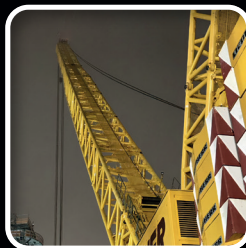


AMERICAN CRANES & TRANSPORT

ACT & SOURCEBOOK 2022

A KHL Group Publication

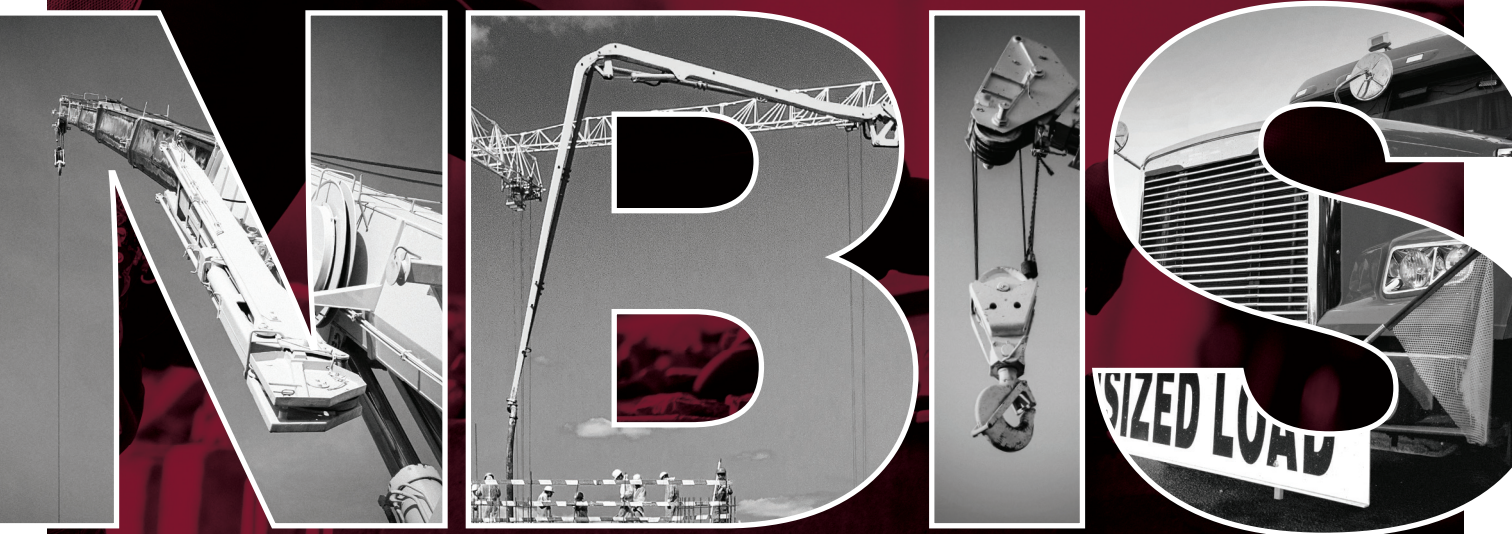
www.khl.com/act



- North American Crane Guide
- Manufacturers' and Services Directory
- Specialized Transport Manufacturers' Directory
- **ACT** Top Lists
- 2022 Events Diary



**INDUSTRY LEADERS.
INDUSTRY DEFENDERS.
INDUSTRY PARTNERS.**



FOR MORE THAN TWENTY YEARS, NBIS has been an endorsed insurance provider for the Specialized Carriers & Rigging Association, delivering custom, risk-management-based insurance policies to crane, rigging, specialized transportation and concrete pump companies of all sizes.

WWW.NBIS.COM

(866) 668-NBIS

SUBMISSIONS@NBIS.COM

COVERAGES

General Liability
Property/Inland Marine
Commercial Auto
Excess/Umbrella
Physical Damage
Custom Cargo/Transit
Workers' Compensation



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



Editorial

Editor

D. Ann Slayton Shiffler
d.ann.shiffler@khl.com
512 868 7482

Assistant editor

Hannah Sundermeyer
hannah.sundermeyer@khl.com
913 259 8060

International editor

Alex Dahm
alex.dahm@khl.com

Assistant international editor

Niamh Marriott
niamh.marriott@khl.com

SC&RA Correspondents

Tim Hillegonds, Mike Chalmers

Production

Events & creative director

Saara Rootes
saara.rootes@khl.com

Print production manager

- KHL Americas

Brenda Burbach
brenda.burbach@khl.com

Print production manager

- KHL Global

Anita Bhakta
anita.bhakta@khl.com

Digital & print production manager

- KHL Global

Charlotte Kemp
charlotte.kemp@khl.com

Design manager

Jeff Gilbert

Events design manager

Gary Brinklow

Designer

Jade Hudson

Circulation

Head of data & audience development

James Taylor
james.taylor@khl.com

Office manager

Philippa Smith
philippa.smith@khl.com

Fax subscriptions to 312 626 2115

Sales

Vice president, sales

MATT BURK

205 W. Randolph St., #1320
Chicago, IL 60606

T: 312-496-3314

C: 773-610-9467

matt.burk@khl.com

National account manager

BEV O'DELL

1000 SW Rainbow Lane

Blue Springs, MO 64015

T: 816 886 1858

C: 816 582 5253

bev.odell@khl.com

DIGITAL MEDIA DIRECTOR

Peter Watkinson

peter.watkinson@khl.com

CHIEF EXECUTIVE OFFICER

James King

CHIEF FINANCIAL OFFICER

Paul Baker

CHIEF OPERATING OFFICER

Trevor Pease

KHL GROUP AMERICAS LLC

3726 E. Ember Glow Way,

Phoenix, AZ 85050

T: 480-659-0578

F: 480-659-0678

americas@khl.com

Published by



www.khl.com

Exclusive!

The *American Cranes and Transport Sourcebook* is our exclusive annual yearbook of the crane, rigging and specialized transportation sector. This publication features all of the most pertinent information contained in *ACT* in 2021, as well as our "nowhere else you can find" North American Crane Guide. The *Sourcebook* has been a mainstay in the digital and hard copy libraries of crane rental companies, specialized transportation services companies, OEMs and pretty much the whole of our the 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 **ACT 100**, **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 the industry in North America. The 2022 *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 touch base with the entire database of companies in our industry at least once a year. Because of the cooperation from these entities, the *Sourcebook* grows more and more valuable. Our goal is to assess the most important information from each year and amalgamate it into this publication. The 2022 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

Editor

KHL Group Americas, 30325 Oak Tree Drive,
Georgetown TX 78628

Ph: 512-868-7482, E-mail: d.ann.shiffler@khl.com



KHL CRANE PORTFOLIO



ACT 100

ACTTRANSPORT50



KHL
Cranemarket
The online market place for buyers and sellers of used cranes
www.khlcranemarket.com

KHL's
Worldcrane week
Global news from International Cranes and Specialized Transport and American Cranes & Transport
www.worldcrane week.com

KHL's
Worldconstruction week
The latest global construction news from International Construction and Construction Europe
www.worldconstruction week.com



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

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 2021. *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 2022.

Rent & Roll!

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



RTC-8065 SERIES II
65 USt (60 mt)

75IRT
75 USt (70 mt)

85IRT
85 USt (80 mt)

100IRT
100 USt (90 mt)

120IRT
120 USt (110 mt)

RTC-80130 SERIES II
130 USt (120 mt)

RTC-80160 SERIES II
160 USt (145 mt)

www.linkbelt.com
Link-Belt ^{24/7}
Preferred
The online answer to all of your Link-Belt Crane questions.

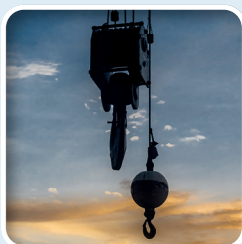
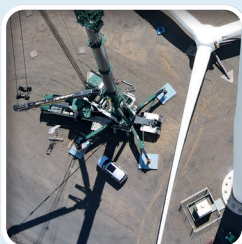
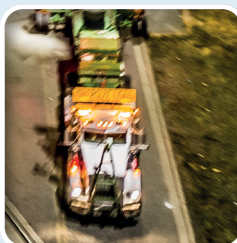
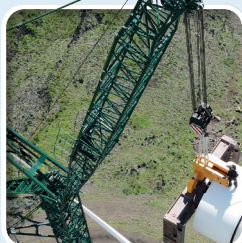
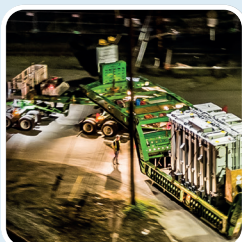
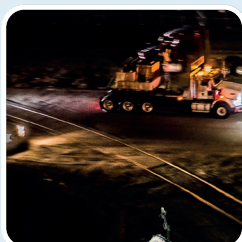
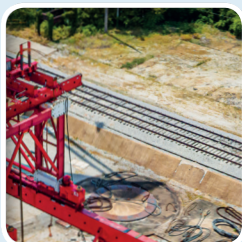
Lexington, Kentucky, USA | www.linkbelt.com

Find us on:    Link-Belt Cranes

Link-Belt
C R A N E S

What's in the Sourcebook?

Member of



About KHL Group	7
Lift & Move USA	9
SC&RA Jobs of the Year	11
NCCCCO News	26
NCCCCO Foundation	32
SC&RA News	34
Risk Management NBIS	44
Risk Management National Interstate	46
ACT100	49
ACTTRANSPORT50	59
SPECIALIZED LIFTING50	65
ACTTOWERCRANE50	71
Events Diary	74
Conversion Tables	76
Crane Guide	79
MOBILE CRANES	80
All Terrains	80
Rough Terrains	82
Truck Cranes	83
BOOM TRUCKS	84
CRAWLER CRANES	89
TELESCOPIC CRAWLERS	92
MEGA CRANES	93
TOWER CRANES	94
Luffing Jib	94
Saddle Jib	99
Self-erecting	108
ARTICULATING CRANES	110
INDUSTRIAL CRANES	115
RUBBER TIRED GANTRY CRANES	120
Specialized Transport Manufacturers' & Services Directory	122
Manufacturers' & Services Directory	125
Marketplace	158



Official domestic magazine of the SC&RA



Produced in cooperation with the NCCCCO

MISSING GEAR? HAVE NO FEAR!

TEST, INSPECT, CERTIFY, RENT, REPEAT

LGH sets the bar when it comes to equipment safety and reliability. With vertical and horizontal proof testing equipment, certified and experienced technicians on site at each of our rental locations and reliable processes in place for each piece of gear in our fleet, no equipment is safer or more reliable than equipment rented from LGH.

With 23 North American Rental Centers, the gear you need is just a phone call away.



THE LIFTING EXPERTS

 (800) 878-7305

 Rentals@RentLGH.com

 www.RentLGH.com/ACT

The KHL portfolio

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

MAGAZINES

- Access International
- Access Lift and Handlers
- American Cranes and Transport
- **COMPRESSORTECH**²
- Construção Latino-Americana
- Construcción Latinoamericana
- Construction Europe
- Demolition & Recycling International
- Diesel & Gas Turbine Worldwide
- Diesel Progress
- Diesel Progress International
- International Construction
- International Construction Türkiye
- International Cranes and Specialized Transport
- International Rental News
- New Power Progress
- Vinc Proje Tasimaciligi

www.khl.com/subscriptions

NEWSLETTERS

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

www.khl.com/newsletters

EVENTS

- ALH Conference and Awards
- Construction Sustainability Summit
- Construction Technology Summit
- Cranes and Transport Middle East
- D&Ri Conference
- D>WW Summit
- Diesel Progress Summit
- ESTA Awards of Excellence
- European Rental Awards
- International Awards for Powered Access (IAPAs)
- International Cranes & Transport Asia Pacific
- International Rental Conference Asia
- International Tower Cranes Conference
- New Power Progress Summit
- OHR Conference
- Off-Highway Global Briefing
- Tower Cranes North America
- World Crane and Transport Summit
- World Demolition Summit

EXHIBITIONS

- APEX
- APEX Asia
- International Rental Exhibition

www.khl-events.com

EVENT NEWSLETTERS

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

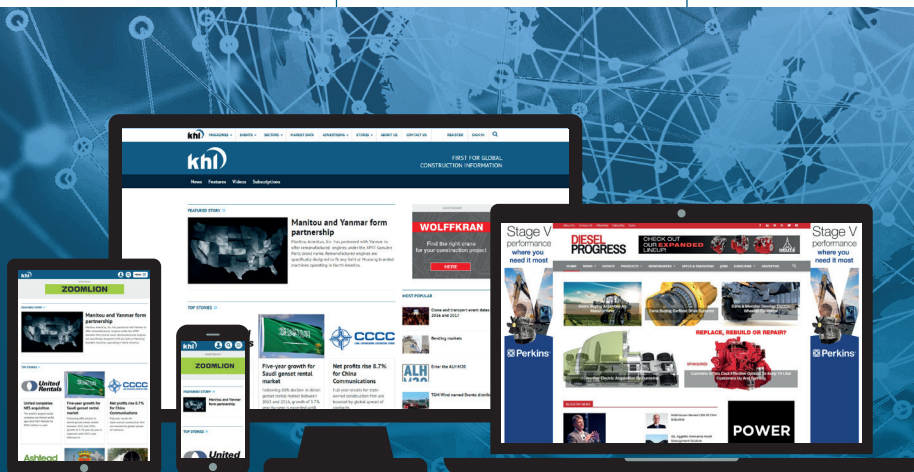
www.khl.com/newsletters

EQUIPMENT GUIDES

- Access Sourcing Guide
- American Cranes & Transport Sourcebook
- **COMPRESSORTECH**² Sourcing Supplement
- Construction Sourcing Guide
- Crane Sourcing Guide
- Demolition Sourcing Guide
- Power Sourcing Guide

www.khl-infostore.com

www.khl.com



INFORMATION THAT BUILDS
AND POWERS THE WORLD



Your Data, Your Way

The Leader in 3D Lift Planning

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

iCraneTrax



Plug & Play Telematics



3D Lift Plan



Sales & CRM Tools



GPS Tracking



Realistic 3D, Animation,
Import Google Earth or CAD



GPS, Telematics &
Maintenance Info



Maintenance Scheduling



Outrigger & Crawler Loads



Dispatch & Documentation



Faults/Alerts Notifications



Detailed Rigging Plans



Detailed Reports



Usage Data



Largest Database of Cranes



The “long game”

Lift & Move USA utilizes resources to help future generations flourish.

30 percent of the construction workforce is set to retire by 2030. The question that seems to be at the forefront of everyone's mind is, “Is there a plan for attracting the new workforce?” The last few generations of young people were encouraged to pursue bachelor's degrees over skilled trades, further shrinking the available labor pool. Workforce development is a priority for Lift & Move USA's supporting organizations and the companies they represent, which is the impetus behind this program.

The Lift & Move USA organization has set out to introduce middle school and high school CTE educators to the industry.

“In order to maintain the success of both the Lift & Move USA program, and the future of the industry, it's about making those relationships,” said Jackie Roskos, director, Lift & Move USA. “Companies need to start it now - it's all about playing the ‘long game.’”

Launched in 2015 as a joint industry effort, Lift & Move USA was organized



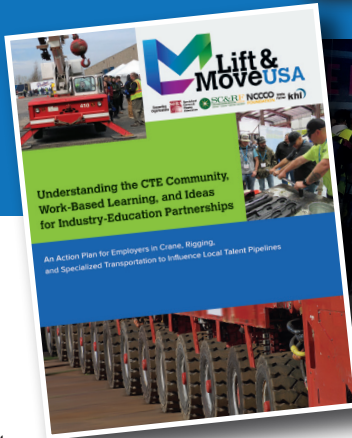
Stay in touch

 @LiftMoveUSA

 Lift & Move USA

 @liftandmove

 Lift & Move USA



document includes a Lift & Move Event Hosting Manual.

by four industry institutions: Specialized Carriers & Rigging Association, Specialized Carriers & Rigging Foundation, National Commission for the Certification of Crane Operators and KHL Group.

Looking ahead

A notable Lift & Move USA resource is an action plan for employers: Understanding the CTE Community, Work-Based Learning, and Ideas for Industry-Education Partnerships. The document, which includes a Lift & Move Event Hosting Manual, can be downloaded directly from the Lift & Move USA website at <https://liftandmoveusa.scr-foundation.org/action-plan-for-building-industry-education-partnerships/>. Employers are encouraged to get involved by visiting a classroom in-person or virtually, providing project-based activities or job shadowing experiences (for teachers, as well as students) as well as offering internships or apprenticeships. This guide is provided to SC&RA member companies as tool to help them create an action plan to establish industry-education partnerships in order to influence their local talent pipelines.

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/.

Since its creation in 2015, Lift & Move USA has held hands-on field events for more than 4,500 students in 15 cities. The program encourages participating companies to share their success stories post-event. Whether it is a student who has been hired onto your team or growing community outreach, the program would love to hear about it. A form can be found at www.liftandmoveusa.scr-foundation.org/contact-us/.

