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12400	55 in	D/E	85	3.84	4.24
Manitex Valla	V40R	990 lbs @ 16 ft	24 ft	90	3.2	8,800 lbs	39 in	Battery	125	4	4.4
Broderson	IC-40	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	8,920 lbs	5 ft 4 in	D/Dual Fuel	75	4.08	4.5
SPYDERCRANE	URW547	220 lbs @ 58.5	64 ft	13.1 ft -59.1 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	4.04	4.5
UPequir/Hoeflon	C10	460 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.88	10358	31.5 in	D/E	125	5.2	4.5
UPequir/Hoeflon	C30	885 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.25	19800	48 in	Battery	125	9.9	4.5
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft /14in 5ft	3	10560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft /13in 11ft	5	10500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft /14in 5ft	3	10560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft /13in 11ft	5	10500	5in 1ft	E	n/s	4.5	4.95
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10500	5 ft	Battery	75	4.5	5
Jekko	SPX650	330 lbs @ 65 ft	77 ft	13 to 50 ft	1.8	27385 lbs	3 ft 4 in	D+E/E	125	5	5.5
Jekko	MPK50	1540 lbs @ 20 ft	31 ft	9 to 22 ft	6.4	9790 lbs	10 ft 8 in	E	125	5	5.5
Manitex Valla	50	1760 lbs @ 16 ft	25 ft	106	5.6	12120 lbs	55 in	Battery/Diesel	125	5	5.5
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14300	5in 5ft	E	n/s	6	6.6
Maeda	CC1485-1	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31750	8 ft2 in	D	75	6	6.61

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Jekko	JF235	530 lbs @ 76	83 ft	N/A	N/A	10500 lbs	4 ft 5 in	D+E	125	6.1	6.7
SPYDERCRANE	URW706	550 lbs @ 61 ft	80 ft w/ jib	15.7 ft - 63 ft	2.5	17,600 - 18,000	64 in	220V/D/110V/Battery	n/s	6.04	6.7
Manitex Valla	75	1980 lbs @ 17 ft	26 ft	133	5.6	13450 lbs	68 in	Battery/Diesel	125	7.5	8.25
Jekko	SPX1280	220 lbs @ 66 ft	88 ft	16 to 58 ft	1.73	43018 lbs	4 ft 8.4 in	D+E/E	125	8	8.8
Manitex Valla	V90R	2200 lbs @ 18 ft	30.8 ft	n/s	5.6	16940 lbs	55 in	Battery	125	8	8.8
Bailey Cranes	BC 18	1,950 lbs @30 ft	46 ft	34 ft	5	20000	6 ft 6 in	Battery/Hybrid	75	8.16	9
Broderon	IC-80-1	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2in	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderon	IC-80-2	3,100 lbs @ 24 ft	41 ft	9 ft 5 in - 24 ft	22 mph	16,400 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderon	IC-80-3	2,150 lbs@ 30 ft	45 ft 8 in	11 ft 6 in - 30 ft	22 mph	16,750 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Shuttlelift	SCD09	1,080 lbs @ 42 ft	48 ft	14.2/33.2 ft	19.2	16900	6 ft 6 in	D & LPG/Gas	n/s	8.1	9
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20000	5in 7 ft	E/D	n/s	8.5	9.35
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20000	5in 7ft	E/D	n/s	8.5	9.35
Broderon	IC-100-3	1,900 lbs@ 33 ft	49 ft 3 in	13 ft 3 in - 33 ft	22 mph	18,270 lbs	6 ft 6 in	D/Dual Fuel	75	9	10
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Manitex Valla	VI20R	4180 lbs @ 21 ft	34 ft	n/s	5.6	24,000 lbs	58 in	Battery	125	11	12
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29650	6in 5ft	E/D	n/s	11	12.1
Jekko	JF365	520 lbs @ 88 ft	96 ft	49.3 ft	1.5	27120 lbs	5 ft 10.8 in	D+E	125	11.5	12.67
Manitex Valla	120	3970 lbs @ 25 ft	33 ft	159	5.6	30850	82 in	Battery/Diesel	125	12	13.2
Broderon	IC-200-2	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft 2 in	18 mph	28,500 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderon	IC-200-3	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Shuttlelift	SCD15	1,140 lbs @ 61.5 ft	69.5 ft	17/ 50 ft	16	25200	7 ft 10 in	D & LPG/Gas	n/s	13.6	15
Ormig	15IE	5070lbs@23ft	36ft	14-35ft	2.2	28660	6 ft	E	n/s	15	16.53
Terex Franna	AT 15-3	33000	55.7	59	49	35300	n/s	D	n/s	15	17
Jekko	JF545	738 lbs @ 92 ft	100 ft	53.3 ft	1.3	29762 lbs	6 ft	D+E	125	15.5	17.08
Jekko	JF545 V-Max	738 lbs @ 92 ft	100 ft	53.3 ft	1.3	29762 lbs	6 ft	D+E	125	15.5	17.08
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41000	6in 9ft	E	n/s	16.04	17.65
Broderon	IC-250	3,650 lbs @ 50 ft	87 ft 11 in	15 ft 7 in - 50 ft 1 in	18 mph	37,700 lbs	7 ft 10 in	D/LPG	75	16.3	18
Manitex Valla	180	6600 lbs @ 24 ft	35 ft	176	5	41850	86 in	Battery/Diesel	125	18	19.8
Broderon	IC-280	900 lbs. @ 79 ft	89 ft. 9 in.	23 ft 1 in - 63 ft 10 in	19 mph	41,340 lbs	7 ft 10 in	D/LPG	75	18.14	20
Broderon	RT-400	3,600 lbs @ 50 ft	98 ft	21 ft 11 in - 68 ft	24 mph	51,900 lbs	8 ft 5 in	Diesel	75	18.14	20
Shuttlelift	SCD20	800 lbs @ 76 ft	86 ft	18.5/54.5 ft	21	36600	8 ft 1 in	D & LPG/Gas	n/s	18.1	20
Manitex Valla	V230R	7920 lbs @ 26 ft	38 ft	n/s	5	51700 lbs	78 in	Battery	125	21	23
Jekko	JF990	1795 lbs @ 104 ft	113 ft	65.6 ft	1.4	47300 lbs	7 ft	D+E	125	21.5	23.7
Terex Franna	AT 22	48500	45 ft 5 in	59	49	44100	n/s	D	n/s	22	24
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50400	7in 3 ft	E	n/s	22.04	24.25
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50400	7in 3ft	E	n/s	22.04	24.25
Broderon	IC-400	1,500 lbs @ 88 ft	99 ft	22 ft 9 in- 69 ft	23 mph	55,200 lbs	8 ft 5 1/4 in	Diesel	75	22.7	25
Shuttlelift	SCD25	1,440 lbs @ 84 ft	95 ft	23/70.5 ft	19.4	45700	8 ft 1 in	D	n/s	22.7	25
Terex Franna	MAC 25-4	55100	60 ft 5 in	60	49	52700	n/s	D	n/s	25	27
Manitex Valla	250	4180 lbs @ 33 ft	45 ft	191	5	53350	90 in	Battery Diesel	125	25	27.5
Ormig	20/25TM	9259lbs@25ft	40 ft	17-40ft	17.09	39683	8 ft 20 in	D	n/s	20/25	27.56
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59800	7in 5 ft	E	n/s	30	33
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59800	7in 5ft	E	n/s	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36000	6 ft0 in	D/LPG	0.85	30	33
Ormig	35IE	11023lbs@26ft	40 ft	16.5-40ft	3.9	40785	6 ft 10 in	E	n/s	35	38.58
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32000	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32000	7 ft3 in	D/LPG	0.85	36	40
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70550	92 in	Battery	125	40	44
Ormig	40iE	13227lbs@28ft	42 ft	19-43ft	4	46517	7 ft 2 in	E	n/s	40	44
Terex Franna	AT 40	88100	65 ft	65	46	65100	n/s	D	n/s	40	44
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70500	7in 6 ft	E	n/s	45.09	49.6
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70500	7in 6ft	E	n/s	45.09	49.6
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83600	7in 10f t	E	n/s	50.09	55.1
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83600	7in 10ft	E	n/s	50.09	55.1

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Ormig	50/55TM	19621 lbs@29 ft	46 ft	20-47ft	16.59	63934	8 ft 20 in	D	n/s	50/55	60.63
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85800	7in 10 ft	E	n/s	60	66
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85800	7in 10ft	E	n/s	60	66
Lift Systems	MBL075	18.800 lbs@35 ft	44 ft	20-44 ft	1.7	49000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30.200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18.800 lbs@35 ft	44 ft	20-44 ft	1.7	49000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30.200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48000	7 ft 10 in	D/LPG	0.85	68	75
Ormig	75tm	23148 lbs@34 ft	51 ft	22-54ft	15.9	79366	9ft 9in	D	n/s	75	82.67
Lift Systems	MBL110	29.200 lbs@35 ft	44 ft	21-45 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38.900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29.200 lbs@35 ft	44 ft	21-45 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38.900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70000	8 ft 6 in	D/LPG	0.85	100	110
Manitex Valla	V1100R	30800 lbs @ 37 ft	55 ft	n/s	5	n/a	95 in	Battery	125	100	110
Ormig	10TM	4519lbs@19ft	28 ft	14-31ft	8.56	22928	7 ft	D	n/s	10	11.02
Ormig	10TME	4519lbs@19ft	28 ft	14-31ft	6.35	22928	7 ft	E	n/s	10	11.02
Ormig	100E	23810 lbs@29 ft	44 ft	19-46ft	2.8	58423	8 ft 0.5in	E	n/s	100	110.2
Ormig	16TM	5291lbs@22ft	34ft	15-35ft	19.91	31085	7 ft 50 in	D	n/s	16	17.64

RUBBER TIRED GANTRY CRANES BY MANUFACTURER

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

RUBBER TIRED GANTRY CRANES BY CAPACITY

Manufacturer	Model	Standard Inside Clear Height/ Hook Height (ft)	Standard Inside Clear Width/ Hook Height (ft)	Number of tires	Remote control capability Y/N	Steering mode	Driving speed (mph)	Capacity (US tons)
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	n/s	700
Shuttlelift	SL 820	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	n/s	820
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	n/s	25
Shuttlelift	DB 70	25 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	n/s	70
Shuttlelift	SL 100II	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	n/s	100
Shuttlelift	SB 100	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel	n/s	100
Shuttlelift	SL 400	37 (customizable)	35 (customizable)	8	Yes	2 wheel 90 degree or All Wheel	n/s	400
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel	n/s	1,000
Shuttlelift	SL 1250	55 (customizable)	55 (customizable)	16	Yes	All wheel	n/s	1,250

RUBBER TIRED GANTRY CRANES BY CAPACITY

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

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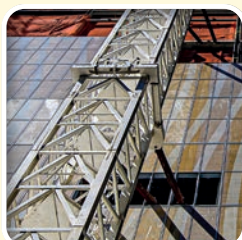
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Associated Wire Rope Fabricators	P O Box 748 Walled Lake, MI 48390	USA	(248) 994-7753	www.awrf.org	Jeff Gilbert Chief Executive
Association of Crane & Rigging Professionals (ACRP)	28175 Haggerty Novi, MI 48377	USA	(800) 690-3921	www.acrp.net	Jeff Gilbert 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.bccranesafety.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-aclg.ca	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	Thom Sickelsteel Chief Executive Officer
Specialized Carriers & Riggers Association (SC&RA)	5870 Trinity Pkwy., Suite 200, Centerville, VA 20120	USA	(703) 698-0291	www.scranet.org	Joel Dandrea Chief Executive Officer
Steel Erectors Association of America	Piedmont Leaf Lofts 401 E. 4th St., #204 Winston-Salem, NC 27101	USA	(336) 294-8880	www.seaa.net	Tom Underhill Executive Director