Get connected

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. ■



Supporting organizations





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

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

YOU NEED IT—WE RENT IT:

Forklifts up to 50-ton capacity, Hydraulic Gantry
Systems up to 900-ton capacity, Hydra-Slide™
Skidding Systems up to 1,000-ton capacity,
Crane Rental, Self-Propelled Modular Transport
Trailers (SPMTs), and Hydraulic Cranes up
to 300-ton capacity



DAYTON | COLUMBUS | CINCINNATI
www.pscind.com | (888) 778-3632



EXCLUSIVE
SPECIAL
SECTION

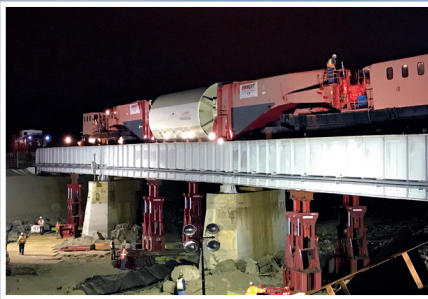
Compiled by: **D. Ann Shiffler**
and **Hannah Sundermeyer**

Above and beyond!

2021 SC&RA Job of the Year winners



MAMMOET



EMMERT INTERNATIONAL



FAGIOLI



VIC'S CRANE & HEAVY HAUL



A&A MACHINERY



PRECISION



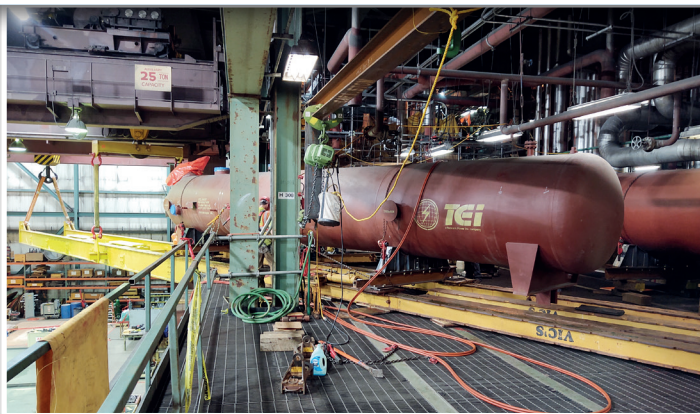
OMEGA MORGAN



EMMERT INTERNATIONAL

VIC'S CRANE & HEAVY HAUL

RIGGING

Under
\$150,000

An elevated sled system was the ideal solution for removing and replacing two feedwater heaters.

Vic's Crane & Heavy Haul developed a sled system that allowed the feed water heaters to be rotated while elevated.



No snow sledding

Removing and replacing two feedwater heaters (FWHs) required creative engineering, rigging and fabrication by Vic's Crane & Heavy Haul. An innovative sled system suspended from two overhead cranes was key to the job's success.

Working as a subcontractor to Azco, Vic's provided engineering, equipment and labor to rig the FWHs at the Excel Energy Sherburne County Generating Station. Vic's has a long history of providing rigging solutions for Xcel Energy and Azco. Most of the work was performed at night during a planned outage.

The existing FWHs weighed 101,000 pounds each while the replacements weighed 93,000 pounds each. The FWHs were located on a mezzanine level 20 feet above the operating floor and were positioned in an east-west orientation. The mezzanine floor was steel grating rated for 75 pounds per square foot.

The original plant design did not make provisions for replacing the FWHs. Large steam risers to the west prevented moving them out through an exterior wall, and a boiler blocked north movement. East movement was the only way out. The vertical clearance to the overhead crane runway girders was 122 inches and 24 inches to the crane hook. The FWHs were 90 inches tall.

Vic's proposed to move the FWHs to the east and then rotate them 30 degrees to align them between the building columns. Side tracks would move the FWHs in a south-west direction onto a "sled" suspended from two overhead cranes. The sled freed up operating floor space, eliminated travel path issues and minimized overhead crane time.

Sequence plan

Vic's team developed a sequence plan and supporting structures were reinforced. Temporary saddles were designed and fabricated to provide a jacking point to raise the FWHs off their foundations. Enerpac 10,000 psi pumps and OTC jacks were used to lift the FWHs onto the saddles. Hilman rollers were installed in the gap between existing vessel saddles.

Utilizing slide track beams spanning north-south to bear on the east-west support beams, the west end of the FWH was supported on a small turntable designed and fabricated for the job. This would function as the pivot point for rotating the units. The saddle was positioned on AeroGo air skates that ran on a steel plate surface supported by slide track beams, allowing the east end to move along an arc while the west end pivoted on the turntable.

After rotation, the slide track was placed

parallel to the rotated FWH and the vessel transitioned to slide shoes supporting temporary saddles spanning track to track. The vessel was secured to the saddles, the saddles bolted to the slide shoes, and the shoes captive to the track. The track extended to the south edge of the mezzanine where the sled pinned into the slide track. Shoring towers supported the south beam line.

Using the plant's overhead cranes, the east end of the sled was supported by a spreader beam pinned into the crane main hook. Two Lift Pro ENR synthetic round slings connected the spreader beam to the sled. The back of the sled was connected to the west crane with Lift Pro round slings. Connecting the sled directly to the track allowed for a safe transition.

"As the FWH was moved on the slide track, it seamlessly transitioned onto the sled from the mezzanine level," said Mike Lins, engineering manager. "The slide shoes were advanced to the hard stops, locking the vessel in the horizontal direction. The captive saddles and slide shoes secured the vessel to the sled. As a result, no one was required to access the suspended load to secure it to the sled prior to movement."

The new FWHs were installed by reversing the sequence. The job was executed safely with no incidents.

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

A&A MACHINERY MOVING

Relocating an historic press that produced critical armor for World War I and II required amazing attention to detail.

Cut and paste

Relocating a historically significant press to the Smithsonian-affiliated National Museum of Industrial History (NMIH) was quite the project for A&A Machinery Moving. Weighing an estimated million pounds, the 7,000-ton capacity Whitworth press was the first of its kind in the U.S. Constructed by Bethlehem Steel in 1891, it produced critical armor for ships and guns in World War I and World War II.

The plant closed in 1995, and in 2007 attempts to remove the press were unsuccessful. It was repurposed as an outdoor landscape monument with a traffic roundabout built around it.

Further development of a nearby casino in 2020 required the press be removed. Despite NMIH's interest in the historic relic, it was deemed too costly to relocate. It had not been disassembled in almost 100 years and was exposed to the elements for 20 years. Tie-rods and rams were locked with corrosion, and the crown had multiple fractures. The plan was to use oxygen lances to cut it into pieces for scrapping. But about 10 months prior to the required removal, A&A was invited to look at the project to determine if relocation was possible.

"A key element of our plan was abandoning the below-grade base of the press and having NMIH prepare the exhibit location with a concrete base and mounting plates mimicking the original

base," said A&A's Nick Lykon.

A second key element was using a wire-saw to strategically separate the press into components that could be moved and reassembled. The wire-sawing enabled safe and precise cuts and avoided the toxic smoke that oxygen lances would have created. Metallurgy tests were conducted to determine the best wire to use in the wire saw and specify weld procedures. Each wire-saw cut took 3 hours of set up time and 3 to 5 hours to complete.

Cutting it up

Each of the four 18-inch diameter tie-rods were cut in two places – below the upper intermediate nut and through the 28-inch diameter lower intermediate nut above the anvil. This separated the press into three primary pieces; a crown assembly; moving crosshead; and anvil. Plus, the four tie-rod sections. A 300-ton gantry lifted the crown, and a crane lifted the other pieces.

With no drawings of the press to reference, A&A had to estimate the weights of the press pieces. They estimated that the crown assembly weighed 400,000 pounds, the moving cross-head at 80,000 pounds, the anvil at 158,000 pounds and the four tie-rods at 12,000 pounds each.

"Using the gantry hydraulic, we

determined the crown weight to be almost exactly the estimated 400,000 pounds," said Lykon. "The crane scale confirmed the rest of the pieces were within 5 percent of our estimates."

The anvil was another challenge. Originally a single casting, it broke in two at some point in its history and was operationally repaired with through-bolts. To evenly lift the repaired halves of the anvil as a single unit, a layout of eight geometrically aligned lift lugs were welded to the anvil for a straight pull to a single hook.

The public nature of the project was the final challenge. The press was long prominent publicly and historically and the impending relocation garnered significant media attention. Adjacent to the casino entrance, the relocation became a credentialed media event and was promoted as a public event by both the casino and the museum. The project would take place under the scrutiny of multiple photographers and videographers. To help control and manage the media and public interest, A&A prepared information for the press and the public, and designated a senior management team member to be onsite and interact with the press and public and avoid interruptions to the onsite team.

The 400,000 pound crown assembly was lifted with a two-post 300-ton hydraulic gantry and two lift links. Eighty feet of gantry track extended from the press onto the roadway. The track was cribbed 8 feet 5 inches high alongside the press in the traffic circle to account for the elevation change. The rigging arrangement used a single 9-part by 1-inch by 50-foot braided wire rope sling in a double-basket configuration. Once lifted, the gantry traveled with the load to set it on a waiting 10-line self-propelled modular transporter (SPMT) for the ¾-mile trip to the museum site where it would be off-loaded and reassembled in the same manner.

The project required 10 months of planning and was performed in 15 days safely and without incident.

Lifting the press crown assembly was performed using a two-post 300-ton hydraulic gantry and two lift links.





CELEBRATING 75 YEARS

OFFERING MORE THAN EVER BEFORE

Gantries Up to 850 Tons

**Unified Jacking &
Hydraulic Slide Systems**

**Turnkey Structural Steel
Erection & Retrofit**

Multi-Craft Capabilities

Mechanical Construction

Alternative Rigging Solutions

Wind Turbine Erection

**Tower Crane:
Man Lift Erection,
Operation & Dismantle**

**Stiff Leg &
Guy Derricks Systems**

Chicago Boom

Contact Us at (800) 4CRANE1 | BRAGGCOMPANIES.COM

RIGGING
\$750,000
to
\$2 million

MAMMOET AMERICAS



A tedious installation

Mammoet successfully completed the transport and lift of Seattle-Tacoma International Airport's newest expansion, an elevated pedestrian walkway for the future international arrival's facility. Part of the airport's \$968 million expansion, the new bridge is only the second walkway in the world with suitable clearance for a Boeing 747 to taxi beneath.

Despite the various challenges of working at an active airport, Mammoet devised a suitable installation method for the 1,472-ton walkway using the accelerated bridge construction (ABC) method. With their specialized equipment, Mammoet transported and lifted the prefabricated bridge into place. This allowed for an exponentially faster turnaround time, whereas traditional construction methods would have caused significant disruptions to the airport over a prolonged period of time. The entire operation was completed over two nights while flight traffic was at its lowest to ensure minimal disruption to the airport's schedule.

The walkway was transported using a total of 56 axle-lines of SPMTs in a four-point configuration, with one set of SPMTs at each corner. Mammoet's transport team taxied the load a total of three miles down the center runway while shouldering runways remained open for incoming, and outgoing planes. Total

Working at an active airport presented many challenges that the Mammoet team conquered in the installation of a new 900-foot pedestrian bridge.

transport time from the assembly area to the final destination between accepting V-piers was just under three hours.

Tight tolerances

Once in position under the piers, erection crews took over using four 900-ton steel frames that utilized a strand jack system. This was the first time these frames from the Netherlands have been used in the United States to control the system's cables which are regularly rerouted downward. In this case, it was required to keep them clear of the work area and ensure they did not interfere with the final weld process below. With approximately 1.5 inches of tolerance for a precise fit, the bridge span was hoisted into its final position, 72 feet from the ground, before being welded into place.

"Despite the unique challenges and obstacles that present themselves while working on an active airport, Mammoet proudly contributed over 1,800 safe

Mammoet applies expert rigging on an elevated pedestrian walkway at the busy Sea-Tac Airport.



work man hours to the project without incident or lost time," said Mammoet Project Manager Travis Wilcox. "Our team overcame several technical and operational challenges – having to synchronize the transport and lift, all while ensuring the v-pier tips were at the correct position was no easy feat; however, our team demonstrated professionalism and the ability to tackle the client's problem with an engineered solution seamlessly. This ultimately led to a successful installation, without disruption to airport activities taking place around our work site. It was truly an honor to represent Mammoet and receive SC&RA's Rigging Job of the Year award. The level of competition was high, yet this is another example of Mammoet's ability to deliver world class service."

After nearly eight years of planning, design and construction, the installation created the world's longest pedestrian bridge span over an active airport taxi lane.

Italian trestle

Fagioli was contracted by Pergenova S.C.p.A., a consortium company established by Fincantieri and Salini Impregilo (now Webuild), to build the Polcevera Viaduct on Italy's A10 motorway in Genoa. The new bridge has a continuous steel deck measuring 1,067 meters with 19 spans, divided as follows: 14 spans at 50 meters long; three spans at 100 meters long; three spans at 100 meters long; one span at 40.9 meters long and one span at 26.27 meters long.

Modularization allowed Fincantieri to work in parallel, minimizing the working hours on the construction site and increasing productivity. The sections of the bridge were built in several yards in Italy and sea transported to Genoa. The sections were loaded with mobile cranes onto Fagioli trailers and SPMTs. A total of 237 bridge sections, (weighing 56 to 89

Installing a new bridge on the Polcevera Viaduct on Italy's A10 motorway in Genoa required a myriad of machines and specialized equipment in Fagioli's fleet.

Fagioli utilized a large fleet of specialized equipment, trailers and cranes to pull off a monumental bridge job.

metric tons) for a single transport passed through urban roads of 70 heavy road transports. Fagioli utilized a large fleet of specialized equipment for the transport and installation operations. Two out of the three biggest bridge sections installed were 100 meters long and weighed 2,000 tons. These two sections were set over the Polcevera River and the railway tracks.

For these two spans, it was necessary to pre-lift the sections up to 5 meters from the ground, to bring them from the assembly level on site to a transport level higher than the embankment of the street and the railway embankment.

Fagioli Climbing Jacks 600 x 4 brought

the deck on the ground at a standard height of about 1.5 meters. Given the final height of the deck, the SPMTs were equipped with temporary metal carpentry structures about 3 meters high, aligned with the transversal internal ribs of the deck and the longitudinal beams 7 meters away from each other. The movement of the span on the Polcevera River required an approach to the piles with a first convoy consisting of SPMTs which, at the banks of the stream, had to interrupt its run and transfer the 2,000-ton load to the trailers previously positioned in the riverbed.

Complicated jobsite

The presence of the railway complicated the job as rail traffic could not be interrupted for very long. The lifting of the three 2,000-ton spans was carried out by four cable recovery jacks (Fagioli strand jack system) with a capacity of 600 tons. These spans were 93.9 meters in length, 27 meters wide and 4.9 meters tall.

Fagioli used crawler cranes to install the "segment of span," a section placed on top of the piles to be used for the connection of the spans. The "segment of span" was provided with six hydraulic jacks used for either stability or skidding operations. Equipment used for this operation included two vertical jacks, two longitudinal jacks per side and two transversal jacks.

"The lifting lasted an average of 10 hours and, following the centering and alignment of the edges, a first mechanical safety of the deck with respect to the pile segments was carried out, designed considering a possible worsening of time and an increase in wind burst as per current legislation," said Fagioli President Edoardo Ascione.

The lifting of the 50 meter long spans was carried out by Demag CC2800, CC3800 and CC6800 crawler cranes. The shorter spans were 50 meters long, 27 meters wide (greater width including side "wing-shaped" structure), 4.9 meters tall and an average weight of 650 tons. The job was completed safely with no incidents.



Experts in reaching great heights

Great lifting heights, broad range, high lift capacity – Liebherr cranes deliver superb reliability, unmatched quality and innovative German engineering. At Liebherr, worldwide customer satisfaction and customized service solutions take center stage.

www.liebherr.com

LIEBHERR

Cranes



PRECISION SPECIALIZED, INC.

HAULING

Under
\$160,000
pounds

Precision Specialized completed the largest move the company has ever executed, with the transport of power generation modules to a Canadian port.

After 10,357 hours of execution, Precision Specialized successfully delivered the module on schedule on October 4, 2020.



Attention to detail

Starting on September 28, 2020, Precision Specialized's team successfully transported eight modules from Oakville, Ontario to the Port of Hamilton, Ontario. The company assisted in everything from manufacturing to all aspects of the transportation scope.

The winning project focused on Module 2, the largest module in the transport convoy. The power generation module was a part of a complete modular plant built in Oakville and then shipped to France.

Utilizing a four axle Western Star power unit and a 13-axle perimeter rear steer trailer, the 240,000-pound module transport clocked in at 150 feet long, 21 feet wide and 24 feet high.

Southern Ontario's infrastructure is not designed for high loads. When factoring in width, weight and length, the routing becomes incredibly complicated. Precision Specialized's initial feasibility study was met with concern and denials from two regions. However, a final execution plan featuring detailed road closures, moving at night and having all the necessary support vehicles resulted in the initial denials being turned into approvals.

"Considerable thought and planning

went into safety," said Ed Bernard, president, Precision Specialized. "Complete road closures and press releases in all major papers, social media and television were key to ensuring the travelling public were aware of this move. Covid-19 protocols added to the stringent rules and regulations we had to adhere to."

Supplying food and restroom facilities were another concern which was met with mobile units that traveled with the Precision Specialized convoy. The final night of travel involved 230 people in the move.

Out of the way

The road transportation of Module 2 clocked in at 70 miles and routing was key. The normal routing from origin to destination was 15 miles. The company's final approved route was 70 miles.