AUCTIONS/USED CRANE SALES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Alex Lyon & Son	7697 Rt. 31 Bridgeport, NY 13030	USA	(315) 633-2944	www.lyonauction.com	Jack Lyon President
American Auctioneers	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
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	Ron Selby 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
GoIndustry DoveBid	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

Henderson Auctions	13340 Florida Blvd Livingston, LA 70754	USA	(225) 686-2252	www.hendersonauctions.com	Jeffrey Henderson President/CEO
Hilpipe Auctions	2862 Wagner Road Waterloo, IA 50703	USA	(319) 235-6007	www.hilpipe.com	Craig Hilpipe President
Hunyady Auction Services	1440 Cowpath Road Hatfield, PA 19440	USA	(215) 361-9099	www.hunyady.com	Mike Hunyady President
I.R.A.Y. Auction	11935 Hwy 95 NE Foley, MN 56329	USA	(320) 968-7230	www.iraymn.com	Ray Henry Owner
J J Kane Auctioneers	1000 Lenola Road Maple Shade, NJ 8052	USA	(855) 462-5263	www.jjkane.com	Bob Kane Operations
J M Wood Auction Company	3475 Ashley Road Montgomery, AL 36108	USA	(334) 264-3265	www.jmwood.com	Brenda Wood President
Lloyd Meekins & Sons	4070 NC Hwy 211 East Lumberton, NC 28358	USA	(910) 738-1389	www.meekinsauction.com	
Jeff Martin Auctioneers	2236 Hwy 49 Brooklyn, MS 39425	USA	(601) 450-6200	www.jeffmartinauctioneers.com	Jeff Martin Owner
Martin Auction Services	9515 Texas Church Road Clinton, IL 61727	USA	(217) 935-3245	www.martinauction.com	Rob Nord Owner
Musser Bros Auctioneers	3035 Rickenbacker Drive Pasco, WA 99301	USA	(509) 416-6060	www.mbauction.com	Scott Musser Vice President
Myron Bowling Auctioneers	3901 Kraus Lane Hamilton, OH 45014	USA	(513) 738-3311	www.myronbowling.com	Greg Hengehold Managing Partner
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.rbuctions.com	Ann Fandozzi CEO
Sullivan Auctioneers	1066 E US Hwy 136 Hamilton, IL 62341-0111	USA	(217) 847-2160	www.sullivanauctioneers.com	Dan Sullivan Owner
Thompson Auctioneers	3519 State Route 235 Fairborn, OH 45325	USA	(937) 426-8446	www.thompsonauctioneers.com	Steve Thompson Owner
Vocon Auctions	4747 NE 14th Street Des Moines, IA 50313	USA	(866) 218-6266	www.govocon.com	Kelly Housby and Kevin Housby Partners
West Auctions	P O Box 278 Woodland, CA 95776	USA	(530) 661-0490	www.westauction.com	Donna Bradshaw President
Yoder & Frey Auctioneers	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	65 Pondfield Rd., Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director of Marketing/ Communications
Cattron Group International	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
Cervis Inc.	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
Control Chief Wireless Solutions	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
Eaton Wireless	74-1833 Coast Meridian Rd Port Coquitlam, BC V3C 6G5	Canada	(604) 944-9247	www.eaton.com	Nigel Evans Product Manager
Floodraulics	3539 N County Road 700 W, Greenfield, IN 46140	USA	(317) 890-3700	www.floodraulics.com	Tyler Ellis Marketing Manager
HBC-radiomatic	1017 Petersburg Road Hebron, KY 41048	USA	(859) 689-6400	www.hbc-usa.com	Jeff Allan CEO
Hetronic USA	4300 Highline Blvd Building A Oklahoma City, OK 73108	USA	(405) 946-3574	www.hetronic.com	Tom Devonshire National Sales Manager
Intercomp	3839 County Road 116 Medina, MN 55340	USA	(763) 476-2531	www.intercompcompany.com	Mike Tetzlaff Industrial Sales
JR Merritt Controls	55 Sperry Avenue Stratford, CT 06615	USA	(203) 381-0100	www.jrmerritt.com	Doug Mackay Sales

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Kar-Tech	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.lairdtech.com	Jannette Avila Communications and Marketing Manager
Loadwise International	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.columbusmckinnon.com	Lynn Bostrom Marketing
McKee Communications	6381 A Rose Lane Carpinteria, CA 93013	USA	(800) 321-4138	www.mckeeusa.com	Peter McKee President
Microtronics	2270 Highway 54 Iola, KS 66749	USA	(620) 365-8264	www.micro-tronics.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	1572 East Parham Road Richmond, VA 23228	USA	(804) 262-4846	www.nbbcontrols.com	Frank Capetta Vice President
OEM Controls	10 Controls Drive Shelton, CT 06484	USA	(203) 929-8431	www.oemcontrols.com	Ken Fried Sales and Marketing
Orlaco Products B.V. North America	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.orlaco.com	Peter Dove Sr. Account Manager
Robinson Engineering Company	1914 Silver Street Garland, TX 75042	USA	(972) 272-2001	www.craneboss.com	Jerry Schuman Sales and Marketing Manager
Scanreco	4900 Parkway Drive, Suite 190, Mason, OH 45040	USA	(855) 658-0732	www.scanreco.com	Jason Looman President
Trimble Lifting Solutions	32 West Thebarton Road Thebarton South Australia 5031	Australia	+01161882383537 x219	www.heavyindustry. trimble.com	Dawn Cirkl General Manager
Wampfler	8091 Production Drive Florence, KY 41042	USA	(859) 342-8300 x219	www.wampfler.com	Rod Griffith Director of Marketing

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Altec	210 Inverness Center Drive Birmingham, AL 35242	USA	(205) 991-7733	www.altec.com	Lee Styslinger Chairman/CEO
Amco Veba	Gian Paolo Aschero Bolingbrook, IL 60440	USA	(630) 326-6900	www.fischercrane.com	Lee O'Hara
American & Ohio Locomotive Crane	811 Hopley Avenue Bucyrus, OH 44820	USA	(419) 562-6010	www.aolcrane.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	10700 Bigge Ave. San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Joseph Nelms Vice President
Broderson Manufacturing	14741 W. 106th Street Lenexa, KS 66215	USA	(913) 888-0606	www.bmccranes.com	George Schildhouse Inside Sales & Marketing Manager
Cargotec	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	1515 County Road 1 Tiffin, OH 44883	USA	(419) 558-9891	www.cifa.com	Walter Vimercati President
Comansa	11608 Downs Road Pineville, NC 28134	USA	(704) 588-7729	www.northamerica. comansa.com	Joseph Patton Sales Manager
Effer North America	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 916-6461	www.effer.com	Timothy Smith President
Elliott Equipment Company	4427 South 76th Circle Omaha, NE 68127	USA	(402) 592-4500	www.elliottequip.com	Jim Glazer President

Enerpac	N86W12500 Westbrook Crossing Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Commercial Manager Heavy Lifting Technology
EZ Rig Crane	1500 Palma Dr. 2nd Floor. Ventura, CA 93003	USA	(800) 643-4387	www.ezrigcrane.com	Ray Neria Sales Manager
Fascan Intenational	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	585 E South Frontage Road Bolingbrook, IL 60440	USA	(630) 739-6900	www.fischercrane.com	Lee O'Hara President
FM Gru	6330 148th Street Surrey, BC V3S 3C4	Canada	(604) 599-4200	www.fmgru.it	
Global Crane/Zoomlion	14702 Jersey Shore Drive, Houston, TX 77040	USA	(832) 460-3939	www.globalcranes.com	
Giuffre Bros. Cranes	6635 South 13th Street Milwaukee, WI 53221	USA	(414) 764-9200	www.giuffre.com	Todd Proctor General Manager
Hoist Liftruck Manufacturing	6499 W. 65th Street Bedford Park, IL 60638	USA	(800) 367-5600	www.hoistlift.com	Marty Flaska President
Intensus Engineering 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	538 Oakland Avenue Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	John McMahon V.P. Sales & Service
Jekko USA	4517 North Point Blvd. Baltimore, MD 21219	USA	(410) 344-5011	www.jekkousa.com	Rich Caudill Product Manager
Jost	1170 Hayes Grand Haven, MI 49417	USA	(800) 253-5105	www.jostinternational.com	Scott Vandermolen Sales
Jost Cranes	Herzogplatz 30 85604 Zorneding	Germany	+49 8106 9995580	www.jost-cranes.com	Alexander Jost Managing Director
Kobelco Construction Machinery USA	22370 Merchants Way Katy, TX 77449	USA	(281) 888-8430	www.kcmu-cranes.com	Jack Fendrick COO
Koenig Cranes North America	2190 A- Carpenter Street Abbotsford, BC V2T 4X2	Canada	(877) 852-2192	www.koenigcranes.com	John Majernik Specialist
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	William Lampson President & CEO
Liebherr Cranes	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Gerd Booch Area Sales Manager
Liebherr Canada	1015 Sutton Drive Burlington, ON L7L 5Z8	Canada	(800) 387-3922	www.liebherr.com	Tim Petersen Product Manager
Liebherr Cranes USA Mobile & Crawler Cranes Division	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 245-5251	www.liebherr.com	Tim Gerhardt Managing Director
Liebherr USA, Co. MCCtec Division	7075 Bennington Street Houston, TX 77028	USA	(713) 636-4050	www.liebherr.com	Tobias Haemmerle Director
Liebherr Tower Crane Division	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 245-5251	www.liebherr.com	Christophe Brandenburg Sales Manager
Lift Systems	1505 - 7th Street East Moline, IL 61244	USA	(309) 764-9842	www.lift-systems.com	Bruce Forster President
Lift Systems Canada	35 Longworth Ln. Woodstock, ON N4V1G6	Canada	(519) 539-0213	www.lift-systems.com	Darryl Wharram President
Liftech Consultants	344 20th Street, Suite 360 Oakland, CA 94612	USA	(510) 832-5606	www.liftech.net	Teresa Ferguson Marketing
Link-Belt Construction Equipment	2651 Palumbo Drive Lexington, KY 40509	USA	(859) 263-5200	www.linkbelt.com	Melvin Porter President
Maeda USA	8505 South Loop East Houston, TX 77017	USA	(713) 715-1500	www.maedausa.com	Tony Inman President
Mammoet Americas	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	Martijn Kuipers 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	9725 Industrial Drive Bridgeview, IL 60455	USA	(708) 237-2079	www.manitex.com	Michael Coffey CEO