Precision Specialized also factored in the elements of another company's previous transport of the same size. 10 years ago, a former load convoy budgeted for three nights, and the resulting move took three weeks. Bernard cites that the specific incident, and the experience the company has gained over the years to help prepare

the team well in advance for the transport.

The incredible moving feat featured several impressive innovations including the utilization of pre-lifting wires. But companies Hydro One and Alectra had to be convinced to do so, which resulted in the pre-work man-hours, using mats to park in areas previously not accessible for staging, bridge jumping to shorten travel and most importantly a traffic management plan with road closures to funnel traffic away from the convoy.

Sargent Dave LeClair from the local Hamilton Police Department told Precision Specialized that it was the best planned out move he had worked on in his 20-year career.

"This is probably one of the things I am most proud of, next to our delivery," Bernard said. "Considering the Covid issues, the size of our tailgate meetings and size of the convoy, we had no issues."

After 10,357 hours of execution including 12,097 man hours, the module arrived on October 4, 2020. Precision Specialized budgeted for seven nighttime travels and was able to deliver in six. The transport was completed on budget and no DOT recordables.

HAULING
160,000 to
500,000
pounds

OMEGA MORGAN

Cold box cargo

Omega Morgan, Inc. was hired to transport two cold box modules from the Port of Longview, WA to a large semiconductor factory in Hillsboro, OR. The module dimensions clocked in at 144 feet long by 17 feet wide, by 15 feet high, with a gross weight of 457,600 pounds.

On March 1, 2020, the pieces were loaded onto an Omega Morgan provided barge directly from ships gear. From there they were moved across the Columbia River into Oregon and offloaded utilizing SPMT trailers and placed to rest on beams and stands. Omega Morgan crews utilized hydraulic dollies for the first half of the 45-mile journey. For the second half of the journey the units were transloaded onto six lines of four file K25 trailer and eight lines of two file Goldhofer trailer with custom bunks and turn tables on both.

The route which took three nights to traverse was approximately 45 miles traveling along city, county and state roads. But finding equipment configurations that could accommodate the only available route for the move proved to be the biggest obstacle.

“Once we found the configurations, we then had to find locations that would allow us to transload the pieces along the route which proved to be another challenge,” said Erik Zander, COO, Omega Morgan. “This coupled with the extreme amount of coordination required to shut not only two roads but a state highway and jump a bridge in the same night was a great challenge.”

Omega Morgan accomplished this monumental project by assigning one project manager along with two permit techs, two engineers and four superintendents in the initial planning.

Omega Morgan was faced with an intricate West Coast module transport.



Headed to a large semiconductor factory, the cold box module dimensions measured 144 feet long by 17 feet wide by 15 feet high, with a gross weight of 457,600 pounds.



With safety understandably a top priority, utility work and congestion at night were the biggest considerations.

The total man hours clocked in at 5,384.

With safety understandably a top priority in the project, utility work and congestion at night were the biggest considerations.

Wire quagmire

Throughout the course of the transport, the Omega Morgan team encountered a tremendous number of wires that needed to be lifted and removed during the project. Omega Morgan had 11 companies involved over the course of the 45-mile-long route.

“This is challenging because you get 5-8 utility trucks that now must not only travel with the convoy but also maneuver around the convoy once it passes,” said Zander. “The two-lane rural roads did not provide much space for these movements. This coupled with the low light conditions made coordination between our crew and the utility crews of the highest importance.”

In addition, including the pilot cars, the traffic control and the utility vehicles, the team had enlisted well over 15 vehicles in the convoy. Finding safe locations along the route to clear traffic as well as move the Omega Morgan support vehicles, traffic control and bucket trucks, was a concern, the company said.

The terrain along the route consisted of primarily rural county roads with a couple of small cities, and the roads were mostly two lanes. Portions of the route we covered with a heavy tree canopy that required trimming prior to the transport.

The major design innovation for this project was coming up with a hydraulically controlled and operated turn table that provided extra lift to keep the cold boxes level as Omega Morgan traveled around the steep sharp corners along the route.

There were no OSHA or DOT recordables and the project completed on time on May 21, 2020.

THINK **BIG!** THINK **TNT!**

Mobile Cranes up to **900 tons** | Crawler Cranes up to **1000 tons** | Gantry Jacks up to **1100 tons**
Specialized Rigging & Counter Balance Beams | Over **40** Branches throughout North America



With locations throughout North America, TNT Crane & Rigging has the equipment, knowledge, and personnel to do the job right.



800.799.2505
tntcrane.com

THE TNT CRANE & RIGGING FAMILY OF COMPANIES



HAULING
Greater than
500,000
pounds

EMMERT INTERNATIONAL

Emmert International completed the 400-mile transport of the heaviest load ever moved within the Nevada Highway System.

Record setter

Emmert International was contacted to perform a feasibility study for moving the Unit #1 Reactor Pressure Vessel (RPV) from the San Onofre Nuclear Generating Station in California to a decommissioning facility in Clive, Utah.

Emmert's team started evaluating movement of the RPV cask utilizing a rail and over-the-road methodology. As a result, a route study from North Las Vegas to Clive, UT was necessary to determine the feasibility of an over-the-road route for the 1,470,000-pound piece. At a gross weight of 2,367,744 pounds, Emmert contacted the State of Nevada DOT two years before the project.

Emmert generated a route study that spanned 400 miles and consisted of satellite imagery with latitude and longitude coordinates to identify all culverts, bridges, overhead power lines, traffic relief areas and civil improvement areas. 12 culverts along the route were deemed as structurally inadequate by the Nevada DOT. To complicate matters further, some of the structural drawings for the original culverts dated as far back

as the 1930's. To establish the baseline for the structural integrity of the culverts, Emmert performed hand calculations predicated on ASHTO and concrete standards.

While the project required seven prime movers for pull/push effort, and a 20 axle line, double wide Goldhofer THP/SL platform trailer coupled with two 4 axle lines of Goldhofer ADD drive, Emmert International also engineered and designed a hydraulic jacking system that would be used to support the culvert spans from inside the culverts. A steel column was fabricated that would support the hydraulic jack. On top of the hydraulic jack, steel beams were positioned that would provide the additional support under the culvert span.

To start the transport process, Emmert International mobilized the crew and equipment to the San Onofre Nuclear Generating Station (SONGS) in March of 2020. The initial phase of the road transport included relocating the RPV cask from its' existing, on-site location to a rail siding. The company worked in a confined area to raise the RPV cask with hydraulic jacks to a sufficient height to accommodate positioning a trailer under the unit. Once the RPV was raised, a Goldhofer, 12 axle line, self-propelled,

double wide, hydraulic platform trailer was maneuvered into position, under the cask. 155 pieces of steel plating were placed on the ground to accommodate high ground loadings during the operation.

Cask campaign

After removing the RPV cask from its pad, the unit was staged. The platform trailer was reconfigured to a 16-axle, double wide trailer layout to accommodate the ground loadings and preclude plating the onsite haul route. After moving the RPV cask on site, it was loaded onto a 36-axle Schnabel car and transported to North Las Vegas. After reaching the site, Emmert utilized climbing jacks to lift the component off the rail car and transition the cask onto a Goldhofer, 24 axle line, double wide, platform trailer with Goldhofer ADD-drive components to assist the prime movers when climbing hills.

To further spread the weight of the RPV cask, Emmert engineered and designed four RPV extension arms which provided an additional 30 feet of deck coverage. Emmert was able to move the 2,367,744-pound RPV cask from Northern Las Vegas to the Clive site in 42 days. After 6,720-man hours, the project was completed on time, within budget and no incidents. ■ >22



Emmert contacted the State of Nevada Department of Transportation two years before the movement to identify potential routing.



Emmert International utilized a combination of Goldhofer platform THP/SL trailers, Goldhofer ADD Drives and seven prime movers to transport the RPV from North Las Vegas to Clive, UT.

EMMERT INTERNATIONAL

HAULING
Moving

Emmert International faced scorching Nevada temperatures as the team utilized the largest Schnabel rail car in the world to transport a RPV cask.

The RPV cask traveled 366 miles over the course of four days utilizing one of the largest rail cars in the world.

Emmert International was contracted to move a Reactor Pressure Vessel, or RPV cask, from the San Onofre Nuclear Generating Station (SONGS) to Clive, UT. The RPV cask measured 47 feet 7 inches long, by 15 feet 5 inches wide, by 19 feet 3 inches tall and weighed 1,470,000 pounds. Given the number of thru truss bridges along the route, the goal was to find a rail route that would achieve an end point as close to the destination as possible to augment an over-the-road delivery to the site.

Because of the large size of the RPV cask and the high number of narrow truss bridges along the route, it was determined that the KRL 3600, one of the largest Schnabel cars in the world, would accommodate the rail transport. To perform the route survey, a “high-rail” truck used mounted specialty lasers to calibrate the widest and tallest points of the rail transport configuration.

Repairs needed

To prep the KRL 3600 Schnabel car, Emmert International sent its rail crew to the site and performed a full inspection on the rail car and did an inventory of all the spare parts. Because the car had remained idle for so long, a significant amount of maintenance and repair work was required. Once the necessary repairs were made on the rail car, it was then railed to the SONGS facility. The KRL 3600



All aboard

was large enough that even an unladen shipment required a designated rail classification, or special train requirement. The cross-country trip included both Schnabel car halves, caboose and two flat cars needed to carry spare parts and inventory items for the upcoming journey.

The onsite rail spur would not accommodate the weight of the Laden KRL 3600. The track was removed and a new spur was installed. The RPV cask was outfitted with engineered steel supports which attached to each end. An “H-Section” steel framework was installed on each end of the Schnabel car and would serve as the connection point with the steel supports on the RPV cask. The steel framework was secured by using an engineered torquing procedure to ensure its rigidity throughout the rail transport.

The first leg of the rail route consisted of utilizing the MetroLink commuter line that runs between San Diego and Los Angeles. The maximum speed would be 15 miles per hour during straight transit. During lifting and shifting operations, the rail car could only travel at a maximum speed of 4 miles per hour. The 36-axle Schnabel car started its journey at midnight to minimize the impact on public transportation and cleared the MetroLink stations by early morning.

The cask traveled through MetroLink commuter rail stations with minimal clearances.

As the RPV approached San Juan Capistrano, the San Juan Creek railroad bridge along the route was deemed as not structurally sound for the RPV crossing. As a result, shoring had to be installed under the bridge to support each of the three spans. The bridge deflection was monitored during the KRL 3600 crossing with a laser measuring system. As the RPV cask continued along the route, the Emmert crew had to perform over 300 Schnabel car lifts and shifts to avoid impediments along the way.

Temperatures soared to 106 degrees Fahrenheit as the rail car progressed through the Mojave Desert. This forced the Union Pacific locomotive crew to change out in order to continue.

Rail on rail

Upon transitioning across the Nevada border, the crew was able to reach the newly constructed rail siding in North Las Vegas within one day. At the rail siding, the Schnabel car was spotted on the track and then the locomotives were disconnected.

After the RPV cask was disconnected from the Schnabel car pins, Emmert then utilized a Track Mobile to move the Schnabel car halves away from the RPV cask during offloading sequence.

In sum, the RPV cask traveled 366 miles over the course of 4 days without injury or damage to equipment utilizing one of the largest rail cars in the world.





YOU HAVE HAULING CHALLENGES TRAIL KING HAS SOLUTIONS

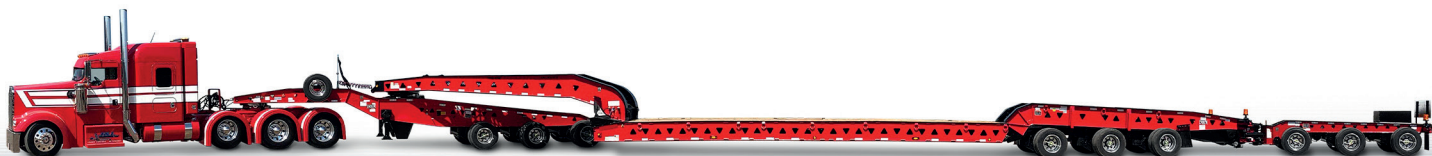


Our primary goal is your success, and our trailers are customized for unique challenges. For over 40 years, Trail King has been making “impossible” hauls possible.

Together, we can create a solution that is just right for your team.

    @trailkingind
800-843-3324 | trailking.com

Check out more custom specialized rigs on our Youtube channel!



TRAIL KING

NONWINNERS

Honorable mentions

The competition for this year's Job of the Year awards was stiff, heavy, tall, wide and all together amazing.

The 2021 Job of the Year contest did not disappoint. Held in person this year at the SC&RA Annual Conference in San Antonio the last week of October, the contest featured incredible jobs that were incredibly executed.

Following is an overview of the jobs that didn't take home the trophy but are monumental in scope. Look for these jobs as Site Reports in future issues of ACT.

HAULING

Under 160,000 pounds

In April 2020, **BERARD** transported a retired B1 Bomber aircraft fuselage from the U.S. Airforce AMARG boneyard in Tucson, AZ, to the Wichita State University National Institute for Aviation Research (NIAR) facility in Park City, KS. Berard transported the cargo on a custom-designed Trail King steerable dolly system through five states in seven days.

In December 2020, **EMMERT** International transported three components from Sulphur Springs, LA, to the Space-X facility in Brownsville, TX, utilizing a 19-axle trailer, a 4-axle jeep and 6-axle steerable dolly configuration and a 3-axle extendable step deck.

HAULING

160,000 to 500,000 pounds

From November 2020 to February 2021, **BARNHART CRANE & RIGGING** was contracted to transport a Deisobutanizer Tower from Oklahoma City, OK, to Superior, WI.

From September 2019 to November



2020, as part of the Ridgeline Wind Project, **MOUNTAIN CRANE SERVICE** received wind turbine components for



Vestas V136 towers in a laydown yard, loaded the components onto specialty equipment and transported the equipment up 28 miles of mountain roads – an elevation gain of 3,120 feet.

HAULING

Over 500,000 pounds

BARNHART CRANE AND RIGGING was contracted to barge a deethanizer from Houston, TX, to Freeport, TX, in April 2020, then transport it over the road from Freeport, TX to Sweeny, TX.

In November 2020, **TRANSDATA ENGENHARIA E MOVIMENTACAO** (Transdata) performed the transport and handling of a 359-ton generator, leaving the Port of Itaqui (Brazil), bound for Santo Antônio dos Lopes. The project was carried out to the customer "TECHINT," which refers to the receipt of special parts



NONWINNERS**Berard Transport**

on the northern coast of Brazil, port handling, unloading, storage, reloading, transport and road handling to the jobsite, unloading and rigging.

**Transdata****Barnhart Crane & Rigging****RIGGING**
Over \$2 million

SARENS USA was commissioned to demolish a “Goliath Crane” at the Newport News Shipbuilding in Newport News, VA, with the operation scheduled from March 2020 to December 2020.

RIGGING
\$750,000 to \$2 million

From June to December 2020, **ABLE RIGGING CONTRACTORS** was hired by concrete superstructure contractor, Pinnacle Industries II LLC, to dismantle and recover a Favelle/Favco M440 tower crane and install building maintenance systems at New York City’s Central Park Tower, the tallest residential building in the western hemisphere.

Beginning in May 2019, and completed in January 2020, **BARNHART CRANE & RIGGING** was contracted to remove and replace three turbine isolation valve assemblies from the Horse Mesa Dam in Arizona.

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

Comprising an engineering, fabrication and implementation project that took place between September 2018 and August 2020, **EMMERT INTERNATIONAL** utilized custom rigging, jacking, lifting beams, d-rings, lifting links and 12-inch pins to remove a 1,470,000-pound reactor pressure vessel (RPV) cask from an area that bordered the spent fuel area at a nuclear power plant.

TRANSDATA ENGENHARIA E**W.O. Grubb**

MOVIMENTACAO (Transdata) conducted the transport and handling of a 359-ton generator, leaving the Port of Itaquí (Brazil) on November 26, 2020, bound for Santo Antônio dos Lopes. Upon arrival, Transdata faced a new challenge: the transfer of the transport beam generator to a set of 22 self-propelled axles in the fourth row. The fixed-price project also required rigging, and was completed with no injuries, damages or claims.

W.O. GRUBB CRANE RENTAL was awarded a contract to transport and set a package boiler at a papermill in Green Bay, WI. The boiler was 20 feet by 20 feet by 45 feet long and weighed 404,000 pounds. The scope of work was to receive the boiler via heavy lift barge on to their platform trailer, short haul it onsite, deliver the boiler to a constricted alleyway and simultaneously rotate and slide the boiler from the trailer into the basement area of the papermill.

RIGGING
Under 150,000

In September of 2020, **FAGIOLI SPA** completed the installation of a 115-ton, 56 meter-long walkway bridge in Italy. The operation, executed in a restricted area, was performed by a tandem lift operation with two mobile cranes.



Responsibilities of on-site personnel

CCO CEO **Thom Sickelsteel** reviews the on-site personnel roles when working with cranes.

Often the discussion around responsibilities of on-site personnel for cranes does not occur until after an incident happens. Unfortunately, at that point, the finger pointing begins and responses such as “We aren’t crane experts! That is why we hired a crane company!” are all too common.

These situations can be avoided by clearly defining the responsibilities of on-site personnel for cranes. The responsibilities come from multiple sources, so it can be difficult to understand each party’s role, especially when adding in the additional layers of complexity of vertical standards, state plans, local jurisdictions and site plans.