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
The Manitowoc Company (Grove, National Crane, Potain)	11270 W Park Pl Ste 1000, Milwaukee, WI 53224	USA	(414) 760-4600	www.manitowoc.com	Dave Hull GM North America Mobiles
Marine Travelift International	12 Stratfield Park Waterlooville, Hants PO7 7XN	UK	44 (0) 2392 230 811	www.marinetravelift.com	Erich Pfeifer President and CEO
Mi-Jack Products	3111 W. 167th St. Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager
New Dafang Heavy Industry S&T	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	Piazzale Ormig, Regione Carlovini 12/A Ovada, AL 15076	Italy	39 0143 80051	www.ormig.com	Gian Paolo Aschero
Palfinger	7942 Dorchester Rd. Niagara Falls, ON L2G 7W7	Canada	(905) 374-3363	www.palfinger.com	Tim Arkilander VP Sales & Business Development
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	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	PO Box 169 Garner, IA 50438	USA	(641) 923-3741	www.stellarindustries.com	David Zrostilk President
Tadano America Corporation	4242 W. Greens Road Houston, TX 77066	USA	(281) 869-0030	www.tadanoamericas.com	Sven Ebinger Vice President
Tadano Mantis	1705 Columbia Avenue, Suite 200 Franklin, TN 37065	USA	(615) 794-4556	www.mantiscranes.com	Kozo Yoshida COO
Terex Cranes	9528 West Interstate 40 Service Road Oklahoma City, OK 73128	USA	(877) MY-TEREX	www.terex.com/cranes/en	Chris Johnson Director, North American Sales
Towerwork	7 Old Field Road New York, NY 11733	USA	(516) 303-3004	www.towerwork.net	
Valla (A Manitex Company)	9725 Industrial Drive Bridgeview, IL 60455	Usa	(708) 237-2076	www.valla-cranes.co.uk	Matthew Priest North American Distribution Manager
Wilbert Tower Cranes	Lohrgraben 2 55444 Stromberg Waldlaubersheim	Germany	+49 6707 66680	www.wilbert.de	Gunter Kronewitter Sales Director
Wolffkran	45 Main St., Suite 712 Brooklyn, NY 11201	USA	(718) 418-9650	www.wolffkran.com	Michael Hergert Vice President
XCMG	Industry Area No. 1 Xuzhou Economic Jangsu 221004	China	86 516 8773 871	www.xcmg.com	Rubens Azevedo Representative
Zoomlion	No. 361 South Ynpen Road Changsha, Hunan P.R. 410013	China	0086-731-88928069	www.zoomlion.com	
Zoomlion Heavy Industry NA	14215 Two Mile Road Yorkville, WI 53126	USA	(262) 835-1828	www.zoomlion-na.com	Nicky Zhang Sales Manager, North America

CRANE MATS, PADS & CRIBBING

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
AlturnaMATS	701 E Spring St, Mailbox #9 Titusville, PA 16354	USA	(800) 438-9336	www.alturnamats.com	Jack Roser President
American Mat & Timber	6422 McGrew Houston, TX 77087	USA	(800) 671-0694	www.amtmat.com	Mike Robbins Owner
Beasley Forest Products	P O Box 788 Hazlehurst, GA 31539	USA	(912) 375-5174	www.beasleyforestproducts.com	Rabun Beasley Owner
Better Header	10 Duntun Avenue Deer Park, NY 11729	USA	(631) 242-1962	www.betterheader.com	Mark Foscolo Principal
Bigfoot Construction Equipment	1111 Broadway Court Woodstock, IL 60098	USA	(888) 743-7320	www.outtriggerpads.com	Jeff Steiner Owner
Bridgewell Resources	10200 SW Greenburg Road Tigard, OR 97223	USA	(503) 872-3404	www.bridgewellresources.com	Vince Walters General Manager
Carolina Mat	P O Box 339 Plymouth, NC 27962	USA	(252) 793-4045	www.carolinamat.com	Ronald Harrison Owner
Composite Advantage	401 Kiser Street Dayton, OH 45404-1639	USA	(937) 723-9031	www.creativecompositesgroup.com	Scott Reeve President
CraneWorks	7795 East Little York Road Houston, TX 77016	USA	(281) 219-7779	www.crane-works.com	Keith Ayers CEO
DICA	4105 129th St. Urbandale, IA 50323	USA	(712) 794-3103	www.dicausa.com	Kevin Koberg Marketing Director
Fuqua Sawmill	1761 NW 34th Ave. Ocala, FL 34475	USA	(352) 629-4713	www.cranematsflorida.com	Larry Fuqua Owner
Industrial Matting LLC	7327 SW Barnes Road #802, Portland, OR	USA	(888) 543-6287	www.industrialmatting.com	Jeremy Thelin President
Lifton's	1037 Highway 64 New Richmond, WI 54017	USA	(866) 439-7208	www.liftonsinc.com	Bob Lifton CEO
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	770 Maple Lebanon, PA 17046	USA	(717) 270-5600	www.nylacast.com	Tanver Ali Sales & Marketing Director
Paul Davis	144 Sawmill Road Amite, LA 70422	USA	(985) 748-7980	www.pauldavisinc.com	Zachary Davis Salesperson
Prime Tech	1210 Warsaw Road, Suite 1200 Roswell, GA 30076	USA	(770) 594-8608	www.primetechpads.com	Antje Price President
Quality Mat Company	6550 Tram Road Beaumont, TX 77713	USA	(800) 227-8159	www.qmat.com	Joe Penland Jr. Vice President
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) 365-6600	www.saubermfg.com	Mike Blaser Sales Manager
Signature Systems Group	50 East 42nd Street, 14th Floor New York, NY 10017	USA	(212) 953-1116	www.signature-systems.com	Debra Wong Director of Marketing
South Eastern Timber Corporation	P O Box 9289 Coral Springs, FL 33075	USA	(954) 752-3800	www.crane-mats.com	Diane Murray Vice President
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.lionlumber.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
Viking Mat Company	7615 Smetana Lane Suite 140 Eden Prairie, MN 55344	USA	(800) 733-3801	www.vikingmat.com	Nate Bergene Sales Manager

CRANE MATS, PADS & CRIBBING continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
World Forest Group	2100 West Loop South Suite 900 Houston, TX 77027	USA	(722) 473-0328	www.world-forest.com	Jeffrey Atkin CEO
WS Hampshire	365 Keyes Ave Hampshire, IL 60140	USA	(847) 453-8280	www.wshampsire.com	Kevin Pope Regional Sales Manager
YakMat	2438 Hwy 98 East Columbia, MS 39429	USA	(800) 409-1392	www.yakmat.com	Jonathan Duhon CEO

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
Chant Engineering	59 Industyral Drive New Britain, PA 18901	USA	(215) 230-4260	www.chantengineering.com	Phil Chant President
Dearborn Companies	7471 W 93rd Street Bridgeview, IL 60455	USA	(708) 430-7600	www.dearborncos.com	Michael T. Walsh President
Haag Engineering	625 Industrial Blvd Sugarland, TX 774789	USA	(281) 313-9700	www.haagglobal.com	
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	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	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	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 N0G 1M0	Canada	(877) 327-4567	www.diamondplusspecialized.com	Ryann Dodd Operations Manager
Duncan Escort Service	P. O. Box 786 Rosedale, VA 24280	USA	(276) 970-2960		R.R. Duncan Owner
High, Wide & Heavy Oversize Escorts	312 Arthur Kill Road Staten Island, NY 10308	USA	(347) 236-9995	www.highwidenheavy.us	John Incontrera President
Interstate Flag Car	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	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	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
NKS Piloting	11699 N. 340 Road	USA	(918) 218-5218		Nadia Sokolowski Business Owner
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	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	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	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/Owner
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.	1785 Ellsworth Industrial Dr. Atlanta, GA 30318	USA	(800) 241-8990	www.bairstow.com	Robert Bairstow, Jr. President
Buckingham Manufacturing	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	PO Box 1770 Cullman, AL 35056	USA	(256) 739-5959	www.elkriver.com	Paul Doepel General Manager
European Technology Center NA	930 East Drayton Ferndale, MI 48220	USA	(248) 217-1945	www.etcna.net	Robert Walther Managing Director
Fall-Tech	1306 S. Alameda St. Compton, CA 90221	USA	(323) 752-0066	www.falltech.com	Kelly May Marketing Manager Managing Director
FrenchCreek Fall Safety	100 N. 13th Street Franklin, PA 16323	USA	(877) 228-9327	www.frenchcreek production.com	Stefan Marcella Marketing Coordinator
Guardian Fall Protection	26513 79th Ave South Kent, WA 98032	USA	(800) 466-6385	www.guardianfall.com	Jasson Farrier Vice President, Sales
Honeywell Safety Products	900 Douglas Pike Smithfield, RI	USA	(800) 873-5242	www.sps.honeywell.com	
Latchways Fall Protection	Hopton Park, Devizes, Wilshire SN10 2JP	UK	1.14414E+13	www.latchways.com	Duncan Mathieson Sales

FALL PROTECTION continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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	Kathleen S. Petrick President
Standfast	953 Chestnut St. Suite 303 Chicago, IL 60642	USA	(877) 850-8726	www.sftram.com	Ted O'Brien President
Tech Safety Lines	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO
Tractel	51 Morgan Drive Norwood, MA 02062	USA	(800) 421-0246	www.tractel.com	John Basalyga VP & General Manager
Tractel, a division of Griphoist	1615 Warden Avenue Scarborough, ON M1R 2T3	Canada	(416) 298-8822 x247	www.tractel.com/us	Nicole Branidis 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
Woods Logging & Industrial Supply	702 Industrial Way Longview, WA 98632	USA	(360) 577-8030	www.woodsindustrialsupply.com	Brett Doyle Sales Manager

FINANCIAL SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Alliance Funding Group	3745 West Chapman Avenue, Suite 200, Orange, CA 92868	USA	(800) 978-8817	www.afg.com	Shawn Donahue Vice President of Sales
Altec Capital Services	33 Inverness Center Parkway Suite 200, Birmingham, AL 35242	USA	(888) 408-8148	www.altec.com/altec-capital/	Shana Foshee Sales & Marketing
CIT Group	One CIT Drive Livingston, NJ 07039	USA	(973) 740-5000	www.cit.com	Vincent Belcastro Managing Director/ Group Head
Commercial Credit Group	525 N Tryon St, Charlotte, NC	USA	(704) 731-0031	www.commercialcreditgroup.com	Julie Murphy VP Marketing
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	190 S. LaSalle St., Suite 2150, Chicago, IL 60603	USA	(312) 678-4265	www.deutsche-leasing.com	Rainer Voelker Head of Vendor Sales
First Financial Equipment Leasing	750 City Drive Suite 300 Orange, CA 92868	USA	(714) 646-1619	www.ffequipmentleasing.com	Jeffrey Whitcomb Vice President, Construction Lead
FMI Corporation	5171 Glenwood Avenue Raleigh, NC 27612	USA	(919) 785-9236	www.fmicorp.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 West Newbury, MA 01985	USA	(978) 308-1000	www.harryfry.com	Harry Fry President
Heartland Equipment Finance	445 West Oklahoma Avenue Milwaukee, WI 53207	USA	(414) 747-7256	www.heartlandloans.net	Scott Blair President
Industrial IIII	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.manitowoc.com/support/ manitowoc-finance	
Orange Commercial Credit	10121 SE Sunnyside Road, # 300, Clackamas, OR 97015	USA	(888) 266-0211	www.occfactor.com	Tina Cawthorn Account Representative
PCE	200 E. New England Ave Winter Park, FL 32789	USA	(407) 621-2100	www.pcecompanies.com	Michael Rosendahl Investment Banker