While in some cases state plans, local jurisdictions and site plans can be more stringent, this article focuses on industry standards and federal regulations. At the federal level the primary regulation is OSHA’s Crane and Derricks in Construction Standards (29 CFR 1926 Subpart CC). State plan states are required to have regulations that are at least as rigorous as federal OSHA’s, so if working in a state with more restrictive regulations regarding things such as the qualifications of a crane, an operator, a rigger, a signal person or an assembly/disassembly (A/D)

director, it’s important to understand that state’s specific requirements.

The industry relies on the ASME B30 series. While much attention has been paid to regulation development on a state and federal level, ASME continues to update the industry consensus standards every three to five years. Additionally, ASME’s panel of diverse industry experts respond to questions and inquiries, making these documents continually evolving. Lastly, and perhaps most importantly, ASME standards have a much broader scope than their regulatory counterparts and apply to far more industries and locations.

Defining responsibilities

A key concept in defining personnel responsibilities is understanding the difference between competent, certified and qualified. OSHA 1926.1401 defines these as:

COMPETENT – One who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous or dangerous to employees and who has authorization to take prompt corrective measures to eliminate them.

CERTIFIED – A person who meets the testing requirements by a nationally recognized third party with regard to the subject matter.

QUALIFIED – A person who, by possession of a recognized degree, certificate or professional standing, or who by extensive knowledge, training and experience successfully demonstrated the ability to solve/resolve problems relating to the subject matter, the work or the project.

The difference in these terms is critical to understand. Too often these terms are



The crane owner, crane user and site supervisor each come from a different perspective, so they must understand exactly what their responsibilities are.

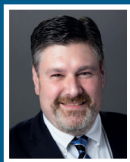
mixed up and used interchangeably when they mean very different things. Proper use of these terms is vital when discussing responsibilities.

When referring to testing requirements, “certified” is the most stringent and requires tests by a nationally recognized third party, such as NCCCO. “Qualified” typically requires some type of testing; however, this can be done by the employer and is not required to meet national testing standards. For “competent” qualification, it is more about the ability, experience and authorization rather than demonstrating the ability to solve and resolve problems through a test.

Roles of on-site personnel

The chart in the photo above outlines the various roles that are involved with on-site crane operations: On the left side are roles that do not have specific requirements listed for qualification (e.g., competent, certified or qualified); the roles on the right side, however, do have requirements defined by OSHA and/or ASME. The roles in yellow are defined only in ASME and not in OSHA; the role in green is specifically defined in OSHA while ASME is less direct.

THE AUTHOR



Thom Sickelsteel

is CEO of the National Commission for the Certification of Crane Operators (NCCCO), a voting member of ASME B30.5, and is an alternate on B30.



**CONTROLLING
ENTITY/SITE
SUPERVISION**

CRANE USER

CRANE OWNER

LIFT DIRECTOR

CRANE OPERATOR

SIGNAL PERSON

RIGGER

**ASSEMBLY/
DISASSEMBLY
DIRECTOR**

Supervisors, users, owners

Supervisors, crane users and crane owners do not have any requirements listed for qualification by OSHA or ASME (e.g., competent, certified or qualified). They do, however, have substantial areas of responsibility that are important to know and understand on the worksite.

OSHA defines Controlling Entity as “an employer that is a prime contractor, general contractor, construction manager or any other legal entity which has the overall responsibility for the construction of the project – its planning, quality and completion” (1926.1401). ASME defines Site Supervision as a role that “exercises supervisory control over the work site on which a crane is being used and over the work that is being performed on that site” (B30.5-3.1.3(c)). So, in many cases these terms can be used interchangeably.

The Site Supervisor/Controlling Entity is responsible for:

- Ensuring the crane is inspected and in good condition.
- Determining whether additional regulations/requirements are applicable.
- Ensuring a qualified person is designated as the Lift Director.
- Ensuring crane operations are

coordinated with other jobsite activities.

- Ensuring that the area for the crane is adequately prepared (access, room, suitable ground, traffic control).
- Ensuring assembly/disassembly is supervised by a qualified person.
- Ensuring crane operators meet the requirements.
- Ensuring conditions that may adversely affect crane operations are addressed.
- Allowing crane operations near powerlines only when requirements are met.
- Defining special lifting operations protocol.
- Ensuring the rigging crew is supervised by a qualified person.
- Ensuring crane maintenance is performed.

Site Supervisors/Controlling Entities sometimes may balk at the extent to which they are expected to be involved in the crane operations; however, their role is critical. They need to set the rules of engagement and ensure that the rules are being followed. Site Supervisors/Controlling Entities also have control over the site and the individuals/entities working there. They are the most knowledgeable regarding ground

conditions as well as workflow and crew requirements. These elements become even more significant when space on the worksite is limited or site conditions are poor.

It also is significant that the Lift Director is designated by the Site Supervisor. As detailed below, the Lift Director is a key individual in implementing the plan. Therefore, it is important that they have direct access to those who are responsible for creating the rules of engagement (Site Supervisor/Controlling Entity). Lift Directors are easy to discern. A Compliance Officer only must ask the rigger or the signal person who the Lift Director is. If the answers aren't consistent, or they don't know, the Site Supervisor can be held responsible for not making the roles and responsibilities clear.

Crane User is a term that only ASME utilizes. ASME defines the Crane User role as the one who “arranges the crane's presence on a worksite and controls its use there.” In today's construction sites, this is the most overlooked role and one that should be specifically assigned. The Crane User is responsible for:

- Complying with regulations, standards and manufacturer's requirements.
- Using supervisors that are qualified for crane activities.
- Ensuring the crane is in proper operating condition, including verifying the crane owner has provided the required documentation and frequent inspections have been completed.
- Verifying that the crane has the necessary lifting capacity to perform the work.
- Using crane operators that meet the requirements.
- Ensuring the assigned operator(s) have been notified of adjustments or repairs that have not yet been completed.
- Designating personnel for maintenance, repair, transport, assembly and disassembly.
- Ensuring all inspection, testing and maintenance programs specified are followed.
- Informing the crane owner if rope on the crane is replaced or shortened.

Two things become evident from the lists of responsibilities. First, on smaller jobsites, the Crane User role is typically included with another role such as Site Supervisor, Lift Director, etc. Second, overlapping of responsibilities becomes obvious. While the responsibilities overlap, the perspectives the roles are coming from can be different. When ASME puts



responsibilities under multiple areas, that is to provide a full perspective and to ensure that these significant items are not missed.

Lastly, there are Crane Owners. According to ASME, the crane owner “has custodial control of a crane by virtue of lease or ownership.” ASME was careful to keep the roles and responsibilities within the four corners of the worksite. If a rental crane with operator comes into the site, then the crane is typically “owned” by the crane supplier. On the other hand, in the event a crane is bare rented, the owner is the entity on site that is renting the crane (not the crane rental company). It is important for companies that bare rent to understand their crane owner responsibilities.

The Crane Owner is responsible for:

- Providing a crane that meets the requirements of the standards and the crane user.
- Providing a crane and all components specified by the manufacturer to meet the crane user’s requested configuration and capacity.
- Providing additional technical information when requested by the crane user.
- Providing assembly/disassembly, operation, maintenance and warning decals.
- Establishing an inspection, testing and maintenance program.
- Designating personnel for maintenance, repair, transport, assembly and disassembly
- Maintaining rope information for the rope installed on each drum.

Crane owners have a say in who the personnel are for maintenance, repair, transport, assembly and disassembly, as does the crane user. This is because disassembly occurs on-site, but the components and equipment then leave the site. Most importantly, crane owners should be a technical resource on the equipment. So, if you bare rent a crane, do you have the technical resources to answer the questions that may arise? If not, you should seek to put these in place as part of your bare rental considerations.

Lift Director responsibilities

The role of Lift Director has become a critical role to identify on the jobsite. As mentioned above, Lift Directors are assigned by the Site Supervisor. This means that if there is confusion related to who is performing the role of Lift Director,

the Site Supervisor is usually cited. Often OSHA enforcement actions often begin with asking the rigger and signal person to identify the Lift Director.

As ASME was the creator of the role of “Lift Director,” the responsibilities outline below apply to all industries. However, despite the ASME requirements being published in 2007, many organizations that use cranes are unfamiliar with this term or concomitant allocation of responsibilities.

In response, in OSHA’s compliance directive of 2014, the term “Lift Director” is used 41 times. OSHA has also cited companies for failure to “designate a competent lift director” as early as 2013. Today, more and more organizations are identifying the Lift Director by means of a uniquely colored vest or hardhat as well as requiring pre-lift meeting logs that identify the person who is filling the role of Lift Director.

Under ASME, the Lift Director is required to be a qualified individual. Therein lies the issue: Site supervisors must have some means by which to show that the Lift Director successfully demonstrated the ability to solve or resolve Lift Director problems.

The areas of Lift Director responsibilities define what the Lift Director should know/do, including:

- Being present at the jobsite during lifting operations.
- Ensuring the area needed for crane operations has been prepared before operations commence.
- Ensuring personnel involved understand their responsibilities, assigned duties and associated hazards.
- Addressing safety concerns and being responsible if they overrule concerns and direct operations to continue.
- Appointing the signal person(s) and ensuring they are qualified.
- Ensuring compliance when working near power lines or lifting personnel.
- Ensuring the load rigging is performed by a competent rigger.
- Ensuring precautions are implemented in special lifting operations.

Note that the Lift Director does not have to watch every single lift. ASME changed the language in 2018 to remove the requirement that the Lift Director needed to ensure that the load was balanced. This responsibility was moved to the Rigger. Lift Directors can assign rigging of the load and load parameters to a crew and be alerted should the parameters change. However, on any critical lift, the qualified

In response, in OSHA’s compliance directive of 2014, the term “Lift Director” is used 41 times. OSHA has also cited companies for failure to “designate a competent lift director” as early as 2013.



Lift Director should play more of a visible role.

Often the question comes up, “Isn’t the operator the Lift Director?” The short answer is “no.” The Lift Director has the responsibility to address the safety concerns and they are responsible if they overrule the concerns and direct operations to continue. This paramount duty and responsibility rests with the person who the Site Supervisor identified and qualified to direct the crews – the Lift Director.

Lift Directors do not have to be experts on the crane at the site (they rely on the crane operator for crane and load chart information); however, the Lift Director takes all of the factors into account before letting the lift proceed. There are numerous courses and training classes available for Lift Director. Training should be validated through certification to ensure its effectiveness. NCCCO offers the only accredited certification for Lift Director in the industry. For information, please visit www.nccco.org/LD.

Operator’s critical role

The Crane Operator plays a critical role in the operation of the crane. Many believe that the Crane Operator is the captain of the ship and is responsible for all crane-related things. While this isn’t anywhere near the truth, the Crane Operator does have significant responsibilities and qualification requirements.

In essence, the crane operator is responsible from the hook to the wheels – or for tower cranes, the hook to the foundation. This includes knowing the types of site conditions that could adversely affect the operation of the crane and reviewing requirements with the Lift Director. Additionally, the Crane Operator needs to inspect the crane and report needed adjustments or repairs



to a designated person. Being able to understand the load chart and determine net capacity as well as being cognizant of all factors that might impact crane capacity are also requirements. The Crane Operator should know standard signals (but is not required to be a qualified signal person) and should understand basic load rigging (but is not required to be a qualified rigger).

Under ASME (which covers all industries), the Crane Operator is required to be a qualified individual. Further, ASME defined content areas in which the Crane Operator must demonstrate knowledge, skills and abilities. This content is broken down into a written exam and a practical exam on the crane type the operator is operating. ASME also defined physical qualifications for the operator. In 2021, ASME modified the physical requirements to be similar to the DOT physical requirements for CDL licenses.

In 2018 OSHA released the last portion of the Federal Crane Rule for Construction, which has a similar but different qualification process for crane operators. OSHA defined three critical elements:

- An operator training process
- The licensing/certification requirements
- An employer evaluation process

For OSHA, training + certification + evaluation = qualification.

If an operator has not been certified and evaluated, they are an “operator-in-training” and may only be assigned

At a November 2021 NCCCO Foundation Industry Forum, OSHA reported their top 10 citations issued in the previous 12-months. The top citation was related to operator requirements.

tasks within the operator-in training’s ability. In critical lifting situations such as operations near energized power lines, personnel hoisting or multiple equipment lifts, the trainee must be certified. The operator’s trainer must be an employee or agent of the operator-in-training’s employer and have the knowledge, training and experience necessary to direct the operator-in-training on the equipment in use. Retraining is based on the performance of the operator or an evaluation indicating training is necessary.

For certification, OSHA requires that the certification is performed by a nationally recognized accrediting agency. There have been several changes as to which organizations are accredited. For the most up-to-date information, the NCCCO Foundation provides an Accredited Certifier Directory. Certification can be by type or by type and capacity. In cases where a nationally accredited certification is not available, OSHA directs that a “most similar” certification should be utilized. The NCCCO Foundation has created a Crane Type Advisory Group (CTAG) that identifies the most similar certifications to be used.

OSHA defined crane operator evaluation as where the employer must ensure that each operator is qualified by a demonstration of the skills and knowledge, as well as the ability to recognize and avert risk, necessary to operate the equipment safely, including those specific to the safety devices, operational aids, software and the size and configuration of the equipment. Size and configuration include, but are not limited to, lifting capacity, boom length, attachments, luffing jib and counterweight configuration. As well, they should have the ability to perform the hosting activities required for assigned work, including, if applicable, blind lifts, personnel hoisting and multi-crane lifts.

Said more simply, the evaluation needs to show skills and knowledge related to the crane as well as to the work. It is very important for crane operator employers to

OSHA OIS Inspection Data

Top 10 citations for Cranes in Construction

(10/1/20 – 9/30/21)

1926.1427(a) - General requirements for operators – certification
1926.1408(a)(2) - Power lines, determination of radius
1926.1412(f)(1) - 12-month inspection
1926.1417(c)(1) - Applicable procedures within cab – load charts
1926.1425(b) - Keeping clear of the load - fall zone
1926.1408(b)(4) - Power line safety measures – spotter, visual aids
1926.1412(d)(1) - Competent person visual inspections
1926.1424(a)(2) - Swing radius entrance prevention
1926.1425(c)(3) - Materials rigged by qualified rigger
1926.1428(a) - Signal person qualifications

CCO Certification programs

NCCCO currently offers an industry-leading range of personnel certifications that address crane and crane-related operations. The organization’s 28 certification designations across 12 categories provide the industry’s most comprehensive portfolio of personnel certifications available. Most are accredited by ANSI to the international standard ISO 17024, they are officially recognized by federal OSHA as meeting or exceeding ANSI/ASME requirements, and they are endorsed by all leading insurance providers and industry membership associations.

- Mobile Crane Operator
- Tower Crane Operator
- Overhead Crane Operator
- Articulating Crane Operator
- Digger Derrick Operator
- Dedicated Pile Driver Operator
- Drill Rig Operator
- Signallerperson
- Rigger
- Crane Inspector
- Washington State Crane Certifier
- Lift Director
- Concrete Pump Operator (coming in 2022)
- Telehandler Operator (coming in 2022)

Get more information about these certifications on the CCO website at www.nccco.org.

have a plan and a strategy for complying with these detailed requirements. Differences in crane type, manufacturer, software systems, attachments, etc. should be considered when differentiating evaluations. Further, the type of work should be differentiated as well. Some organizations have defined “standard” lifts and have unique evaluations for “non-standard” lifts such as working around power lines, personnel hoisting, critical lifts, multi-crane lifts and multi-load line lifts. Lastly, and perhaps most importantly, the evaluation documentation must contain the operator’s name, evaluator’s name and signature, the date, the make, model and configuration of the equipment. It also must be available at the worksite.

‘Eyes and ears’

Signallpersons can have the greatest >30

impact on a jobsite with a crane, and as you see in the previous graphic, also comes in as one of the top 10 citations by OSHA. In essence, they are the eyes and ears of the operator – especially in situations where the operator cannot see the load. Rightfully, the signalperson requirements have grown in OSHA and are an area of focus for ASME.

Under OSHA, the signal person must be a qualified person and is required when the point of operation is not in full view of the operator, view of direction of travel is obstructed or when there are site specific safety concerns that the operator or person handling the load determines it is necessary. OSHA allows for two options of qualifying a signal person: Option 1 – Third-party qualified evaluator, or Option 2 – Employer’s qualified evaluator. Under Option 1 the qualification is portable, whereas under Option 2 it is not. In either case the qualification must be documented.

The documentation must be available at the site and must specify what type of signaling. The signal person must be qualified through an oral or written test and through a practical test. Further, the tests must cover the following content:

- Knowing and understanding the type of signals used.
- Understanding the Standard Method for hand signals (if hand signals are used).
- Competently applying the type of signals used.
- Having a basic understanding of equipment operation and limitations, including crane dynamics involved in swinging and stopping loads and boom deflection from hoisting loads.
- Knowing and understanding the relevant requirements of the regulations.

Under ASME, the signal person area has become an area of focus. ASME B30.5-2021 delineated responsibilities of the signal person, consisting of such items as:

- Directing movement of the crane and/or load.
- Signaling equipment (when used).
- Utilizing standard hand or voice signals.
- Verifying that special signals (when required) do not conflict with standard signals.
- Avoiding commands that results in loads going over people (whenver possible).