People's Capital and Leasing	2135 City Gate Lane, Suite 300, Naperville, IL 60563	USA	(630) 780-1021	www.peoples.com	
SG Equipment Finance USA	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	301 Lindenwood Drive, Suite 215, Malvern, PA 19355	USA	(866) 249-4496	www.siemens.com/finance	Scott Morrish Account Executive
Simmons Bank	2050 Hall Johnson Rd. Grapevine, TX 76051	USA	(817) 916-6220	www.simmonsbank.com	Craig Caldwell SVP/Managing Director
SL Financial Services	251 Riverside Avenue Westport, CT 6880	USA	(203) 227-5225	www.slfinancial.com	Nils Boenicke Senior Vice President of Marketing
Terex Financial Services	200 Nyala Farm Rd Westport, CT 6880	USA	(503) 245-3232	www.terex.com/en/ products-services/ equipment-financing/overview	Josh Curtis National Product Manager
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	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	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	7886 Convoy Court San Diego, CA 92111	USA	(858) 565-4125	www.acssan.com	Ellen Laramie Vice President
American Heavy Moving & Rigging	1391 E. Phillips Blvd Pamona, CA 91766	USA	(909) 469-2827	www.americanheavymoving.com	Cody Sutton CFO
ATS Specialized	725 Opportunity Drive St. Cloud, MN 56301	USA	(320) 255-7400	www.atsinc.com	Troy Heyne Director of Nat'l & Corporate Accounts
Basil Equipment	31312 Via Colinas, Ste 109 West Lake Village, CA 91362	USA	(818) 991-9694	www.basilequipment.com	Bob Basil President
Bellville Rodair International	7155 Old Katy Rd., #103 Houston, TX 77024	USA	(713) 921-5544	www.bellvillerodair.com	Aubrey Vaughn Branch Manager
Bennett International Transport	1001 Industrial Parkway McDonough, GA 30253	USA	(770) 957-1866	www.bennettig.com	Charles Phillips President
C.H. Robinson Project Logistics	102, 6715 - 8 Street N.E. Calgary, AB T2E 7H7	Canada	(403) 295-1505	www.chrprojectlogistics.com	Paul Pols President
C.L. Services	P O Box 91955 Atlanta, GA 30364	USA	(678) 686-0933	www.clservicesinc.com	Jeffrey Lantz President
Convoy Logistics Providers	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
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	10752 171st Ave. NW Elk River, MN 55330-6323	USA	(763) 441-2011	www.morrelloversize.com	Renee Morrell President

FREIGHT FORWARDING/LOGISTICS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
NAL Worldwide / Syncreon	1200 Greenbriar Drive Addison, IL 60101	USA	(630) 261-3184	www.syncreon.com	Mary Shawl Strategic Sourcing Manager
PartnerShip	29077 Clemens Road Westlake, OH 44145	USA	(800) 599-2902	www.partnership.com/ 04SCRA	Program Manager
Pioneer Heavy Haul	262 Silberthorn St. Welland, ON, L3B 5N4	Canada	(905) 732-9895	www.pioneerheavyhaul.com	Colton Jones Operations
Q-Line Trucking	2425 Matheson Blvd. E, 8th Floor Mississauga, ON L4W 5K4	Canada	(877) 478-9995	www.qlinetrucking.com	Todd Moore Operations Manager
Racing Cargo USA	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
Roadrunner Freight	1139 Franklin Ave Fox Rapids, MN 56379	USA	(320) 656-8848 x17	www.rrts.com	Dave Demuth President
The Fogel Company	4431 California St. San Francisco, CA 94118	USA	(415) 422-0081	www.fogelco.com	Rob Fogel President
Transportation Logistics Systems	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
Allied Insurance Brokers	4 Gateway Center, 444 Liberty Ave., Suite 400, Pittsburgh, PA 15212	USA	(800) 569-9427	www.alliedinsbrokers.com	Tres Whitlock President
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	1750 E. Golf Road Schaumburg, IL 60173	USA	(847) 797-5700	www.assuranceagency.com	Lindsey Malone Marketing
Baldwin & Lyons	1099 N. Meridian Street Indianapolis, IN 46204	USA	(800) 644-5501	www.protectiveinsurance.com	Tonya Simms Director
Brennan & Stuart Inc (BSI)	222 Bucklin St LaSalle, IL 61301-3457	USA	(630) 209-3144	www.brennanstuart.com	Chris Kozlowski Sales Executive
Construction Insurance Agency	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 Ianovale Vice President
EPG Insurance	PO Box 171199 Memphis, TN 38187	USA	(407) 788-6657	www.epgins.com	Dale Hendrix Vice President
Great American Group	9 Parkway North, Ste. 300, Deerfield, IL 60015	USA	(847) 943-2094	www.brileyfin.com	Connie Stevens Marketing Manager
Hays Companies	One South Wacker Drive, Suite 3350, Chicago, IL 60606-4639	USA	(312) 254-3722	www.hayscompanies.com	
Insurance Innovators	130 S Easton Road Glenside, PA 19038	USA	(215) 885-7300	www.iiigroup.com	Rich Marburg COO
McGriff	One Premier Plaza, Suite 300, 5605 Glenridge Drive, Atlanta, GA 30342	USA	(800) 476-2541	www.mcgriff.com	Mary Kay Caldwell Chief Operating Officer
Meadowbrook Insurance Group	26255 American Dr Southfields, MI 48034	USA	(248) 204-8145	www.meadowbrookagency.com	Carol Ziecik Vice President
National Interstate Insurance	3250 Interstate Drive Richfield, OH 44286	USA	(330) 659-8900	www.nationalinterstate.com	Tony Mercurio President & CEO
NBIS NationsBuilders Insurance Services	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.assuredpartners.com	Judy Sivy Senior Account Executive
Norman Spencer Agency	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 Goza Agent
Texans Insurance Group	5050 Quorum Drive, Ste 500, Dallas, TX 75254	USA	(972) 991-6677	www.texaninsurance.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
Zurich	7045 College Blvd. Overland Park, KS 66211	USA	(800) 821-7803	www.zurichna.com	Robyn Ziegler

MARINE SERVICES

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

OEM COMPONENTS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Allied Power Products	6590 SW Fallbrook Place Beaverton, OR 97008	USA	(503) 626-0654	www.alliedpower.com	Matt Haywood Marketing
Avon Bearing	1500 Nagle Road Avon, OH 44011	USA	(440) 871-2500	www.kaydonbearings.com	Ron Shaw Remanufacturing Manager
Braden Carco Gearmatic Paccar Winch Division Bremskerl North America	PO Box 547 Broken Arrow, OK 74013	USA	(918) 251-8511	www.paccarwinch.com	Jim Braden Vice President
	1640 Shanahan Drive South Elgin, IL 60177	USA	(847) 289-3460	www.bremskerl.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.ccrllt.com	David Martinez, Jr.
Century Tire	5355 E 39th Avenue Denver, CO 80207	USA	(303) 455-3302	www.centurytireinc.com	Mark Biere President
Continental Tire North America	1800 Continental Blvd. Charlotte, NC 28273	USA	(704) 583-8825	www.continentaltire.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 Manager
Flash Technology	332 Nichol Mill Lane Franklin, TN 37067	USA	(615) 503-2000	www.flashtechology.com	Wade Collins Director of Business Development
Flite Line USA	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President

OEM COMPONENTS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Garrod Hydraulics	1050 Locust Point Road York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbush
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.herculesslr.com	Chris Giannou Marketing
Hydra-Slide	5617 4th Line, Rockwood, Ontario, N0B 2K0	Canada	(519) 496-4008	www.hydra-slide.com	Janine Smith Vice President
Hydraforce Hydraulics	500 Barclay Blvd. Lincolnshire, IL 60069	USA	(847) 793-2300	www.hydraforce.com	David Price Marketing Mgr.
JARP Industries	1111 3rd. St. S.E. Waverly, IA 50677	USA	(715) 359-4241	www.jarbind.com	Les Homeister Regional Sales Manager
Kaydon Corp Bearings	2860 McCracken Street Muskeon, MI 49441	USA	(800) 514-3066 x378	www.kaydon.com	Brian Walters Sales and Marketing - Engineered Products
Kinematics Mfg	2221 W Melinda Lane Phoenix, AZ 85027	USA	(623) 780-8944 x121	www.kinematicsmfg.com	David Pope President
KTSDI	801 E Middletown Road North Lima, OH 44452	USA	(330) 783-2000	www.ktsdi.com	Ken Timmings Manager
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 Solutions	39525 MacKenzie Dr. Novi, MI 48377	USA	(248) 560-8186	www.mtu-online.com	Philip Clark Senior Sales Manager
Palmer Johnson Power Systems	1835 Haynes Drive Sun Prairie, WI 53590	USA	(800) 341-4334	www.pjpower.com	Brad Borchers Product Support Engineer
Parker Hannifin	5035 Parkland Blvd Cleveland, OH 44124-4141	USA	(216) 896-3000	www.parker.com	Jeff Weber Manager
Prineth Ltd.	1001 J-A Bombardier Street Granby, QC J2J 1E9	Canada	(819) 421-3099	www.prineth.com	Doug Little Director of Sales
RBC Bearings	102 Willenbrook Road Oxford, CT 06478	USA	(203) 267-7001	www.rbcbearings.com	Dan Hill, Director of Marketing
Rotek Incorporated	1400 South Chillicothe Road Aurora, OH 44202	USA	(330) 995-7271	www.rotek-inc.com	Laura Hanley Market Research
Simard Suspensions	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.)	3101 Oxbow Circle Cocoa, FL 32936	USA	(321) 631-3802	www.tpseinc.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	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	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.com	Amber Soukkala Executive Administrator
Cranesmart Systems	4908 97 St. NW Edmonton, AB T6E 5S1	Canada	(780) 437-2986	www.cranesmart.com	Dean Raboud Graphic Designer
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	1017 Petersburg Road Hebron, KY	USA	(800) 410-4562	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
Holloway Houston	5833 Armour Drive Houston, TX 77020	USA	(713) 674-5631	www.hhlifting.com	Ezequiel Ortuno Marketing Director
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
Intech Video Systems	23301 Vista Grande Dr. Laguna Hills, CA, 92653	USA	(800) 468-3254	www.intecvideo.com	Donald E. Nama II President
Intercomp	3839 County Road 116 Minneapolis, MN 55340	USA	(763) 476-2531	www.intercompcompany.com	Mike Tetzlaff Industrial Sales
Liftex Corporation	48 D Vincent Cr Warminster, PA 18974	USA	(800) 478-4651	www.liftex.com	Mark Kowalick COO
Loadwise International Ltd.	50, Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
Loadwise	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.columbusmckinnon.com	Mike Fedorchak, Inside Sales
Magtrol	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.mscales.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.northwestcrane.com	Don Kurjata Vice President
OptiCrane	916 West Broadway Vancouver, BC V5Z 1K7	Canada	(604) 813-8392	www.opticrane.com	Paul Roussel Manager
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