It is anticipated that ASME will work to define signal person qualifications in

the coming versions of B30.5 and the requirements would likely also contain a written (or audible) and a practical exam.

Rigger responsibilities

Riggers are a key area of responsibility when working with cranes. This role typically hooks and unhooks the loads from a crane. OSHA focused on this area and now ASME has weighed in as well.

Under OSHA, the rigger must be a qualified person and is required when hooking/unhooking or guiding a load, doing the initial connection of a load to a component or structure, rigging operations during assembly/disassembly of a crane/derrick or anytime workers are within the fall zone. The fall zone means the area (including, but not limited to, the area directly beneath the load) in which it is reasonably foreseeable that partially or completely suspended materials could fall in the event of an accident. Said another way, where will the load wind up if it fell? If the load is round and can roll, there might be a much bigger fall zone than the “drop” area.

In 2018, ASME added the role of rigger into the B30.5 standard. It states in part “The rigger selects, configures and assembles the rigging equipment for the attachment, support, control and detachment...” ASME went further by outlining the rigger’s responsibilities as:

- Ensuring the weight of the load and its approximate center of gravity have been obtained.
 - Selecting the proper rigging equipment, inspecting it and complying with applicable ASME volumes.
 - Ensuring the rated load of the rigging equipment as configured is sufficient for the load based on the number of legs, hitch, and effects of angles.
 - Properly attaching the rigging equipment.
 - Ensuring that rigging equipment is adequately protected from abrasion, burring or other damage during load handling activities.
 - Rigging the load in a manner to ensure balance and stability.
 - Knowing and understanding the applicable signals for equipment in use.
- Further, the Lift Director’s role was modified to overseeing the rigger.
- In 2021, ASME B30.5 added rigger qualifications to include a written and practical examination covering:
- Selection and use of rigging
 - Appropriate application

- Weight, center of gravity, loading
- Inspection criteria

ASME also specified that riggers who do not meet the requirements are trainees and therefore require direct supervision by a qualified rigger.

What about A/D?

There seems to be considerable confusion over the role of an Assembly/Disassembly Director. While OSHA created the concept of this position, ASME’s Lift Director role can also be applied. Because ASME is not as clear, the following description focuses on the OSHA definition (which is why the box in the graphic at the beginning of this article is green).

Under OSHA, the Assembly/Disassembly Director needs to be both qualified and competent. This means that they must both have the knowledge of what the issues are as well as the ability to resolve them. OSHA rightly recognized that often “qualified and competent” does not exist in one single person and allowed that if there was more than one person performing this role, it would be a competent person who is assisted by one or more qualified persons (OSHA 1926.1404(a)). An example would be a large crawler crane: The supervisor of the assembly crew would typically be the competent person and they would be assisted by a manufacturer representative, soils engineer, mat engineer, etc. Assembly/Disassembly Directors are responsible for:

- Holding an assembly/disassembly safety meeting before work begins to check that crew members understand tasks and hazards.
- Following the manufacturer or employer procedures for assembly/disassembly.
- Following manufacturer prohibitions.
- Mitigating 12 specific hazards ranging from blocking, center of gravity, assist crane loading and winds.
- Inspecting post assembly.

In many places, the post-assembly inspection is required to be documented so that the Crane Owner, User, Site Supervisor, Lift Director and Operator have some documentation to rely on regarding the condition of the crane post-assembly. In some cases, contractors are even requiring this post-assembly inspection to be done by a third party. At the end of the day, knowing the roles and responsibilities when working around cranes makes for a safer jobsite. ■



YOUR ONE SOURCE FOR LIFTING & RIGGING LEARNING

Visit the Lifting & Rigging Learning Center and subscribe to have new articles, videos, podcasts, and downloads sent directly to your inbox!

Learn more about:

- Overhead Cranes
- Crane Service
- Below-The-Hook Lifting Devices
- Hoists & Hoists Parts
- Rigging Equipment
- Rigging Inspections
- Training
- Fall Protection
- Warehouse Solutions



MAZZELLA®

1-800-362-4601
mazzellacompanies.com

Eventful year

The *Sixth Annual Industry Forum on Personnel Qualifications*, held as a hybrid event in November, was judged a major success by those who attended; fully 95 percent stated that the *Forum* “met or exceeded” their expectations, and 90 percent would “definitely” attend another.

The four-hour hybrid conference, held both in person in Arlington, VA and via Zoom, attracted record registrations of almost 500 safety professionals from 45 states. There was no charge to attend the *Forum* thanks to the generosity of event sponsor, Industrial Training International (ITI).

This year’s *Forum* built on the success of previous events with sessions focused on the latest developments in regulations and best industry practices as they pertain to the qualifications of personnel working in, with and around cranes and other types of lifting equipment. Back as keynote speaker for the third consecutive year was Scott Ketcham, Director of OSHA’s

The NCCCO Foundation:
Continuing its mission of
industry education, advocacy
and research. Highlights
from an eventful year.



Scott Ketcham, Director of OSHA's Directorate of Construction

Directorate of Construction, whose presentation provided some revealing and engaging statistics on what compliance officers have been looking for recently when they inspect

crane operations.

Rated 'highly successful'

In all, 11 presentations were made by various industry experts on topics ranging from the impact of training on certification success to challenges posed by workforce development initiatives, and addressing

NCCCO FOUNDATION

such issues as why accreditation is so important for certification bodies, what new certification initiatives are being readied for release and what safety professionals should expect from new or revised B30 standards in the next year or two. How the NCCCO Foundation’s online accreditation and crane type *Directories* can assist employers in compliance and best practices with regard to crane operator qualification requirements, was also the subject of *Forum* sessions.

Video transcripts of each session presented at the *Forum* as well as the PowerPoint slides (in pdf format) that presenters used are available for free download from the NCCCO Foundation website using password FORUM2021.

Recognizing veterans' excellence

The NCCCO Foundation and Heavy Equipment Colleges of America (HEC) have developed a new program



A new feature of the NCCCO Foundation’s Accredited Certifications Directory is an introductory section that indicates any changes that have occurred since the last update. Under the terms of the crane operator qualification rule, 29 CFR 1926.1427, OSHA requires all certification organizations providing certification to crane operators to be accredited. The Who’s Accredited Directory is designed to aid employers to determine whether or not a certification organization is accredited by a nationally recognized accrediting body, as OSHA requires. The Directory also provides a direct link to the listing maintained by the two accrediting bodies that OSHA recognizes: ANSI and NCCA.

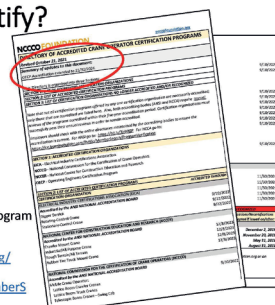
Sixth Annual Industry Forum: By the Numbers

489	No. of registrants increased 67% over last year
92%/95%	Percentage of those attending rated the <i>Forum</i> as “meeting” or “exceeding” their expectations (in person/via Zoom).
90%	Those who would “definitely” attend another <i>Forum</i> (a further 8% would “maybe” attend.)
70%	Attended via Zoom
17%	Those attending via Zoom who would consider attending a future <i>Forum</i> in person

Who’s Accredited to Certify?

ncccofoundation.org/whos-accredited

- Accredited by ANSI National Accreditation Board
 - NCCCO – National Commission for the Certification of Crane Operators
 - NCCER – National Center for Construction Education and Research
 - EICA – Electrical Industry Certifications Association
- Accredited by NCCA
 - OECF – Operating Engineers Certification Program
- Verify at the source:
 - For ANSI: <https://anab.ansi.org/credentialing/>
 - For NCCA: <https://ice.learningbuilder.com/Public/MembersSearch/ProgramVerification>



NCCCO FOUNDATION

All educational materials developed by the NCCCO Foundation are available online free of charge at www.ncccofoundation.org. Suggestions for additional resources are always welcome at info@ncccofoundation.org.

NCCCO FOUNDATION MISSION

To promote **industry safety** by

- **educating** and **advocating** for personnel safety and certification,
- performing **research** to improve standards and certification protocols,
- **making certification possible** for more individuals by providing scholarships for training and certification programs, and related activities.

The MSCDirectory – Example 1: By Crane Type



OSHA's Final Rule on crane operator qualifications requires crane operators to be certified [29 CFR 1926.1427(c)(2)]. However, in those cases where no accredited certification examinations for a particular type of equipment exist, OSHA states that "an operator will be deemed to have complied with the certification requirements of this section if the operator has been certified for the type that is most similar to that equipment and for which a certification examination is available." [1427(d)(2)] (emphasis added). Over the past year, the NCCCO Foundation has improved access to, and navigation within, its Most Similar Certification Directory in a continuing effort to assist employers to OSHA's requirements.

Veterans In Crane Training Outstanding Recognition



- Available exclusively to serving military/veterans crane operator classes
- DoD "limits" awards/prizes to \$100 (gift card)
- The Foundation will reward the top performer in each class
- Two runners-up receive joint branded item (Yeti beverage tumbler)
- Based on 10 classes annually (likely only 2 for the remainder of 2021)

designed to recognize top-performing veterans. Central to the new program is the **Veteran In Crane Training Outstanding Recognition** (or V.I.C.T.O.R.) award which will be presented to the top-performing veteran in each HEC training class for NCCCO mobile crane operator certification.

A key factor in the decision to develop this program with Heavy Equipment Colleges of America

was HEC's status as an authorized organization through the Department of Defense's SkillBridge program that allows service members to gain valuable civilian work experience through specific industry training, apprenticeships or internships during their last 180 days of service.

The V.I.C.T.O.R. program is being offered at HEC campuses at the Ft. Irwin Base in California and at Joint Base Lewis-McChord in Washington State. ■

Non-compliance with OSHA's requirements for crane operators to be certified topped the citations issued by the Agency during the last fiscal year it was revealed by OSHA Construction Directorate Director, Scott Ketcham, at this year's Annual Industry Forum on Personnel Qualifications. In his keynote presentation, the third he has made in as many years at the Forum, Ketcham indicated that this was an indicator of things to come once the Compliance Directive on crane operator certification was issued. The signal person standard also made the list again and rigger qualifications and competent person visual inspections were new arrivals. See the chart 'OSHA OIS Inspection Data' on page 29.

Reports still available!

THE CRANE OPERATOR EVALUATION SPECIAL REPORT provides a valuable means by which employers can benchmark their understanding and level of compliance with the OSHA rule against their industry peers. It also contains valuable background on the OSHA rule, a list of online evaluation forms (with links) that industry associations have developed and a three-page list of *Frequently Asked Questions*.

CRANE OPERATOR EVALUATION FAQs.

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

VIRTUAL REALITY AND CERTIFICATION

SPECIAL REPORT. Can virtual reality (VR) technology play a role in certification testing? That's the question asked and (partially) answered in this special report from the NCCCO Foundation. Following a ground-breaking new study conducted over an eight-month period comparing candidate performance on real vs. virtual cranes, this report intriguingly suggests there may be potential for the use of VR technology in delivering exams to crane operators.

Not slowing

A strong 2021 positions SC&RA for an exciting year to come.

While the pandemic hung around throughout 2021 in various ways, SC&RA didn't wait around to make things happen. Instead, the Association got to work early in the year – modifying the meeting schedule to accommodate live events, and continuing to endeavor on multiple levels for the benefit of all members, both domestic and international.

The result? An outlook for 2022 radiating with excitement and optimism – signified early on by three meetings back in their familiar calendar slots within the first four months of the year. But if the future is a reflection of past preparation, then SC&RA's continued work to weather the storm in 2021 has

only cleared the way for further success heading into the year to come. And because of that, it's worth looking back on what the past twelve months ultimately produced.

Since membership is the backbone of the Association, there is perhaps no greater symbol of the value SC&RA was able to bring to its more than 1,300 members in 2021 than a membership-retention rate of 92.5 percent.

Said CEO Joel Dandrea, "It's a great sign of loyalty and trust. Our members see that, in light of the challenges, we've been able to reduce expenses, retain an excellent staff, continue on key advocacy and communication efforts while also focusing on our affinity programs – all while adding back in live events."

As mentioned, while the landing dates may have been modified a bit,

SC&RA still managed to put together three in-person and very successful meetings, starting with the Specialized Transportation Symposium in June, followed by the Crane & Rigging Workshop in September and the Annual Conference in October.

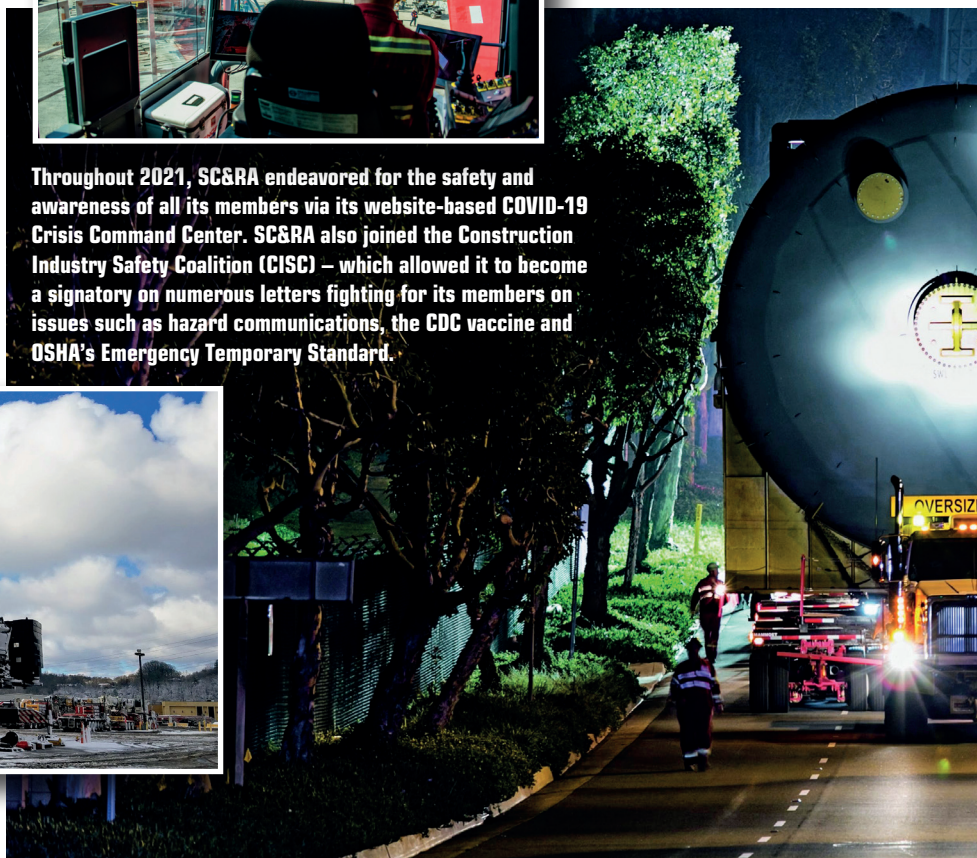
Dandrea also noted that, "Sponsorship commitments have been strong, and participation in awards programs like the Jobs of the Year was as impressive as ever."

Equally impressive, he added, was the 2022-2023 renewal of SC&RA's two endorsed market partners, National Interstate Insurance Company and NBIS, as well as four preferred producers – Allied Insurance Brokers, Emery & Karrigan, Hays/Brown & Brown and USI Insurance Services.

"These two key market partners continue to provide exceptional products and services for SC&RA members," he said, "and the platform of four preferred producers provides yet further options for members with diverse



Throughout 2021, SC&RA endeavored for the safety and awareness of all its members via its website-based COVID-19 Crisis Command Center. SC&RA also joined the Construction Industry Safety Coalition (CISC) – which allowed it to become a signatory on numerous letters fighting for its members on issues such as hazard communications, the CDC vaccine and OSHA's Emergency Temporary Standard.



down

insurance and risk-management needs and diverse approaches to shopping and placing their coverage.”

Building momentum

Throughout 2021, the Association continued to endeavor for the safety and awareness of all its members via its website-based COVID-19 Crisis Command Center. SC&RA also joined the Construction Industry Safety Coalition (CISC) early in the year – which allowed it to become a signatory on numerous letters fighting for its members on issues such as hazard communications, the CDC vaccine and OSHA’s Emergency Temporary Standard.

In addition to joining CISC, SC&RA also worked with the U.S. Small Business Administration (SBA) on two standards: tree removal and emergency response. And throughout 2021, SC&RA has been emphasizing the inclusion of crane-related information in permit discussions at the state and local levels – which will ultimately be included in SC&RA Permit Manual updates.

“We’re also researching which

states offer a blanket permit specifically for mobile cranes, and we’re very close to including mobile crane weights and permitting into the Association’s overall harmonization efforts,” said Beth O’Quinn, SC&RA Senior Vice President, Crane & Rigging.

Staying busy on the crane side, the Association also submitted a letter to the California Occupational Safety and Health Standards Board, requesting that they reconsider that proof load tests be based on manufacturers’ load ratings for the conditions of use, while not exceeding 110 percent of the maximum load ratings for the boom on the crane.

Continuing its work with the International Crane Stakeholders Assembly, SC&RA was able to release a guidance – Mobile Crane Ground Preparation for Wind Farm Construction – available to members through the Association website or mobile app.



“ Our members see that, in light of the challenges, we’ve been able to reduce expenses, retain an excellent staff, continue on all of our key advocacy and communication efforts while also focusing on our affinity programs – and even add back in live events. ”

JOEL DANDREA, CEO, SC&RA

Additionally, SC&RA published the Understanding Tower Crane Bare Rental Agreements document, a new tool to help tower crane companies protect

themselves against unfair and biased agreements.

Momentum being what it is, the Crane & Rigging and Transportation Groups worked collaboratively in 2021 to address an increase in crane issues at the state level, which included: improperly taxed operations in South Carolina, super load limits and exorbitant engineering survey requirements in Massachusetts and now,

newly required police escorts and nighttime movements in Maryland.

Notable wins

For the Transportation Group, the South Carolina result ultimately ended up being a huge win for SC&RA mobile crane and special mobile equipment operators when the state recognized that it was improperly taxing them through IRP/IFTA – when they were otherwise exempt.

To that end, collaboration with the Crane & Rigging Group also led to solving Massachusetts’ 130,000-pound super load limit and required route



surveys. SC&RA has also joined the state trucking association there in its efforts to repeal sales taxes on rolling stock equipment.

“Additionally,” said Chris Smith, SC&RA Vice President, Transportation, “a new UPT 2021 strategic plan to help get the final fourteen states over the line on automation continues to move forward.”

Representing another notable win, he added, “HB19 passed the Texas Legislature this summer and was signed into law – preventing the naming of the carrier in an accident lawsuit until the court can determine if the driver was found to be at fault.”

Looking ahead, the SC&RA Safety and Pilot Car Committees have convened a joint task force to develop a best-practice guide for pre-trip meetings between pilot cars and carriers. Smith also indicated that SC&RA’s Permit Policy Committee will pursue Phase III permit harmonization with AASHTO.

Continued benefits

The Specialized Carriers and Rigging Foundation (SC&RF) had a busy 2021 as well, conducting its own internal Workforce Survey, whereby 68 members responded. A report on the data will be released in early 2022.

Additionally, the Foundation approved \$15,000 in funding for the update and revisions to its 2011 research study *Transporting a Global Economy*, which will help to bolster SC&RA advocacy platforms, and include crane data as well as the new workforce data.

“This research holds particular value because we haven’t really had specific information about our industry up to this point,” said Jackie Roskos, Director, SC&RF and SC&RA Ladies Group. “Now we have a significant

snapshot of industry specific workforce data for crane, rigging and OS/OW.”

As for scholarships, said Roskos, “This year, the board felt it prudent to slightly reduce funding, but to date, eleven recipients have been selected, and \$15,830 has been awarded in addition to \$17,900 in ‘Partner in Education’ tuition.”

Relatedly, at the 2021 Annual Conference, SC&RF announced several new multi-year commitments, including The Taylor Family Foundation, NBIS, the James Lomma Memorial and the Doug Ball Memorial.

Moving into 2022 on the workforce side, Roskos explained that the Foundation is looking at how to better define the objectives and goals for Lift & Move USA.

“COVID gave us the opportunity to reimagine Lift & Move, to reidentify what worked, what didn’t – to reclarify objectives and goals. And hopefully a new program rolls out as a result – one we can work with members on and continue to benefit the industry with.”



THE NEXT GENERATION IN **HEAVY LIFT** TOWER CRANE SOLUTIONS

J1400

Max. Load: 64t

Simply excellent cranes



The Tower Crane Company

JASO TOWER CRANES

Ctra. Madrid-Irún, Km 415 • 20213 Idiazabal (Gipuzkoa) • Spain

T. (+34) 943 187 000 • E. jaso@jaso.com • www.jaso.com

Follow us at:

www.jaso.com



JASO GROUP®



Specialized
Carriers &
Rigging
Association

OUR MEMBERS LIFT & MOVE THE WORLD

PRODUCT CATALOG

PERMIT MANUAL

STATE & PROVINCE OVERSIZE/OVERWEIGHT PERMIT MANUAL DIGITAL SUBSCRIPTION

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

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

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

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



EDUCATION/TRAINING

FORKLIFT RIGGING ATTACHMENTS

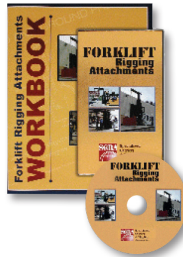
This 20-minute video and workbook covers the most common forklift attachments from booms, winches, and side shift carriages to personnel baskets and fork extensions.

Item F8B (DVD & Workbook)

R \$119.00 **M** \$89.00

Item F8W Additional Workbook

R \$39.00 **M** \$29.00



OPERATING CRANES AROUND POWER LINES

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

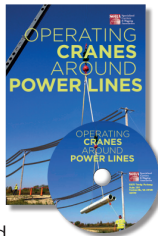
Item PL_SET (DVD & Book)

R \$195.00 **M** \$150.00

Item PL_B (Book Only)

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

26-75 copies: **R** \$9.99 **M** \$6.99

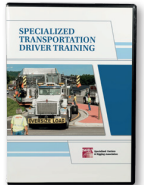


SPECIALIZED TRANSPORTATION DRIVER TRAINING

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

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

Item S16D (DVD): **R** \$195.00 **M** \$150.00



THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT

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

Please specify English, Spanish or Portuguese.

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



R = Retail
price

M = Member
price

EDUCATION/TRAINING cont.

GLOSSARY OF COMMON CRANE AND RIGGING TERMS

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

Item CR5 (English)

Item CR5-S (Spanish)

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

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

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



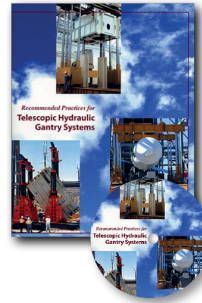
RECOMMENDED PRACTICES FOR TELESCOPIC HYDRAULIC GANTRY SYSTEMS

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

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

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

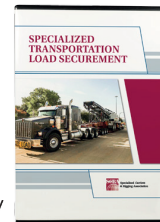
Item HG (Add'l Books): **R** \$69.00 **M** \$49.00



SPECIALIZED TRANSPORTATION LOAD SECUREMENT

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

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



ONLINE TRAINING

SC&RA is pleased to introduce online training for employees. Visit scranet.org/training to view available course and webinars.



PRODUCT CATALOG

R = Retail price

M = Member price



Specialized
Carriers &
Rigging
Association

OUR MEMBERS LIFT & MOVE THE WORLD

PRODUCT CATALOG

TRANSLATED PRODUCTS

CRANE HAND SIGNALS POSTER DECAL— ENGLISH/SPANISH

Available in both English and Spanish (on one decal), with an illustration for each signal.

The 11" × 16" decals are printed in black ink on durable white adhesive-backed vinyl, ideal for application to exterior painted metal equipment.

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



CRANE HAND SIGNALS MOBILE APP

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



CRANE HAND SIGNALS POCKET GUIDE

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

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



GLOSSARY OF COMMON CRANE AND RIGGING TERMS

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

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

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

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

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



THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT

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

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



FREE RESOURCES FOR SC&RA MEMBERS

Members enjoy free access to crane, rigging, transportation and business resources at www.scranet.org/membersonly.

SIGN IN

Username

Password

☐ Remember me

Sign In

Forgot my password or my username

Create a new account

R = Retail
price

M = Member
price

SCRANET.ORG/
STORE

MEMBER DIRECTORY

DIRECTORY OF MEMBERS AND EQUIPMENT

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

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

Item T7 (Print): 1-5 copies: **R** \$115.00 **M** \$50.00

6-10 copies: **R** \$115.00 **M** \$45.00

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

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

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



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



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



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



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

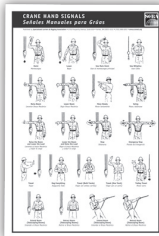


SIGNS/DECALS

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
T1	\$300.00	\$160.00

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
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
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
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
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

Care, custody

Jason Baynard discusses the challenges of navigating the complexities of assuring the most optimal insurance coverage for your business.

Regular readers of this column will know that we at NBIS are known for emphasizing the importance of having the right insurance for your business. Because we work exclusively with companies in the crane and rigging, concrete pump, and specialized transportation industries, we are well-versed in navigating the complexities of delivering the most optimal coverage for your unique business. One thing we've seen time and again with our insureds is the need to address bailee coverage, also known as care, custody, and control coverage, or CCC.

The average consumer will be well-acquainted with examples of a bailor/bailee situation. If you take your car to a mechanic for service, you are the bailor (as the owner of the car) and your mechanic is the bailee (as the entity that takes it into their possession for service). What happens if your car is damaged while at the mechanic's garage? Who is liable for any losses or damages incurred? Bailee coverage addresses scenarios like these and is essentially analogous to the term more aligned with insurance for the heavy construction industry, which is CCC.

Defining CCC

Following are the understood definitions of the three Cs.

- **CARE** is when your company is temporarily in possession of or responsible for watching over another person or company's property (known as third-party property).
- **CUSTODY** is when you are responsible for safeguarding the property.
- **CONTROL** is when you have power or

authority over the property.

Note that not all three of these need to be true in order for an exposure to be considered CCC. And, be aware that CCC refers only to personal property, not real property such as buildings or permanent structures.

Let's say your company is a crane and rigging operation that routinely takes customer (third-party) property into its possession. As part of a job, you agree to receive a drop-shipped HVAC unit from an OEM and hold it at your yard or warehouse for a customer until it is ready to be lifted, transported to, and then installed at its final destination at the customer's facility. In this scenario, you will be temporarily in possession of third-party property – the HVAC unit belonging to your customer.

Covering exposures

If your business operates in a way where even one element of this example sounds familiar to you, then getting up to speed on the necessity of CCC coverage is non-negotiable. Your company has to ensure that your insurance policy covers exposures arising from any loss or damages of customer property during any part of this process – storage, lifting, transporting, or installation.

Addressing CCC coverage through general liability. At one point the transport system had to travel in reverse for five miles depending on the nature of the exposure. The first is through a general liability (GL) policy. GL policies inherently exclude real and personal property, but NBIS and other markets in this space will often add an endorsement to the GL policy that will allow the CCC to apply to third-party items held on behalf of others.

The benefit of addressing CCC coverages through the GL policy is that not only could your GL policy respond in the event of a loss, the CCC (or often Riggers Liability) can flow through the lead 5M excess, or 5x5 depending on

project-specific needs and contractual requirements. Instead of containing your CCC exposure to your million-dollar occurrence limit on the GL policy, if your Excess policy is a Follow Form policy there may be coverage above the primary \$1M for an occurrence. However, you and your agent need to understand both policies and related impacts in a claims scenario.

While addressing CCC under general liability coverage is an option, be aware that it can create unintended exposures. GL policies by default typically do not, for example, cover temporary storage of items – so if your crane company is temporarily storing that HVAC unit, depending on your exact GL coverage and endorsements, you might not be covered in the event of loss or damage to that third-party property. GL also wouldn't cover damages incurred during an over-the-road haul.

Essentially, the general liability coverage is often just that – general. It's up to you to ask the right questions of your insurance agent and provider to determine if this is the right choice for you.

Addressing CCC coverage through inland marine. If addressing your CCC exposures through GL isn't right for your company, the other method through which CCC coverages are typically addressed is through five main forms that fall under the banner of inland marine insurance. You're already familiar with inland marine, which covers products and equipment when transported over land by train or truck or when temporarily warehoused by a third party. These five forms are rated and independent CCC coverages.

1 RIGGERS LIABILITY INSURANCE

Insurance for a contractor's liability arising out of the moving/storing of property and equipment that belongs to others, such as lifting air-conditioning units onto a roof with a crane. (Third-party exposure).

2 INSTALLATION FLOATER

Covers personal property installed, fabricated or erected by a contractor. It covers the property until the installation work is accepted by the purchaser or when the insured's interest in the property



THE AUTHOR

Jason Baynard is an AVP of underwriting for NBIS with decades of Inland Marine experience.

and control

“ Insurance for companies in the crane, rigging and specialized transportation industry is never one-size-fits-all. ”

installed ceases. (First-party and third-party exposures).

3 MOTOR TRUCK CARGO

Provides coverage on the freight or commodity hauled by a for-hire trucker. It covers liability for cargo that is lost or damaged due to causes such as fire, collision, or striking of a load.

4 WAREHOUSE LEGAL LIABILITY

Insurance for warehouse storage operations. It helps cover a business as a bailee, or in other words, a business entrusted with the property of another, for direct physical loss or damage of property that happens during storage, cross-docking, packaging, labeling or other services provided by the bailee.

5 REAL PROPERTY

Provides protection against most risks to property, such as fire, theft and some weather damage. This includes specialized forms of insurance such as fire insurance, flood insurance, earthquake insurance. It is meant to protect the investment insured made in their business property (BPP), including office space, tools, equipment, inventory, and other property (PPO) that they use to run their business.

As you can see, the approach to addressing CCC coverage through the inland marine avenue is more detailed and offers coverages that deal with specific situations frequently experienced by companies in our industry.

Key takeaway

The key takeaway is that it's important to be aware of the exposures triggered by CCC situations and ask the right questions of your agent and insurer. Insurance for companies in the crane, rigging and specialized transportation industry is never one-size-fits-all. For more information, contact NBIS at 866-668-6247 or your broker/agent for details. ■

Make sure you are up to speed on your unique exposures and how to address them. NBIS can help. Visit NBIS.com or contact us at (866) 668-6247 today.



BAY CRANE

- Crawler Cranes to 900 tons
- Telescopic Cranes to 770 tons
- Specialized Transport to 4,500 tons
- Project Logistics and Warehousing
- Specialty Rigging Equipment
- Professional Engineering and Lift Planning

NEW YORK

11-02 43rd Ave
Long Island City, NY 11101
718-392-0800

RHODE ISLAND

115 Lydia Ann Road
Smithfield, RI 02917
401-349-2755

MASSACHUSETTS

12 Ledin Drive, 83 Freeport Street
Avon, MA 02322 Boston, MA 02122
774-406-1466 774-666-0214

WESTCHESTER

57 Canal Road
Pelham Manor, NY 10803
914-727-0107

CONNECTICUT

37 Nettleton Ave
North Haven CT 06473
203-785-8000

NEW JERSEY

1441 Chestnut Ave
Hillside, NJ 07205
973-391-9700

LONG ISLAND

389 New South Road
Hicksville, NY 11801
516-937-1523

NEW

www.BAYCRANE.com



Enhancing your

Shawn Los discusses the best approaches to adding value beyond an insurance contract.

When you think of insurance, the first thing that often comes to mind is the coverage provided by the policy, but what if that protection was only one of the multiple reasons you paid your premiums? If you find the optimal insurance carrier and producer team for your risk management needs, that should be the position you find yourself in over time. A comprehensive insurance platform will afford you numerous opportunities to leverage your program and manage your risk well beyond the basic insurance transaction. Consider checking into the following programs offered by insurance carriers and producers that provide a more holistic approach and add value beyond the insurance contract.

Many carriers offer risk or loss control services, but not all are created equal. Look for carriers that provide in-depth, customized solutions with their in-house teams as opposed to third-party “check the box” services. Many carriers and producers will offer and expect to visit your places of work to conduct a thorough on-site review of your safety practices and procedures. These visits are most productive when consultative in nature and not a superficial review of a generic checklist. Following the visit, the insurance team should work with you on continuous improvement action plans and leveraging your strengths. Strong insurance carriers will have the expertise to offer specific feedback, programs and best practices that can make

enhancements easy and cost-effective to implement at your organization. Pointing out areas for improvement is the most basic level of service; working with you to truly improve and formally implement change is critical.

Discounts and subsidies

Running your business is costly, and depending on the size of your organization, you may not have the buying power of a collective group. Check with your insurance team to see if they offer subsidy or discount programs to help lower your overall expenses. For example, National Interstate offers several programs; from a true Automated Event Recorder (AER) subsidy program, where the provider is paid a set amount on your behalf per month for each camera you utilize, to a buying program called CoPilot ProPurchase, where you can receive discounts on everyday items like shop equipment, tires and office supplies. Programs like these may offer instant savings on items you are already paying for every day, so why not take advantage and favorably impact your bottom line?

As equipment management becomes increasingly ubiquitous and critical to running your operations, there may be an opportunity to collaborate with your insurance team on the telematics front. National Interstate recently launched a CoPilot Telematics portal that allows for a cohesive and collaborative approach to telematics management. Through a customized dashboard you can gain insight into your current solutions and see how it interacts with your Claims and Risk Control services. As this dashboard is specific to your data, the recommendations are specific to your operation. Marrying multiple data sources together can help move your risk management program to another level. This type of integration can provide more meaningful insights to identify areas you would like to improve and meet the goals you are working towards with your insurance advisors.

Safety equipment

Insurance Risk Control professionals have the opportunity to see all the latest and time-tested safety equipment utilized in practical working environments, giving them a unique perspective on what works best across a wide variety of use cases. In addition to working with your insurance team on assessing the most effective equipment for your organization, many carriers have relationships with vendors that may allow you to pilot equipment before making a larger investment or have discounted options when you make a purchase. Your insurance advisors may be able to connect you to another operator to get their feedback, as well. When navigating the multitude of products in the market, it is important to get a well-informed referral to save time, stress and additional costs down the road.