OPERATOR ASSIST DEVICES *continued*

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

PERMITTING SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
AXYS Permits	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	P.O. Box 762 Arbuckle, CA 95912	USA	(530) 476-3820	www.hartillheavyhaul.com	Todd Hartill Vice President
High, Wide & Heavy Oversize Escorts	312 Arthur Kill Rd Staten Island, NY 10308	USA	(347) 236-9995	www.highwidenheavy.us	John Incontrera President
J.J. Keller Permit Service	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	P.O. Box 1814 West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckscoorts.com	Maureen Mandich President
Nova Permits & Pilot Cars	2800 Ave, St-Jean-Baptist, Ste 235 Quebec City, PQ F2E 6J5	Canada	(418) 527-7775	www.novapermits.com	Louis Juneau President
Permit America	116 Collision 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	Anthony Deliz Vice President
Transmit America	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.tptruckng.com	John and Flo Schall Owners
WCS Permits	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Molino 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	Walter Bode 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	1902 N. 38th Street Tampa, FL 33605	USA	(813) 247-1963	www.certifiedboomrepair.com	Tyler Smith VP Business Development
Contractors Service Company	PO Box 2991 Eugene, OR 97402	USA	(541) 556-0517	www.cscparts.com	Ted Brown
Doc Bailey Construction Equipment	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
Honnen Equipment	5055 E. 72nd Avenue Commerce City, CO 80022	USA	(303) 287-7506	www.honnen.com	Mark Honnen President
KTSDI-Kessler	801 E Middletown Road North Lima, OH 44452	USA	(330) 783-2000	www.ktsdi.com	Ken Timmings Manager
Nord-Lock Inc.	1000 Greg Street Carnegie, PA 15106	USA	(412) 279-1149	www.nord-lock.com	Jason Milburn Marketing
Pro Mac Mfg.	2940 Jacob Road Duncan, BC V9L 6W4	Canada	(250) 746-5181	www.promac.bc.ca	Shelley Woodman
Professional Service & Repair	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales
PVE Cranes & Services	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.pyramid-parts.com	Adam Whittaker Product Manager
R Baker & Son	190 Boundary Road Marlboro, NJ 07746	USA	(732) 222-3553	www.rbaker.com	Art Sferlazzo Director of Business Development
Rotor Electric	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 Briesse Director
W. L. CraneRepair Inc.	5206 N. Main St. Baytown, TX 77521	USA	(281) 839-6950	www.wlcranesales.com	Wayne Long Owner
WHECO Corporation	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 Rental	427 E Stewart Street Milwaukee, WI 53207	USA	(414) 530-0059	www.doralequipmentrental.com	Rob Keelan Vice President
Dyer Equipment	25975 Hwy. 14 Ault, CO 80610	USA	(970) 454-3784	www.heavyhaultrailers.net	Roy V Dyer Owner
HMS Lift	11 Highlander St. St. George, ON NOE 1N0	Canada	(519) 448-1055	www.hmslift.ca	Eric Lavigne Manager
Hydraulic Skidding Systems	12 Highlander Street St. George, ON NOE 1N0	Canada	(519) 448-3919	www.hydraulic skiddingsystems.com	Richard Bisch President/Owner
Lakeshore Industrial	4514 Browns Drive Two Rivers, WI 54241	USA	(920) 793-2680	www.lakeshoreind.com	Cherri Haskell Office Manager
Lift Systems	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 TRUCKS *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Rigger Lift Mfg	256 Broadcast Drive Spartanburg, SC 39303	USA	(864) 541-0582	www.riggerlift.com	Dirk Rinz Sales Manager
Rig Ready	3229 Oak St., Suite 114 Hudsonville, MI 49426	USA	(866) 829-0344	www.rigready.com	David Balcom Member/Owner
Taylor Machine Works	650 N Church Avenue Louisville, MS 39339	USA	(662) 773-3421	www.taylorbigred.com	Don Woodruff Director of Sales
Trans-American Equipment	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	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	3350 North State St., Ukiah, CA 95482	USA	(707) 462-0567	www.acmerigging.com	Steve Enzler President
Actek Manufacturing & Engineering	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
Alabama Sling Center	4101 Hoke Ave., Dolomite, AL 35061	USA	(205) 744-0230	www.mazzellacompanies.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	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	1229 W Lincoln Hwy, Coatesville, PA 19320	USA	(610) 384-1300	www.alpind.com	Shawn Ober President
ALPS Wire Rope Corp.	2530 Production Drive, St. Charles, IL 60174	USA	(630) 893-3888	www.alpswirerope.com	Brad Benner President
American Riggers Supply	1010 Kansas Ave., Kansas City, KS 66105	USA	(913) 371-1357	www.americanriggers.com	Chris Hughes Owner
American Rigging	2380 Main St., San Diego, CA, 92113	USA	(619) 233-5625	www.americanriggingsd.com	Bruce Yoder President
American Rigging & Supply	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	6407 Arctic Spur Road, Anchorage, AK 99518	USA	(907) 562-0707	www.arcticwirerope.com	Kathi Stanfill Manager
Ashley Sling,	100 Great Southwest Pkwy, Atlanta, GA 30336	USA	(404) 691-2604	www.ashleysling.com	Jim Luckie Sales Manager
Assembly Specialty Products	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.atlas-machinery.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	Chris Land Sales Representative
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.brownpandperkins.com	Bill Comly Sales
Cable Cisco	7718 Northport Drive, West Sacramento, CA 95691	USA	(916) 371-6781	www.carpentergigging.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.cabelcorigging.com	Greg Bailey Sales
Cableworks, Inc.	58 Highland Drive, P.O. Box 651, Putnam, CT 06260	USA	(860) 928-0475	www.alpindustries.com	John Rauh President
The Caldwell Group	4080 Logistic Parkway, Rockford, IL 61109	USA	(815) 229-5667	www.caldwellinc.com	Darrin Noe Director of Sales
Cargo Control USA	P.O. Box 2806, Sanford, NC 27331	USA	(919) 775-5059	www.cargocontrolusa.com	Denise Godfrey Vice President of Sales
CAROL Crane Rigging & Lifting Technology	P.O. Box 5605, Pasadena, TX 77508	USA	(713) 475-7181	www.ccrllt.com	Kerry Collings Marketing
Carpenter Group	222 Napoleon St., San Francisco, CA 94124	USA	(415) 285-1954	www.carpentergroup.com	Bernie Martin
Cascade Rigging Inc.	9887 SE Mather Road, Clackamas, OR 97015	USA	(503) 722-7500	www.cascaderigginginc.com	Bob Cushman President
CECA LLC	158 Bails Road, Ripley, MS 38663	USA	(662) 316-3722	www.cecaforge.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	9100 Parklane Ave., Franklin Park, IL 60131	USA	(847) 455-6609	www.chicagohardware.com	Jay Richmond National Sales Manager
Cleveland City Forge	46950 State Route 18 West, Wellington, OH 44090	USA	(440) 647-5400	www.clevelandcityforge.com	Shelly Fairchild Division Marketing Manager
Coffing Hoists	2020 Country Club Road, Wadesboro, NC 28170	USA	(704) 694-2156	www.columbusmckinnon.com	Tom Trost Director of Sales-Western U.S.
Columbus McKinnon	205 Crosspoint Parkway, Getzville, NY 14068	USA	(716) 689-5400	www.columbusmckinnon.com	Tom Trust Director of Sales-Western U.S.
Commercial Group Lifting Products	12801 Universal Drive, Taylor, MI 48180	USA	(734) 947-4000	www.cgift.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	P.O. Box 40391, Nashville, TN 37204	USA	(615) 256-8658	www.cisrigging.com	Eric Schiller COO
Coordinated Wire Rope & Rigging	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 Mokuaea St., Suite F, Honolulu, HI 96819	USA	(808) 843-2020	www.cwrhawaii.com	David Tavares Manager

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Cortland Company	10633 West Airport Blvd, Suite 300 Stafford, TX 77477	USA	(832) 833-8000	www.cortlandcompany.com	Easton Schlender Technical Sales
Crosby Canada	145 Heart Lake Road, Brampton, ON L6W 3K3	Canada	(905) 451-9261	www.crosby.ca	Colin Basinger National Sales 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
Dakota Riggers & Tool Supply	704 East Benson Road, Sioux Falls, SD 57104	USA	(605) 335-0041	www.dakotariggers.com	Ben Kuhns Sales
Delta Rigging & Tools	21525 North Hwy. 288B Angleton, TX 77515	USA	(281) 595-4940	www.deltarigging.com	Anthony Piwonka Vice President, Sales
Denver Wire Rope & Supply	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	6650 Sterling Drive N., Sterling Heights, MI 48312	USA	(800) 521-9126	www.detroithoist.com	Charles Melder Sales Executive
Discount Wire & Sling	4836 N.E. 11th Ave., Ft. Lauderdale, FL 33334	USA	(954) 772-7173	www.discountwireandsling.com	William Davis Owner
Diversified Lifting Systems	4702 Distribution Drive, Tampa, FL 33605	USA	(800) 752-1214	www.diversifiedlifting.com	Billy Crowe President
Doleco USA,	290 Pratt St. Meriden, CT 06450	USA	(203) 440-1940	www.doleco-usa.com	Ralph Albato President
Dominion Steel Specialties	5301 Polk St., Building 18, Houston, TX 77023	USA	(713) 678-8141	www.dominionsteel.com	Andy Comeaux General Manager
Durabilt by Durbin	2545 S. 25th Ave. Broadview, IL 60155	USA	(636) 463-1272	www.durabiltusa.com	Martin Kicki Operations
E. M. Blue's Sons	P.O. Box 9521, Houston, TX, 77261	USA	(713) 926-6007	www.emblues.com	Carl Smith President
Ed's Wire Rope & Rigging	11039 I St., Omaha, NE 68137	USA	(402) 614-8811	www.edswirerope.com	Ed Jackson Owner
Elite Sales	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
Eriez Magnetics	2200 Asbury Road, Erie, PA 16506	USA	(814) 835-6000	www.eriez.com	Dan Zimmerman Director of Business Development
ESCO Corporation	P.O. Box 10123, Portland, OR 97210	USA	(503) 778-6768	www.escocorp.com	Kirk Yoresen Global Product Manager
F & M Mafco/QC21 Lifting Products	9149 Dry Fork Road, Harrison, OH 45030	USA	(513) 367-2151	www.qc21slings.com	Mark Freel Product Specialist
F.D. Lake Company	P.O. Box 8831 3313 Lousma Drive SE, Grand Rapids, MI 49518	USA	(616) 241-5639	www.fdlake.com	Michael Posey General Manager
Feeney Inc.	2603 Union Street, Oakland, CA 94607	USA	(800) 888-2418	www.feeneyinc.com	Katrina Ralston President
First Sling Technology	1125 West Hwy 152, Suite 113, Mustang, OK 73064	USA	(877) 453-4778	www.firstsling.com	Linda Summers President & Owner
Franklin Offshore Americas	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
Groupe Industriel DL	675 Boulevard Lionel-Boulet, Varenes QC J3X 1P7	Canada	(450) 652-5553	www.groupeidl.ca	Natalie St-Amant Vice President of Business Development
Gunnebo Johnson Corp.	1240 N. Harvard Tulsa, OK 74115	USA	(918) 832-8933	www.gunnebojohnson.com	Kris Cleveland Senior Vice President

Hanes Supply Inc.	55 James E. Casey Drive, Buffalo, NY 14205	USA	(716) 826-2636	www.hanessupply.com	John Kane Director of Marketing
Hercules SLR	520 Windmill Road, Dartmouth, NS B3B 1B3	Canada	(902) 482-3125	www.herculesslr.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	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	45 North Cooley Drive, Oklahoma City, OK 73127	USA	(405) 789-7125	www.horizoncableinc.com	Bruce Miller Owner
HWP Rigging	1017 Olive Street, Suite 1000 C St. Louis, MO 63101	USA	(314) 436-9019	www.hwprigging.com	
Ideal Wire Rope	13101 S. Alameda St., Compton, CA 90222	USA	(310) 604-1853	www.idealwirerope.com	Bill Adams Technical Sales
Indusco Wire Rope & Supplies	1200 W. Hamburg St., Baltimore, MD 21230	USA	(800) 727-0665	www.induscowire.com	Gayle Protzko VP - General Manager
Industrial Rigging & Supply	1-25 McLaren Ave., Cambridge, ON N1R 8K9	Canada	(519) 624-9697	www.industrialrigging.ca	Greg Kockrow Plant Manager
Industrial Splicing & Sling	1842 North 109 East Ave., Tulsa, OK 74116	USA	(918) 835-4452	www.industrialsplicing.com	Mike Parham Sales Manager
Industries Lam-E Inc.	1050 Boul. Charest Quest, Quebec, QB G1N 0A3	Canada	(418) 652-9759	www.lam-e.com	Martin Auclair
Intercon Enterprises	1125 Fir Ave., Blaine, WA 98230	USA	(800) 665-6655	www.intercononline.com	A. J. Schenk Vice President of Sales
J.C. Renfroe & Sons	1926 Spearing St., Jacksonville, FL 32201	USA	(904) 356-4181	www.jcrenfroe.com	Joe Pless Marketing Manager
J. Henry Holland	5931 Thurston Ave., Virginia Beach, VA 23455	USA	(757) 460-3300	www.jhenryholland.com	Larry Lusk VP - General Manager
Jergens, Inc.	15700 S. Waterloo Road, Cleveland, OH 44110	USA	(877) 486-1454	www.jergensinc.com	Bob Kucinic National Sales Manager
John A. Batchelor Company	5922 Triumph St., Commerce, CA 90040	USA	(323) 262-4125	www.batchelorinc.com	John A. Batchelor, Jr. Owner
John Sakash Company	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	P.O. Box 93, 717 N. 15th St., Bowling Green, MO 63334	USA	(573) 324-3212	www.knighteq.com	Ray Knight Owner
Kulkoni	502 Garden Oaks Blvd. Houston, TX 77018	USA	(713) 691-1234	www.kulkoni.com	Michael Rothermund Vice President of Sales
KWS.	P.O. Box 470487, Tulsa, OK 74147	USA	(539) 367-2274	www.kwschain.com	Elizabeth Roberts VP Operations
Laclede Chain Manufacturing	1549 Fenpark Drive, Fenton, MO 63026	USA	(636) 680-2320	www.lacledechchain.com	Greg Luerkens
Lamco Slings & Rigging I.	4960 41st Street Court, Moline, IL 61265	USA	(309) 764-7400	www.lamcoinc.com	William Lambrecht Owner
Landmann Wire Rope Products	6500 Goodyear Road, Benicia, CA 94510	USA	(707) 748-1700	www.landmannwire.com	Rick Colvin President
Lift-All Company	1909 McFarland Dr. Landisville, PA 17538	USA	(800) 909-1964	www.lift-all.com	
Liftex Corporation	780 Falcon Circle, Suite 105 Warminster, PA 18974	USA	(215) 957-9180	www.liftex.com	Stephen Keller National Sales Manager
Lifting & Rigging Specialty Sales, Inc.	2100 West Drive, Greensburg, PA 15601	USA	(724) 552-0083	www.thechainman.com	Harry Coulter Owner
Lift-It Manufacturing Company	1603 W. 2nd St., Pomona, CA 91766	USA	(909) 469-2252	www.lift-it.com	Mike Gelskey CEO