Ensuring regulatory compliance and having the tools to deal with situations where you may be falling short, or could in the future, is a tall task requiring technical expertise and experience. Services will differ by carrier and producer, but options may include mock DOT audits, job safety analyses, OSHA guidance, as a few examples. Be sure to understand all the technical resources available to you and utilize them as you navigate your business.

Industry advocacy

It is crucial to consider the value of collaborating with insurance professionals who know and are deeply involved in your industry. Not only will they better understand your unique needs and the intricacies of your business, but they can also help drive industry-wide improvements through advocacy with organizations like the SC&RA and others. Crane, Rigging and Specialized Carriers face increasing regulations and expectations every day, which can be difficult to navigate and stay on top of. When you work with industry experts, as opposed to generalists, you will likely see benefits that go well beyond the insurance policy.

Insurance organizations are stocked full of expertise and experience, but what



THE AUTHOR

Shawn Los is executive vice president 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.)



insurance platform

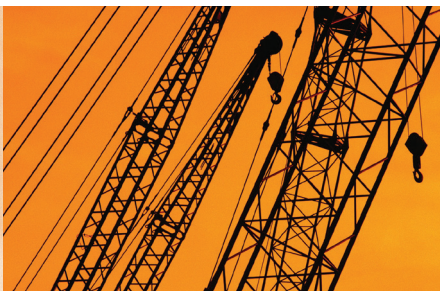
good is that institutional knowledge if you cannot effectively tap into it? Some companies offer access to all levels of employees, up through the highest levels. When you work with a company that espouses this operating philosophy, you have instant access to knowledge, decision-makers, and key stakeholders in your insurance programs. There is not a day that goes by where the National Interstate team is not speaking to producers, customers and industry experts on a variety of key topics. By working together cohesively, we can bridge communication barriers and share vital knowledge. A highly functioning insurance program removes the transactional nature of the business. It progresses into a symbiotic relationship driven approach focused on the needs of the customer and their overall experience.

Insights and benchmarking

At every corner you turn, you can't help but hear about the value of data, and rightfully so. How interesting and valuable would it be to know how your operation compares to your peers and how the industry is evolving around you? Your chosen insurance team may be able to provide meaningful insights that prove invaluable as you can consider where you need to improve, how you stack up to your competitors and where you shine. By working with industry specialists and experts you can find insurance allies that allow for anonymized data-sharing and benchmarking tools.

What if your insurance professionals knew your industry well enough to offer networking opportunities with your respected peers? One example of this is National Interstate's Titan Specialized captive program. Titan Specialized

brings together a select group of Crane, Rigging and Specialized Carrier leaders multiple times a year for multi-day informational sessions focused on their insurance program, safety, industry issues, financial reviews, benchmarking and ample networking opportunities. Spending time comparing notes with your respected peers has proven to be one of the most valued aspects of collaborative insurance programs. Your operation is unique and deserves more than a one size fits all solution. Instead of simply buying insurance, look for ways to truly manage your cost of risk. Through close interaction with your producer and carrier, you may find new ways to leverage one of your highest annual costs. National Interstate focuses on financing risk and building an insurance experience around you which includes benefits that go well beyond the policy. ■



PYTHON
AMERICA
HIGH PERFORMANCE WIRE ROPE

WWW.PYTHONROPE.COM

info@ascindustries.com

708.647.4900

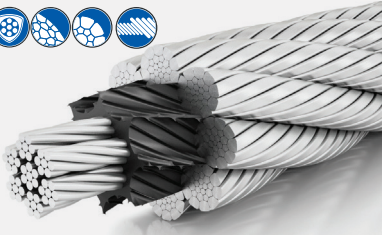
Python® Compac 35

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



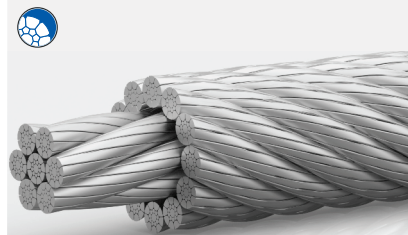
Python® Super 8

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



Python® Compac 18

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





Built STRONGER & Lasts LONGER

than any other outrigger pad built.

The only major manufacturer of both wood & custom composite.

AT BIGFOOT, WE BELIEVE THAT:

Making products in the USA still matters.

Hiring veterans brings some of the best workers any company can have.

Hard work and innovation must be constant for success.

Making a great product matters more than cutting corners to increase profit margins.

Making reliable, dependable products that last a lifetime should be the goal of every business.

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

WEDGE
WORKING LOAD RANGE:
0-46,297LBS,
24"x 7"x 6",
EACH WEDGE WEIGHS 24#

BIG GRIP BLOCK
WORKING LOAD RANGE:
110,231LBS TO 220,462 LBS,
24"x 12"x 6",
EACH BLOCK WEIGHS 55#

COMPOSITE OUTRIGGER PADS



WE MAKE ANY SIZE PAD YOU NEED



WE MAKE CUSTOM SOLUTIONS



WOOD OUTRIGGER PADS



CONSTRUCTION EQUIPMENT, INC.
Bigfoot
OUTRIGGER PADS

STRENGTH | STABILITY | SAFETY

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

Highest ever

American Cranes & Transport's 16th annual **ACT100**

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

The **ACT100** Index of North America's top crane-owning companies saw modest growth over the past year. It's impressive that it actually grew at all, given the challenges of the Covid-19 pandemic. The top 100 companies added 103,738 tons for a total index of 2,881,935. Last year the **ACT100** gained 159,537 tons of capacity for a total index of 2,778,193.

This year, the **ACT100** notched growth in every category except number of employees, which fell from 37,437

employees to 36,986 workers. This is understandable considering the impact of the pandemic. Last year, surveying start about the same time the pandemic began. Surveying this year started when vaccinations started peaking and the virus case counts began decreasing.

In 2019, the **ACT100** Index was 2,618,656 tons. In 2018 the **ACT100** Index was 2,495,860 tons and it was 2,365,977 tons in 2017. Growth in the **ACT100** is generally because of a relatively strong economy, mergers/acquisitions by the top 10 companies on the list and the addition of higher capacity cranes.

This year the number of branches increased from 720 last year to 766. As stated previously, employee counts dropped. For the most part, employee counts of the **ACT100** have ebbed and flowed over the past five years. Last year's peak of 37,437 workers finally surpassed the historic peak of 37,040 workers in 2015.

In 2020 our index showed 3,280 crawler cranes. This year there are 3,332 crawler cranes, a small gain of 52 units. In 2019 our **ACT100** reported 3,113 crawler cranes.

This year there were 16,415 mobile cranes as compared to 16,273 in 2020.

BY THE NUMBERS

EMPLOYEES

36,987

BRANCHES

766

MOBILE CRANES

16,415

CRAWLER CRANES

3,332

TOTAL CAPACITY

2,881,931 tons

SCOPE OF OPERATION:

REGIONAL 53

NATIONAL 30

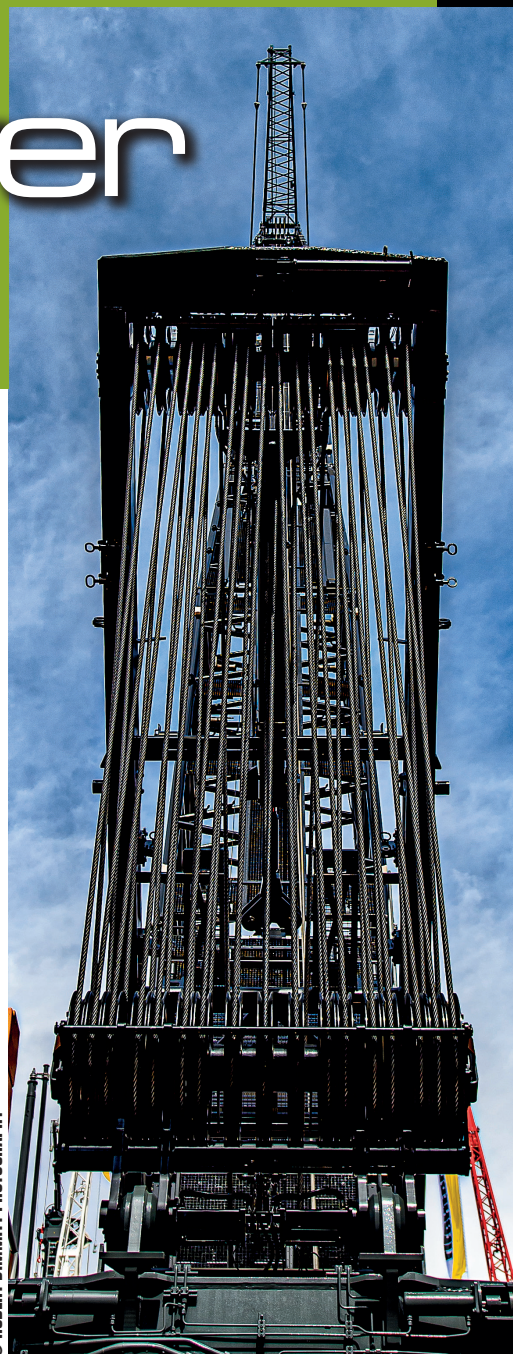
WORLDWIDE 20

NEWCOMERS TO THE LIST 9

ACT100 2022

Submit information for the 2022 **ACT100** by emailing:
d.annshiffler@khl.com or
hannah.sundermeyer@khl.com.

© ROBERT DIMMITT PHOTOGRAPHY



Top 10 largest crawler fleets

RANK 2021	COMPANY NAME	WEBSITE	CRAWLER FLEET	ACT INDEX
1	Maxim Crane Works	maximcrane.com	515	715,000
2	Lampson International	lampsoncrane.com	393	128,233
=3	Bigge Crane and Rigging Company	bigge.com	330	214,590
=3	ALL Family of Companies	allcrane.com	330	170,288
4	Buckner HeavyLift Cranes	bucknercompanies.com	168	99,884
5	Mammoet Americas	mammoet.com	136	99,689
=6	Marmon Crane Services Inc.	marmoncranes.com	104	120,704
=6	J.F. Lomma Inc.	jflommainc.com	104	46,000
7	W.O. Grubb Crane Rental	wogrubb.com	81	59,794
8	Mountain Crane Service	mountaincrane.com	68	38,953
9	Beyel Brothers	beyel.com	57	68,245
10	TNT Crane & Rigging	tntcrane.com	55	82,351

>50

RANK 2021	RANK 2020	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
1	➤ 1	Maxim Crane Works	USA	61	3,750	Worldwide	Bryan Carlisle, CEO
2	➤ 2	Bigge Crane and Rigging Company	USA	24	1,017	National	Weston Settlemier, President/CEO
3	➤ 3	ALL Family of Companies (ALL Erection & Crane Rental)	USA	34	1,546	Worldwide	Michael L. Liptak, President
4	➤ 5	Lampson International	USA	7	300	Worldwide	William Lampson, President
5	✓ 4	Marmon Crane Services Inc.	USA	48	2,175	Worldwide	Tim Benjamin, President
6	➤ 8	Buckner HeavyLift Cranes	USA	3	250	Worldwide	Doug Williams, CEO
7	✓ 6	Mammoet Americas	USA/CANADA	25	2,000	Worldwide	Paul van Gelder, CEO
8	➤ 9	Barnhart Crane & Rigging	USA	55	1,550	National	Alan Barnhart, CEO
9	✓ 7	TNT Crane & Rigging	USA	41	1,400	National	Mike Appling, CEO
10	➤ 10	Beyel Brothers	USA	9	100	Regional	Joseph D. Beyel, President
11	➤ 16	W.O. Grubb Crane Rental	USA	12	500	National	Michelle Grubb, CEO
12	✓ 11	Deep South Crane & Rigging	USA	8	700	Worldwide	Mitch Landry, President
13	✓ 12	Bragg Crane Service	USA	13	1,000	National	Mike Roy, Executive Vice President
14	✓ 13	J.F. Lomma Inc.	USA	8	180	Worldwide	Frank Signorelli, COO
15	➤ 19	Mountain Crane Service	USA	8	249	Regional	Paul Belcher, CEO
16	➤ 17	Guay Inc.	CANADA	24	500	National	Jean-Marc Baronet, President
17	➤ 18	Sarens USA	USA	4	243	Worldwide	Grant Mitchell
18	✓ 15	ML Holdings Company Crane Group	USA	10	605	National	Scott Wilson, President
19	➤ 22	Berry Contracting/Bay Ltd	USA	5	3,500	Worldwide	Berry Peterson, Vice President
20	➤ 21	Sterett Crane & Rigging	USA	8	120	National	Jonathan Spong, President
21	✓ 14	NCSG Crane and Heavy Haul	CANADA	9	300	National	Heather MacCallum
22	✓ 20	Scott-Macon Equipment	USA	8	200	Worldwide	Allan Woodruff, Executive Vice President
23	➤ 23	Marco Crane & Rigging	USA	6	239	National	Dan Mardian, Jr., President
24	➤ 25	Stevenson Crane Service	USA	4	216	National	Donna Stevenson, President
25	➤ 29	Superior Cranes Inc.	USA	8	225	Worldwide	Joe Everett, President
26	➤ 26	Lift Source Machinery	USA	1	9	Worldwide	Don Udelson, CEO
27	NEW	Davis Crane Companies	USA	10	291	Regional	Dennis Davis, President/CEO
=28	➤ 41	Custom Truck One Source	USA	45	1,800	National	Fred Ross, CEO
=28	✓ 25	Fagioli Inc. (USA)	USA	4	142	Worldwide	Edoardo Ascione, President
=28	✓ 24	Imperial Crane Services	USA	2	200	Worldwide	B.J. Bohne, President/CEO
29	➤ 31	Northwest Crane Service	USA	11	126	National	Andy Hodges, President
30	➤ 30	NessCampbell Crane + Rigging	USA	9	350	Regional	John Anderson, President
31	✓ 27	H&E Equipment Services	USA	11	2,285	National	Cary Burr, Senior Vice President of Cranes
32	✓ 28	Capital City Group	USA	7	310	Regional	Brian Gibson, President/CEO
33	➤ 34	Dielco Crane Service	USA	1	115	Regional	David Dieleman, President
34	✓ 32	Big B Crane	USA	3	116	Regional	Daniel Basden, President
35	✓ 33	Joyce Crane	USA	6	176	Regional	Joe Bob Joyce, President
36	➤ 38	Dozier Crane	USA	5	60	Worldwide	Dozier Cook, President
37	✓ 35	Kelley Equipment	USA	2	160	Regional	Daniel H. Gold, CEO
38	✓ 36	Circle 8 Crane Services	USA	6	123	Regional	Bryan Ericson, President
39	➤ 39	Mr. Crane/Inquipco	USA	3	150	National	Andy M. Steinberg, President & CEO
40	➤ =42	Wagstaff Crane Service	USA	4	135	Regional	Jim/Ron Wagstaff, Owners
41	➤ =42	Barcelona Equipment	USA	1	60	Regional	Bob Steiner, President

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

OUR CERTIFIED RENTALS BEGIN AT THE RENTAL CENTER



WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
maximcrane.com	2,850	515	Manitowoc 31000	2,535	715,000
bigge.com	933	330	Liebherr LR 11000	1,100	214,590
allcrane.com	1,759	330	Manitowoc 21000	907	170,288
lampsoncrane.com	64	393	Lampson Transi-Lift LTL-3000	3,000	128,233
marmoncranes.com	1,044	104	Liebherr LTM1700-9.1	900	120,704
bucknerheavylift.com	9	168	Liebherr LR-11350	1,764	99,884
mammoet.com	528	136	Mammoet PTC 200	5,000	99,689
barnhartcrane.com	522	52	Demag CC8800	1,375	86,973
tntcrane.com	570	55	Liebherr LTM 1750-9.1	900	82,351
beyel.com	195	57	Manitowoc 21000	1,000	68,245
wogrubb.com	284	81	Liebherr LR 1750/2	825	59,794
deepsouthcrane.com	241	26	VersaCrane TC 36000/2	3,000	57,525
braggcrane.com	367	47	Liebherr LR 1750/2	825	48,424
jflomainc.com	109	104	Manitowoc 18000 w/Maxer	825	46,000
mountaincrane.com	92	68	Liebherr LR 11000	1,100	38,953
gruesguay.com	429	20	Liebherr LTM 11200-9.1	1,500	38,659
sarens.com	106	32	SGC-250	5,000	35,842
mlholdingscranegroup.com	141	32	Liebherr LR1600/2	660	35,433
bayltd.com	101	23	Liebherr LTM 11200-9.1	1,500	29,055
sterettcrane.com	148	41	Terex CC2800-1	660	28,870
ncsg.com	165	27	Liebherr LTM 11200-9.1	1,350	28,589
smequipment.com	451	50	Tadano ATF220G-5	250	28,110
marcocrane.com	209	29	Grove GMK 7550 w/Megawing	550	25,318
stevensoncrane.com	177	29	Liebherr 1650	770	20,870
superiorcranes.com	114	17	Demag CC6800	1,375	19,537
LSMcrane.com	86	21	Liebherr LTM 1750	900	19,355
daviscrane.com	170	4	Liebherr LTM 1500-8.1	600	18,262
customtruck.com	443	11	Sany SCC8150	165	18,000
fagioli.com	12	16	Liebherr LR 11350 P1800	2000	18,000
imperialcrane.com	190	29	Liebherr LTM 1500	500	18,000
northwestcraneservice.com	38	6	Liebherr LR 11000	1,200	17,630
nesscampbell.com	106	8	Liebherr LTM 1500-8.1	600	17,290
he-equipment.com	223	-	Grove GRT 9165	165	16,900
ccgroup-inc.com	131	37	Manitowoc MLC650	776	16,445
dielcocrane.com	67	18	Liebherr LR 1600	660	14,955
bigbcrane.com	47	42	Liebherr LR1500	550	14,880
joycecrane.com	98	1	Liebherr LTM 1750-9.1	900	14,043
doziercrane.com	81	45	Kobelco CK 3300G-2	330	13,818
kelleyequipment.com	54	33	Demag AC500-2	600	13,650
circle8services.com	82	-	Grove GMK 7550	550	13,545
mrcrane.com	65	20	Liebherr LR1750	825	12,316
wagstaffcrane.com	86	8	Liebherr LTM 1750-9.1	900	11,750
barcelonacrane.com	51	40	Tadano ATM 400G-6	450	11,440