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
LiftPRO International	5959 Seville Road, Duluth, MN 55811	USA	(218) 729-9211	www.liftpro.com	Fred Ambli Owner
Linton Rigging Gear Supplies	6819 Hwy 311, Sellersburg, IN 47172	USA	(812) 246-3515	www.lrgsupplies.com	Ray Linton Owner
LGH	9925 S. Industrial Drive, Bridgeview, IL 60455	USA	(708) 598-4727	www.rentlgh.com	Patrick Clark National Rental Support
Lone Star Rigging	4175 W. Cardinal Drive, Beaumont, TX 77705	USA	(409) 842-2263	www.lonestarrigging.com	Chris Richardson Owner
LUBE-A-BOOM	8151 River Bay Drive East, Indianapolis, IN 46240	USA	(317) 501-1104	www.lubeaboom.com	Jo Roberts VP of Operations
Magna Lifting Products	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
Marcas Rope & Rigging	P.O. Box 477, 1862 E. Broadway, Alton, IL 62002	USA	(618) 462-0172	www.marcasrigging	Tom Miller President
Marine & Industrial Supply	150 Virginia St., Mobile, AL 36652	USA	(251) 438-4617	www.marineandindustrial.com	Leroy Benton, III President
Marine Rigging	552 Beauregard St., Mobile, AL 36603	USA	(251) 432-1212	www.marinerigging.com	Kinley Bell President
Mazzella Lifting Technologies	21000 Aerospace Pkwy, Cleveland, OH 44142	USA	(440) 239-7000	www.mazzellalifting.com	Bill Franz
Memphis Chain & Cable Services LLC	581 Pear Ave., Memphis, TN 38107	USA	(901) 524-1100		Steve McAlpin Owner
Metro Wire Rope Corporation	553 Lehigh Ave., Union, NJ 07083	USA	(908) 964-3690	www.metrowirerope.com	Jack Gibbons President
Miami Cordage/Florida Wire & Rigging Works	2475 Northwest 38th St., Miami, FL 33142	USA	(305) 636-3000	www.miamicordage.com	Fran Hoffman Marketing Director
Mid America Industries	7701 St. Clair Ave., East St. Louis, IL 62203	USA	(618) 398-5221		Greg Brown Manager
Midco Sling & Cable	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
Modulift UK	11 New Fields Business Park, UK Stinsford Road, Poole, Dorset BH17 0NF		+44 1202 621511	www.modulift.com	Sarah Spivey Managing Director
Moore Sales	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	27 Foundry St., Central Falls, RI 02863	USA	(800) 375-2052	www.murdockweb.com	Ray Clarke Vice President of Sales
Napco & Associates	P.O. Box 826, Winona, MN 55987	USA	(507) 452-5424		Steve Napieralski Owner
National Industrial Supply	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	2 Cedar St., Lewiston, ME 04240	USA	(888) 450-0477	www.newenglandcrane.com	Scott Harding Vice President
New Haven Moving Equipment Co.	13571 Vaughn St., San Fernando, CA 91340	USA	(213) 749-8181	www.newhaven-usa.com	Larry Levine Managing Principal

Newco Manufacturing	13531 Wyandotte St., Kansas City, MO 64145	USA	(816) 942-2860	www.newcomfg.com	Erica Ryles General Manager
Newell Davis Co. Inc.	2962 N. Kerr Ave., Wilmington, NC 28405	USA	(910) 762-3500	www.newelldavis.com	Teresa McGee President & CEO
Norex Manufacturing Co. Ltd.	P.O. Box 2951, Sumas, WA 98295	USA	(604) 888-2100		Norbert Schottko President
Northern Metalic Sales (FSJ) Ltd	10407 Alaska Road, Fort St. John, BC V1J 1B1	Canada	(250) 785-6655	www.northernmetalicsfsj.com	Bruce Mitchell General Manager
Oceanside Equipment Ltd	30 Akerly Blvd., Dartmouth, NS B3B 1N1	Canada	(902) 468-4844		Greg Maloney President
Olsen Chain & Cable	P.O. Box 970, Cokato, MN 55321	USA	(320) 286-2187	www.olsenchain.com	Dave Camp Vice President
Omaha Slings	4406 South 89th St., Omaha, NE 68127	USA	(402) 331-0911	www.omahaslings.com	Daniel Papst President
Pacific Cargo Control	18200 S.W. Teton Ave., Tualatin, OR 97062	USA	(800) 821-8431	www.pacificcargo.com	Ken Webb Corporate Sales
Pacific Industrial Supply	1231 S Director St., Seattle, WA 98108	USA	(206) 682-2100	www.pacificindustrial.com	Lee Frazier Owner
Pacific West Wire Rope	6417 Bandini Blvd., City of Commerce, CA 90040	USA	(323) 724-7724	www.pacwestwirerope.com	Dale Kreinkamp CEO
Pacific-Gulf Wire Rope, Inc.	1504 Engineers Road, Belle Chasse, LA 70037	USA	(504) 341-0066	www.pacificgulfwirerope.com	Keith Plaisance President & Owner
Paducah Rigging	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	600 W Crossroads Pkwy., Bolingbrook, IL 60440	USA	(800) 526-3924	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	30660 8 Mile Road, Farmington, MI 48336	USA	(248) 478-6353	www.precisionriggers.com	Thomas Earle Owner
Premier Wire Rope	5048 Timber Creek Drive, Houston, TX 77017	USA	(713) 979-5300	www.premierwirerope.com	Steve Brewer Vice President of Sales & Marketing
Python America/ASC	1406 W 175th St., East Hazel Crest, IL 60429	USA	(708) 647-4900	www.ascindustries.com	Tony Fastuca Vice President
Rasmussen Equipment	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	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

RIGGING GEAR/HARDWARE & WIRE ROPE *continued*

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Safe 'N Secure USA	2673 Freewood Drive, Dallas, TX 75220	USA	(214) 358-4565	www.safensecureusa.com	Ken Webb Sales & Marketing
Safety Clamps	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	3417 E. Waterloo Road, Akron, OH 44312	USA	(330) 628-4881	www.samwinermotors.com	Sid Zetzer Finance Executive
Samsel Supply Co.	1285 Old River Road, Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	Kathy Petrick President
Samson Rope Technologies	2090 Thornton Street, Ferndale, WA 98248	USA	(360) 384-4669	www.samsonrope.com	Michelle Jarvis Marketing Strategy Manager-Industrial
Saturn Industries Ltd.	37 Sylvan Way, Winnipeg, Manitoba R2R 1V9	Canada	(204) 633-1529	www.saturnind.com	John Lang
Sea-Fit	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-fit.com	Tyrus Smith Marketing Manager
Sea-Land Distributors	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.I	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 Solutions	205 Bridgewater Road Aston, PA 19014	USA	(610) 485-8500	www.slingmax.com	Dan Ross Marketing Manager
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
Southern Wire Corp.	8045 Metro Road, Olive Branch, MS 38654	USA	(662) 893-4644	www.southernwire.com	Andrew Hall Vice President and General Manager
Southwest Ocean Services	5721 Harvey Wilson Drive, Houston, TX 77020	USA	(713) 671-9101	www.swos.net	Conrad Reynolds Sales Manager
SpanSet, Inc.	3125 Industrial Drive, Sanford, NC 27332	USA	(501) 658-9665	www.spanset-usa.com	Todd Sharp
Suncor Stainless	70 Armstrong Road, Plymouth, MA 02360	USA	(508) 732-9191	www.suncorstainless.com	Loye Young
Superlift Wire Ropes USA, LLC	836 Registry Terrace, Kennesaw, GA 30152	USA	(678) 575-5182		Terry Miller
Tandemloc, Inc.	824 Hwy 101, Havelock, NC 28532	USA	(800) 258-7324	www.tandemloc.com	John DiMartino President
Tennessee Sling Center	3501 Clio Ave., Chattanooga, TN 37407	USA	(423) 634-9005	www.tennesseeslingcenter.com	Terry Roderick General Manager
TTEUFELBERGER Holding AG	Vogelweiderstrasse 50, 4600 Wels	Austria	+43 7242 615-0	www.teufelberger.com	DI Stefan Punchner Product Manager
The Crosby Group	2801 Dawson Road Tulsa, OK 74110	USA	(800) 772-1500	www.thecrosbygroup.com	Ron Vanderslice Marketing Director

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
Unirope	3070 Universal Drive, Mississauga, ON L4X 2CB	Canada	(905) 624-5131	www.unirope.com	Knut Buschmann President
Unitex Group USA	P.O. Box 455, 104 Hurrican Creek Road, Piedmont, SC 29673	USA	(864) 846-8690	www.unitexusa.com	Dan Posa
USHA Martin Americas, Inc.	701 Plastics Ave., Houston, TX 77020	USA	(713) 676-1800	www.ushamartin.com	Sunil Sadani Vice President of Commercial
Van Beest USA LLC	P.O. Box 96529, 1357 Sheffielde Blvd., Houston, TX 77015	USA	(713) 674-5753	www.vanbeest.nl	Chris Keffer
Verope USA	11018 Pleasantville Drive, Houston, TX 77029	USA	(832) 831-0132	www.verope.com	Chase Richter Sales Manager
Visco Inc.	P.O. Box 67127, Lincoln, NE 68506	USA	(402) 489-6492	www.viscoinc.com	Larry Isaacson Owner
Voto Manufacturers Sales Company	P.O. Box 1299, 500 N. Third St., Steubenville, OH 43952	USA	(740) 282-3621	www.votosales.com	Janie Mayle President
Washington Wire Rope	8411 Irvington Blvd., Houston, TX 77022	USA	(800) 332-2376	www.wwirerope.com	Robert Tenorio Sales
WESCO Industries	Unit 1, 9663 - 199 A St., Langley, BC V1M 2X7	Canada	(604) 881-3000	www.wescovan.com	Kaz Arai President
West Coast Wire Rope & Rigging Inc.	2900 N.W. 29th Ave., Portland, OR 97210	USA	(800) 275-0482	www.wcwr.com	Steve Hughes
West Equipment Co., Inc.	1545 E. Broadway, Toledo, OH 43605	USA	(419) 698-1601	www.thewestequipment.com	Bernard Erdmann President
Western Sling & Supply Co.	P.O. Box 208, Sedalia, CO 80135	USA	(303) 688-0978	www.westernsling.com	Stan Truitt President
Wireco WorldGroup	2400 W 75th Prairie Village Kansas City, KS 66208	USA	(816) 270-4700	www.wirecoworldgroup.com	Blake Chandler SVP Global Mining & Sales
Wire Rope Industries	5501 Trans-Canada Hwy., Pointe-Claire, QC H9R 1B7	Canada	(514) 426-6647	www.wirerope.com	Vladimir Miladinovic Manager of Business Intelligence
Wire Rope Technology	Grunenthaler. 40a, 52072 Aachen	Germany	+49 241 173147	www.ropetechnology.com	Roland Verreet Owner
Wirerope Works, Inc.	100 Maynard St., Williamsport, PA 17701	USA	(570) 327-4206	www.wvrope.com	Bill Austin Marketing Director
Wisconsin Lifting Specialists, Inc.	P.O. Box 1621, 2033 W. St. Paul Ave., Milwaukee, WI 53201	USA	(414) 342-7475	www.masterrigging.com	Dave Cappell Owner
Worldwide Enterprises, Inc.	70 Commercial Way, East Providence, RI 02914	USA	(888) 297-3900	www.wvwirerope.com	Jack Petrone Owner
Yale Cordage	77 Industrial Park Road Saco, ME 04072	USA	(207) 282-3396	www.yalecordage.com	Bill Putnam President

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Yarbrough Cable Service	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	645 Wellington Street Montreal, Quebec, H3C 1T2	Canada	(514) 287-1166	www.cm-labs.com	Lisa Barbieri VP Marketing & Product Management
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	Michael Stenberg President
Eartec Co.	145 Dean Knauss Drive Narragansett, RI 02882	USA	(401) 782-4966	www.eartec.com	Leigh O'Connor Marketing Manager
Etiflex Corp	2500 E Hallandale Beach Boulevard Hallandale Beach, FL 33309	USA	(305) 824-9078	www.etiflex.com	Alicia Margulis Vice President
GoLight Inc.	37146 Old Highway 17 Culbertson, NE 69024-8226	USA	(308) 278-3131	www.golight.com	Jeff Shaddock Industrial Service Manager
Infochip Systems Inc.	#203, 1122- 3rd Ave South, Lethbridge, AB T1J 0J6	Canada	(877) 747-2448	www.infochip.com	Tom Bamford Owner
Insulatus Inc.	708 Marks Road, Ste B Valley City, OH 44280	USA	(216) 925-5387	www.insulatus.com	Jonathan Mitchell Sales Manager
Keytroller	3907 W. Martin Luther King Blvd, Tampa, FL 33614	USA	(813) 877-4500	www.keytroller.com	Terry Wickman
Lynn Safety	367 Civic Dr, Ste 8 Pleasant Hill, CA 94523	USA	(925) 609-7646	www.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 Manager
National Truck Services Group	1622 N Black Canyon Hwy Phoenix, AZ 85009	USA	(602) 944-5999	www.gontsg.com	Nicole Wendt Senior Account Manager
Orlaco Products B.V. North America	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.oralco.com	Peter Dove Account Manager
Pacific Systems Solutions	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	David Catanzaro CEO
Safety Resources Unlimited, Inc.	4800 S.W. 20th Street Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Jennifer Sale President
Sigalarm	4150 St. John's Parkway Suite 1002 Sanford, FL 32711	USA	(407) 321-0722	www.sigalarminc.com	Lance Burney President
SMIE	151-217 Voie H Impasse des Bruyères, 06370 Mouans-Sartoux	France	+33 182770070	www.smie.com	Jean-Charles Delplace CEO
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 Specialist	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account
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	1577 S. 8th St. Fernandina Beach, FL 32034	USA	(904) 430-0355	www.A1ASoftware.com	Tawnia Weiss President
Alert Management Systems	617 N 17th St., Suite 250, Colorado Springs, CO 80904	USA	(719) 634-7755	www.alert-ims.com	Kara Longmire President/CEO
AnyDATA Corp	5 Oldfield Irvin, CA 92618	USA	(949) 900-6040	www.anydata.com	Anne Simons
Avontus Software Corp.	2150 Shattuck Ave, Suite 750 Berkeley, CA 94704	USA	(800) 848-1860	www.avontus.com	Ali Hajighafouri Global Sales Director
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
EvokedSet Limited	Davidson House, Forbury Square, Reading, Berkshire RG1 3EU	UK	+44 (0) 844 870 8025	www.evokedset.com	Nicky Denovan (Davis) Director
Fleet Cost & Care	865 S Fort Street Detroit, MI 48217	USA	(800) 281-9445	www.fleetcostcare.com	Jeff Curran President
Fleet Management Solutions Inc.	3426 Empresa Dr, Ste 100, San Luis Obispo, CA 93401	USA	(805) 787-0508	www.fmsgps.com	Mike Jarvinen VP Marketing
Genisys Software Inc.	8601 73rd Ave N - Suite 21, Brooklyn Park, MN 55428	USA	(763) 391-6133	www.genisys.com	Ray Bonestroo President
Haag Engineering Co.	625 Industrial Blvd. Sugar Land, TX 77478-2819	USA	(281) 313-9700	www.haagengineering.com	Dustin Childress Assistant Vice President
Hook Cam / Pacific Solutions	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	Emily B. Hayne Marketing Manager
InfoChip Systems Inc.	111 Northwood Circle Wetaskiwin, AB T9A 3L4	Canada	(877) 747-2448	www.infochip.com	Chris Gelowitz President
LiftPlanner Software	105 Geneva Blvd Burnsville, MN 55306	USA	(952) 435-6126	www.liftplanner.com	Jim Meehan Owner
McLeod Software	2550 Acton Road Birmingham, AL 35243	USA	(877) 362-5363	www.McLeodSoftware.com	Rick Halbrooks Vice President of Sales
N4 Systems Inc.	111 Queen Street East, Suite 240, Toronto, ON M5C 1S6	Canada	(647) 477-6975	www.n4systems.com	Somen Mondal Vice President of Sales & Marketing
Netarus	4855 Brookside Ct. Unit B Norfolk, VA 23502	USA	(757) 819-4600	www.hoistcam.com	Chris Machut Chief Technology Officer
Orion Software	6000 Cote-des-Neiges, Suite 240, Montreal, Quebec H3S 1Z8	Canada	(514) 484-9661	www.orion-soft.com	Andre Gilbert President
PeopleNet	4400 Baker Road Minnetonka, MN 55343	USA	(888) 346-3486	www.peoplenetonline.com	Brian McLaughlin President
Point of Rental Software	1901 N State Hwy 360, Ste 340, Grand Prairie, TX 75050	USA	1-(800)-944-7368	www.point-of-rental.com	Greg Bennett Vice President of Sales
ProMiles Software	P O Box 398 Bridge City, TX 77611	USA	(409) 697-2587	www.promiles.com	Tony Stroncheck President, Sales & Marketing
Qualcomm	5775 Morehouse Dr. San Diego, CA 92121	USA	(858) 587-1121	www.qualcomm.com	Emily Kilpatrick Director of Public Relations

SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT continued

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

SPECIALIZED RIGGING/LIFTING MANUFACTURERS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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	Kendal Siegrist Sales Manager
Columbus McKinnon Corp.	205 Crosspoint Pkwy Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trost Director of Sales-Rigging
Cometto S.p.A.	Via Cuneo, 20 Borgo San Dalmazzo (CN) 12011, Italy	Italy	+39 0171 263300	www.cometto.com	Alberto Di Stefano Sales Manager
Edwards Moving & Rigging, Inc.	200 Everett Hall Road Shelbyville, KY 40065	USA	(502) 633-1961	www.edwardsmoving.com	John Vaughan Senior Vice President

Enerpac	N86 W12500 Westbrook Crossing, Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Product Line Director Heavy Lifting Technology
Engineered Rigging	300 Industrial Blvd Russellville, AR 72802	USA	(219) 712-4579	www.engineeredrigging.com	Christopher Cox President
Engineered Heavy Services	4116-34th Avenue NE, # B, Everett, WA 98205	USA	(425) 259-0213	www.genps.net	Greg Nordholm Owner
EzRig Crane	1500 Palma Dr. 2nd Floor, Ventura, CA 93003	USA	(805) 643-4387	www.ezrigcrane.com	Andy Collins
Fagioli Inc.	21310 Highway 6 Manvel, TX 77578	USA	(281) 997-3434	www.fagioli.com	Edoardo Ascione President
Faymonville Distribution	Duarrefstrooss 8, L-9990 Weiswampach	Luxembourg	352 26 90 04 155	www.faymonville.com	Paul Hönen 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 Inc.	7401 Riviera Boulevard Miramar, FL, 33023	USA	(954) 668-2380	www.goldhofer.us	Gerald Rothwell Director of Sales, North America
Greenfield Products LLC	3111 West 167th Street Hazel Crest, IL 60429	USA	(708) 331-3115	www.greenfieldpi.com	Gustavo Anzola (Gus) Sales Manager
Guay, Inc.	1160 Bouvier St Quebec City, QC	Canada	(418) 628-8460	www.gruesguay.com	Jean-Marc Baronet President
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	Chris Holland President
Hydra-Slide Ltd.	84 Royal Road Guelph, ON N1H 1G3	Canada	(519) 900-1450	www.hydra-slide.com	Janine Smith Vice President
Hydraulic Skidding Systems Industrial Inc.	12 Highlander Street St. George, Brant, ON N0E 1N0	Canada	(519) 448-3919	www.hydraulicskidding systems.com	Richard Bisch President/Owner
Industrial Magnetics, Inc.	1385 M-75 South Boyne City, MI 49712	USA	(231) 582-3100	www.magnetics.com	Dennis O'Leary President
Industrie Cometto S.P.A.	12011 Borgo S. Dalmazzo Cuneo, Via Cuneo, 20	Italy	+39 0171 263300	www.cometto.com	Giovanni Monti Sales Director
J&R Engineering Co. Inc.	538 Oakland Avenue Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	John McMahon VP Sales & Service
Kitchen's Crane & Equipment	7913 Dunnottar Ct. Chesterfield, VA 23838	USA	(804) 814-4844	www.kitchensequipment.com	Eddy Kitchen Director
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	William Lampson President & CEO
Liftking Manufacturing Corporation	7135 Islington Ave Woodbridge, ON L4L1V9	Canada	(905) 265-3965	www.liftking.com	Jeff Cockerton General Manager
Lift Systems, Inc.	P O Box 906 Moline, IL 61266	USA	(309) 764-9842	www.lift-systems.com	Brian Wagner VP Sales and Marketing
Logistic Dynamics, Inc.	155 Pineview Drive Amherst, NY 14228	USA	(541) 306-6732	www.ldispecialized.com	JB Baker General Manager
MAGNA Lifting Products, Inc.	P O Box 2290 Blaine, WA 28931	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
Mammoet Americas Holding Inc.	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	John Halfweeg President, Americas
Mid-Atlantic Lift	309 Roxbury Industrial Court Charles City, VA 23030	USA	(804) 387-9373	www.midatlanticlift.com	Travis Hall Manager
Mi-Jack Products	3111 W 167th Street Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager Director
Modulift UK Ltd	11 New Fields Business Park Stinsford Rd, Poole BH17 0NF	UK	(0) 1202 621511	www.modulift.com	Malcolm Peacock Business Development Manager
Power Pusher	546-2895 Derry Road East Mississauga, ON L4T 1A6	Canada	(905) 764-6942	www.pushorpull.com	Slim Baksh VP Sales and Marketing
Riggers Manufacturing Company	PO Box 506 Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
Rigging Gear Sales	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 NA

SPECIALIZED RIGGING/LIFTING MANUFACTURERS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Shuttlelift	49 E. Yew Street Sturgeon Bay, WI 54235	USA	(920) 743-1522	www.shuttlelift.com	Kurt Minten Sales Director
TransWorld Manufacturing	6109 Dean Martin Drive Las Vegas, NV 89118	USA	(702) 798-8920	www.twm-usa.com	Crystal Dieleman, President
Water Weights Inc.	470 Satellite Blvd NE Suwanee, GA 30024	USA	(678) 730-4180	www.waterweightsinc.com	Jim Jota Marketing Manager

TRAINING CERTIFICATION & INSPECTION SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
ACRA Enterprises	5950 Red Arrow Hwy Stevensville, MI 49127	USA	(269) 429-6240	www.acratech.com	Jerry Klinke Owner
All Crane Training USA Inc.	9131 San Leandro Street #110, Oakland, CA 94603	USA	(510) 638-6243	http://actuinc.com	Stephanie Carmignani Owner
All Test & Inspection	9998 Goodhue St N E Blaine, MN 55449	USA	(763) 780-2312	www.alltest.com	Scott Winters Vice President
AmCrane	2544 Stoneview Road Orlando, FL 32806	USA	(407) 709-3268	www.amcranes.com	Burt Thorpe Training Manager
America Crane Training Services Inc.	PO Box 740177 Orange City, FL 32774	USA	(386) 843-9726	www.americacranetraining.com	Bonna Hastings President
American Crane Training & Consulting	PO Box 760 Claremont, CA 91711	USA	(805) 314-4121	www.americancranetraining.com	Greg Peters Owner
American International Crane Bureau – AICB	12514 Woody Road Pearland, TX 77581	USA	(281) 871-1863	www.cranebureau.com	Justin Meade Operations & Development Manager
American Test Center	2773 Prairie Drive River Falls, WI 54022-0408	USA	(800) 451-9087	www.atctest.com	Dennis Ireland President
Apprenticeship & Skill Improvement Program	19800 W South Arsenal Rd Wilmington, IL 60481	USA	(815) 722-3201	www.asiplocal150.org	James M. Sweeney Chairman
Arxcis Inc.	PO Box 689 Kingston, WA 98346	USA	(360) 297-3693	www.arxcis.com	Myron Lee Co Founder
Associated Training Services	7190 Elder Lane Sun Prairie, WI 53590	USA	(608) 354-0765	www.operator-school.com	John Klabacka President
Atlantic Crane Inspections Service	P O Box 747 Bensalem, PA 19020	USA	(215) 639-2579	www.atlanticcrane.com	Bill Hottenstein President
Barth Crane Inspections LLC	P O Box 1493 Goose Creek, SC 29445	USA	(843) 871-8877	www.craneoperator.com	Tom Barth Owner
BC Association for Crane Safety	P O Box 48883 Bentall 595 Burrard Street Vancouver, BC V7X 1A8	Canada	(604) 336-4699	www.bcacs.ca	Fraser Cocks Executive Director
California Crane School	111 Bank Street #254 Grass Valley, CA 95945	USA	(888) 967-7277	www.californiacraneschool.com	Kayla Hennesey Director of Operations
Cairo Marine Service	P.O. Box 620 Jackson, MO 63755	USA	(573) 243-6772	www.cairomarineservice.com	Bruce Marrs President
CH CSR Consultants	277 Brazos Way Caldwell, TX 77836	USA	(979) 272-0478	www.chcrane.com	Derek Henson Owner
CM Crane & Training Services	688 Lakewood Drive	USA	(619) 502-1383	www.cmcrane.net	Burke Craghead President
Columbus McKinnon Training	140 John James Audubon Amherst, NY 14228	USA	(716) 689-5400	www.cmworks.com/training	
Construction Safety Experts	7032 Copperleaf Place Cary, NC 27579	USA	(919) 632-3068	www.safety-xperts.com	Terry Young CEO
Crane Certification Services	8076 Richard Road Broadview Heights, OH	USA	(216) 789-6562	www.cranecert.com	George Wancata Owner
Crane Exam	221 S. 35th Street Phoenix, AZ 85009	USA	(602) 541-0364	www.craneexam.com	Ronnie Gray Senior Technical Trainer
Crane Industry Services, LLC	165 Edge Road Suite 109 Villa Rica, GA 30180	USA	(770) 783-9292	www.centeredonsafety.com	Ray Rice Business Development Manager
Crane Inspection & Certification Bureau (CICB)	11112 Boggy Creek Rd Orlando, FL 32824	USA	(800) 327-1386	www.cicb.com	Billy Cook Director of Sales
Crane Inspection Services	P O Box 461, Fairhope, AL 36533	USA	(251) 928-6262	www.craneinspection.com	Flynn Pritchett President
Crane Institute Certification	4011 W. 1st Street Sanford, FL 32771	USA	(844) 546-3362	www.cicert.com	Christine Cromarty Administration
Crane Institute of America	3880 St. John's Parkway Sanford, FL 32771	USA	(407) 322-6800	www.craneinstitute.com	Kelly Cowart Products Manager

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 Mendon Street Bellingham, MA 02019	USA	(508) 966-4100	www.cranes101.com	Sean Kelly General Mgr
Crane Safety Associates of America	730 Oak Grove Road McDonough, GA 30253	USA	(800) 356-2212	www.cranesafetyassociates.com	Shane Adams President
Crane Tech, LLC	1215 Millennium Parkway Brandon, FL 33511	USA	(800) 521-7669	www.cranetech.com	Tony Dotto Operations Manager
Crane U, Inc.	782 Heatherwood Dr. Birmingham, AL 35244	USA	(855) 9CRANEU	www.craneu.com	Scotty Gaut President/Owner
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 Simoney Owner
Crawford Custom Consulting	11139 Cutter Road Meadville, PA 16335	USA	(814) 333-9600	www.crawfordcustom.com	Bill Hough Owner
Crews Crane Training International	2021 Arden Place	USA	(336) 337-1043	www.cranetraininginternational.com	Joe Crews CEO/President
Domson Engineering & Inspection	190 Wilkinson Rd., Unit 2 Brampton, ON L6T 4W3	Canada	(905) 789-1326	www.domson.ca	Dennis Domeichini, President
ehs International, Inc.	9371 Irvine Blvd, Suite 250, Irvine, CA 92610	USA	(949) 540-6800	www.ehsinc.org	Eric Garcia VP Marketing
Equipment Safety Services	18521 E. Queen Creek Rd., #105-614, Queen Creek, AZ 85142	USA	(480) 860-4329	www.maxboom.com	Brian Doonan Owner
Equipment Training Solutions, LLC	P. O. Box 597 Stratford, NJ 8084	USA	(856) 669-8516	www.equipmenttraining solutions.com	
Falck Safety Services	209 Clendenning Road Houma, LA 70363	USA	(866) 404-9564	www.falck.com	Jacob Le Compte Sales Executive
Global Crane & Rigging Certification	3500 Queenan Industrial Park Road Westlake, LA 70669	USA	(337) 882-6006	www.globalcrane.com	Keith Queenan President
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
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
Ironworkers International Union	1750 New York Avenue NW Washington, DC 20006	USA	(800) 545-4921	www.ironworkers.org	Kenny Waugh Director, Industry Liaisons
IPT Publishing & Training	P O Box 9590 Edmonton, AB T6E 5X2	Canada	(780) 962-4819	www.iptbooks.com	Bruce Ashton and Ronald Garby
KC Training Technology	2543 Dixie Hwy Lakeside Park, KY 41017	USA	(859) 331-5564	www.kctrainingtechnology.com	Randy King Owner
Kissimee Crane School	1735 N Lane Ave Jacksonville, FL 32254	USA	(407) 931-0015	www.kisscranes.com	Glenda Merkel Sales Manager
Lift-It Manufacturing Co, Inc.	1603 West Second Street Pomona, CA 91766	USA	(909) 469-2251	www.lift-it.com	Mike Gelskey Jr. VP & General Manager
Morrow Training Center	3218 Pringle Rd SE Salem, OR 97302	USA	(503) 585-5721	www.morrow.com	Christian Chalupny President
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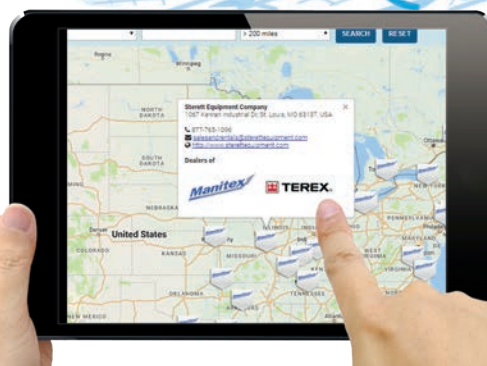
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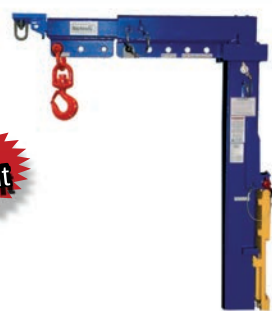
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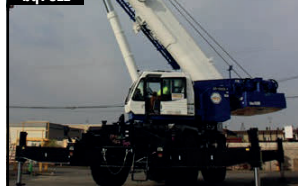
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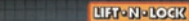
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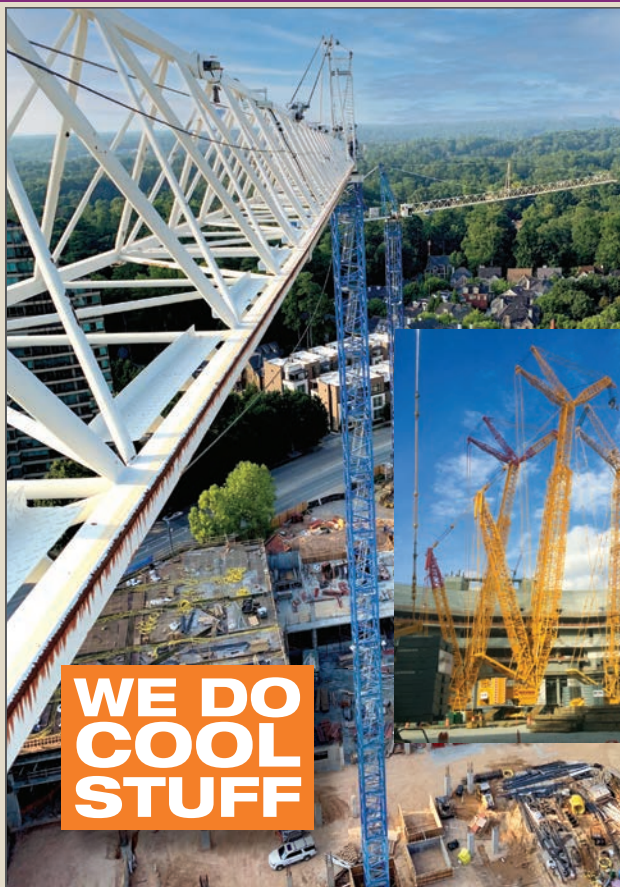


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- No moving parts, no bearings to fail or wind cups to break
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