>52



RANK 2021	RANK 2020	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
42	↗43	Digging and Rigging	USA	6	230	Regional	James Gregory, Sr., President
43	↗45	Boss Crane & Rigging	USA	4	200	Regional	David Cowley, President
44	↗37	CraneWorks Inc.	USA	7	170	Worldwide	Keith Ayers, CEO
45	↗47	Irving Equipment	CANADA	7	150	National	David Irving, General Manager
46	↗48	Vic's Crane & Heavy Haul Inc.	USA	5	250	Regional	Josh Horsch, Vice President
47	↗59	Atlas Crane Service Inc.	USA	3	75	National	Zach Prentis, President
48	↗46	Southwest Industrial Rigging	USA	4	150	National	Harry Baker, President
49	↗50	Ideal Crane Rental	USA	6	100	Regional	Robert Kalhagen, President
50	NEW	Allison Crane & Rigging	USA	5	140	National	Larry Allison Jr., President
51	↗51	Reliable Crane Service	USA	3	107	Regional	Darrell Shaw, CEO
52	↗44	Kirby-Smith Machinery	USA	12	520	National	Rickey Bailey, Vice President Crane Division
53	↗49	Edwards Inc.	USA	5	523	Regional	Jamie Ezzell, Crane Division Manager
54	↗52	R.H. Marlin Inc.	USA	1	75	Regional	Joe Fox, Vice President
55	↗53	Thackray Crane Rental	USA	5	135	Regional	Steve Stunder, CEO
56	↗64	G. A. West/Legacy Equipment	USA	5	1,150	National	Gary A. West, President
57	↗56	Blue Hat Crane & Equipment Rental	USA	4	110	National	Mike Palendat, Equipment Operations Director
58	↗55	CraneWorks	USA	3	180	Regional	Rusty Brooks, General Manager
59	NEW	Amherst Crane Rentals	CANADA	6	100	Regional	Chris Welstead, Vice President
60	↗60	Hill Crane Service	USA	2	101	Regional	Ronald Hill, Vice President
61	↗68	Crane Service Company	USA	7	186	Regional	Brian Mazzella, Vice President
62	↗58	Giuffre Bros. Cranes	USA	2	26	Worldwide	Todd Proctor, General Manager
63	↗61	J J Curran Crane	USA	1		Regional	Larry Curran, President
64	↗63	Alamo Crane Services	USA	2	75	Regional	Marvin Ohlenbusch, COO
65	↗62	Budrovich Contracting	USA	3	100	Regional	Eric Struckhoff, Vice President
66	NEW	Phoenix Crane Rental	USA	4	100	Regional	Karen Barton, President
67	NEW	ProLift Rigging	USA	8	151	National	Matthew Brennan, CEO
68	NEW	Sparks Industrial	USA	1	15	National	Jaradda Sparks
69	↗=66	Supor Crane & Rigging	USA	4	175	National	Eddie Shinn, Director
=70	↗65	Padgett*	USA	1	150	Regional	Aaron Pike
=70	↗=66	Connelly Crane Rental Corp.	USA	3	50	Regional	Michael Connelly, President
71	↗69	Wanzek Construction	USA	8	45	National	Rob Lee, Executive Vice President
72	↗54	Erickson's	USA	3	60	National	Steve Erickson, President
73	↗75	McRay Crane & Rigging	USA	1	62	Regional	Calvin Jones, Executive Director
74	↗71	Landwehr Construction	USA	2	231	National	Nathan Landwehr, President
75	NEW	Continental Crane & Equipment	USA	4	30	Regional	Todd Eads, President
76	↗73	A Quick Pick Crane Service	USA	1	35	Regional	Scott Schrade, President
77	↗76	I.B. Dickinson & Sons	USA	3	45	Regional	Donald Dickinson, President
78	↗70	Texas Crane	USA	2	40	Regional	Tony Turner, President
79	↗77	Custom Service Crane	USA	5	48	Regional	Randy Huffman, Vice President
80	↗78	JK Crane	USA	1	15	Regional	Jennifer Gabel, Owner
81	↗79	Anglemyer Crane	USA	1	35	Regional	John Anglemyer, President
82	↗81	Taylor Crane & Rigging	USA	2	94	National	Jim C. Taylor, Jr., President
83	↗80	AME Inc.	USA	4	150	Worldwide	Jeff Campbell, President
84	NEW	CR Holland Crane Service	USA	1	11	Regional	Chris Holland, President

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

Turning data into useful information.

iCraneTrax.

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



WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
digrig.com	86	4	Liebherr LTM 1750-9.1	900	11,382
boss Crane.com	31	17	Liebherr LTM 1750-9.1	900	10,173
crane-works.com	375	5	Grove GMK 7550	550	9,555
irvingequipment.com	56	15	Liebherr LR 1600/2	660	9,457
vicscrane.com	70	5	Demag CC2800 w/superlift wagon	660	9,383
atlascraneserviceinc.com	61	6	Liebherr LTM 1750-9.1	900	9,170
swirusa.com	54	6	Grove GMK 7550	550	9,060
idealcranerental.com	73	12	Liebherr LTM-1450 8.1	550	8,254
allisoncrane.com	44	1	Terex AC 500/1	625	8,195
reliablecraneservice.com	64	7	Grove GMK 7550	550	8,180
kirby-smith.com	130	7	Manitowoc MLC 300	386	8,025
edwardsinc.com	81	3	Demag AC 500-2	600	7,810
rhmarlin.com	75	15	Grove GMK 7550	550	7,750
thackraycrane.com	132	7	Liebherr LTM 1400-7.1	500	7,457
gawest.com	33	20	Manitowoc 16000 w/Maxer	440	6,542
bluehatcrane.com	46	14	Grove GMK 7550	550	6,439
craneworks.com	79	2	Liebherr LTM 1400-7.1	500	6,251
amherstgroup.ca	65	1	Liebherr LTM1400	500	6,118
hillcrane.com	51	1	Liebherr LTM 1400-7.1	500	6,014
craneserviceco.com	34	4	Liebherr LTM 1650-8.1	770	5,991
giuffre.com	192	-	Liebherr LTM 1090/2	110	5,860
jjcurran.com	61	1	Grove GMK 6400	450	5,852
alamocrane.com	40	-	Liebherr LTM 1500-8.1	600	5,837
budrovich.com	55	5	Grove GMK 7550	550	5,732
phoenixcrane.com	59	2	Grove GMK 5250L	300	5,517
proliftrigging.com	35	4	Manitowoc 2250	300	5,043
sparksinc.com	33	7	Manitowoc 2250	300	5,035
jsupor.com	34	1	Liebherr LTM 1500	600	4,903
padgett-inc.com	36	8	Grove GMK 6300L	350	4,601
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
ericksonsgcr.com	14	6	Manitowoc MLC 650	770	3,600
mcraycrane.com	30	1	Liebherr LTM1300-6.2	365	3,518
landwehrconstruction.com	17	5	Demag AC 350/6	400	3,455
cranework.us	18	-	Demag AC500-2	600	3,273
aquickpickcrane.com	29	3	Liebherr 1350 6.1	400	3,231
ibdickinson.com	22	-	Liebherr LTM 1400-7.1	500	3,048
texascrane.com	20	1	Liebherr LTM 1250-6.1	300	2,840
customservicecrane.com	34	-	Grove GMK 5275	275	2,630
jkcrane.com	16	2	Manitowoc GMK 7550	550	2,455
anglemyercrane.com	26	-	Grove GMK 6350	350	2,340
taylorcrane.com	26	2	Liebherr LTM 1220-5.2	265	2,154
ameonline.com	21	-	Grove GMK 7550	550	2,143
crhollandcrane.com	13	1	Liebherr LTM 1400-7.1	500	2,118



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

a1 Software
Your Data, Your Way
www.a1software.net 904-430-0355

RANK 2021	RANK 2020	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
85	74	Omega Morgan	USA	4	325	National	Eric Zander, COO
86	89	Iron Stag Crane Service	USA	1	26	Regional	Ned Eisenhart, President
87	83	Greiner Industries	USA	2	290	Regional	Frank Greiner, Owner
88	84	Industrial Truck & Crane	USA	1	17	Regional	Soni Graff, President
89	85	Benchley Contracting & Rental Corp.	USA	2	16	Regional	Brian Benchley, Vice President
90	86	Mansfield Crane Service Corp.	USA	2	25	Regional	Trapper Wyman, Owner
91	88	JCrane Inc.	USA	1	26	Regional	Jack Stull, President
92	90	PSC Crane & Rigging	USA	3	175	Regional	Randy Sever, Executive Vice President
93	91	Modern Crane & Rigging	USA	1	18	Regional	Dwayne Scaff, President
94	92	Waggoner Equipment Rental	USA	1	34	Regional	Alana Yount, Owner
95	93	Davco Welding Ltd.	CANADA	2	70	Regional	David Faas, President
96	95	Runnion Equipment Company	USA	2	40	Worldwide	Michael F. Prochot, President
97	97	NexGen Crane & Rigging	USA	1	10	Regional	Brent Thompson, Finance Manager
98	NEW	Kinser Crane Service	USA	1	9	Regional	Bryan Kinser, President
99	98	Desrochers Crane Service	USA	1	7	Regional	Robert Desrochers, Director
100	100	Advanced Rigging & Moving	USA	1	30	Regional	Matthew Hinty, President

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

By comparison, the **ACT100** mobile crane total in 2019 was 16,347. There were 15,944 mobile cranes in 2018 and 15,579 units in 2017. Some 142 mobile cranes were added this year, again an impressive number given the challenges this year.

This year's **ACT100** has 103 companies on the list with five companies tied with the same total capacity.

For the 16th time, Maxim Crane Works is Number 1 on the **ACT100** with an **ACT** index of 715,000, up from 704,400 in 2020. As a comparison, Maxim posted 698,535 tons capacity in 2019 and 693,464 tons total capacity in 2018.

Maxim appeared to still be in an acquisition mode, for both new cranes and companies. In 2020, Maxim reported a total crane fleet of 3,365 units as compared to 3,265 units last year. Maxim's fleet size and **ACT** index is far larger than its competitors.

Bigge Crane & Rigging remains at the Number 2 spot with ALL Erection staying at Number 3. Bigge and ALL switched rankings in 2019 and it appears Bigge is growing its fleet at a faster rate than ALL. This year Bigge posted an **ACT** Index of 214,590 with 933 mobile cranes and 330 crawlers. Last year Bigge reported 966 mobile cranes and 268 crawlers and an **ACT** Index of 193,198. The company

concentrated on adding larger capacity crawlers this year.

ALL Erection saw a decrease in fleet size to 2,089 units, down from 2,144 units reported last year. However, with an index of 170,288, ALL did see an increase in capacity from 165,486 in 2020.

The top five rounded out the same as last year with Lampson now at Number 4 and Marmon at Number 5.

Mergers and acquisitions continue to impact the **ACT100**, although the activity wasn't as fervent at it has been in previous years. Biggest gainers this year are W.O. Grubb, Mountain Crane Service, Berry Contracting/Bay Crane, Superior

Cranes, Custom Truck One Source, Boss Crane & Rigging, Irving Equipment, Vic's Crane & Heavy Haul, Atlas Crane Service, GA West/Legacy, Crane Service Company and McRay Crane Service.

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 Davis Crane Companies, which is located in the Dallas metro area.

The largest crawler crane fleet in North America again belongs to Maxim Crane Works with 515 units, up from 505 last year. Maxim also has the largest mobile crane fleet in North America with 2,850 units, up from 2,715 units from 2021.

Top 10 largest mobile fleets

RANK 2021	COMPANY NAME	WEBSITE	MOBILE FLEET	ACT INDEX
1	Maxim Crane Works	maximcrane.com	2,850	715,000
2	ALL Family of Companies	allcrane.com	1,759	170,288
3	Marmon Crane Services Inc.	marmoncranes.com	1,044	120,704
4	Bigge Crane and Rigging Company	bigge.com	933	214,590
5	TNT Crane & Rigging	tntcrane.com	570	82,351
6	Mammoet Americas	mammoet.com	528	99,689
7	Barnhart Crane & Rigging	barnhartcrane.com	522	86,973
8	Scott-Macon Equipment	smequipment.com	451	28,106
9	Custom Truck One Source	customtruck.com	443	18,000
10	Guay Inc.	gruesguay.com	429	38,659



DEDICATED TO THE DESIGN AND FABRICATION OF

➤ BOOM DOLLIES ➤ BOOM LAUNCH TRAILERS

➤ HEAVY HAUL TRAILERS ➤ SPECIALIZED TRAILERS

6448 State Route 224 Ottawa, OH 45875 Email: sales@nelsontrailers.com Tel: 419-523-5321

WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
Omegamorgan.com	11	4	Grove GMK7550	550	2,110
ironstagcrane.com	11	2	Grove GMK 6300L	350	1,905
greinerindustries.com	13	-	Demag AC 500-8	600	1,820
itccrane.com	18	-	Grove GMK 6300L	350	1,699
benchleycrane.com	17	-	Liebherr LTM 1350-6.1	400	1,657
mansfieldcrane.com	9	-	Grove GMK 6350-1	350	1,500
jcrane.com	11	-	Liebherr LTM 1300-6.2	360	1,399
pscind.com	8	-	Liebherr LTM1250	300	1,322
moderncrane.com	12	1	Grove GMK 5275	275	1,288
waggonerequipment.com	26	-	Link Belt RTC 80160	160	1,261
davcoltd.com	15	2	Link-Belt ATC3250	250	1,010
runnionequipment.com	51	-	National NBT 55L	55	835
nexgencrane.com	8	-	Tadano ATF 400G-5	220	600
kinsercrane.com	9	-	Grove GMK 5150L	175	515
desrochersinc.com	5	-	Link-Belt HTC86100	100	254
advanced-rigging.com	12	-	Grove 1012	18	175

The largest crane on the **ACT100** is Mammoet's 5,000-ton capacity PTC 200 DS and Sarens USA's SGC-250, both with 5,000 tons capacity.

Other heavy lift cranes on the **ACT100** are the 3,000-ton capacity Lampson LTL-3000 and Deep South Crane and Rigging VersaCrane TC36000/2.

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 16 years ago, we realize there are probably 10 to 15 major crane-owning companies not represented. Some companies do not want to share

information about their fleets, and we respect their decision.

This year we were 100 percent with 102 companies submitting forms. Due to ties, there is one company on the list with an asterisk and is shown as an estimate. For this 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 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.

Disclaimer

We rely on the integrity of the companies that participate, wholly assuming that the

>56

Top 10 largest cranes

RANK 2021	COMPANY NAME	LARGEST CRANE	CAPACITY
=1	Mammoet Americas	Mammoet PTC 200	5,000
=1	Sarens USA	SGC-250	5,000
=2	Lampson International	Lampson Transi-Lift LTL-3000	3,000
=2	Deep South Crane & Rigging	VersaCrane TC 36000/2	3,000
3	Maxim Crane Works	Manitowoc 31000	2,535
4	Fagioli Inc. (USA)	Liebherr LR 11350 P1800	2,000
5	Buckner HeavyLift Cranes	Liebherr Lr-11350	1,764
=6	Guay Inc.	Liebherr LTM 11200-9.1	1,500
=6	Berry Contracting/Bay Ltd	Liebherr LTM 11200-9.1	1,500
=6	Wanzek Construction	Liebherr LTM 11200-9.1	1,500
=7	Barnhart Crane & Rigging	Demag CC8800	1,375
=7	Superior Cranes Inc.	Demag CC6800-1	1,375
8	NCSG Crane and Heavy Haul	Liebherr LTM 11200-9.1	1,350
9	Northwest Crane Service	Liebherr LR 11000	1,200
=10	Bigge Crane and Rigging Company	Liebherr LR 11000	1,100
=10	Mountain Crane Service	Liebherr LR 11000	1,100



Top 20 largest fleet size

RANK 2021	ACT 100	COMPANY NAME	HQ	ACT INDEX	TOTAL FLEET
1	1	Maxim Crane Works	USA	715,000	3,365
2	3	ALL Family of Companies	USA	170,288	2,089
3	2	Bigge Crane and Rigging Company	USA	214,590	1,041
4	5	Marmon Crane Services Inc.	USA	120,704	1,148
5	7	Mammoet Americas	USA/CANADA	99,689	664
6	9	TNT Crane & Rigging	USA	82,351	625
7	8	Barnhart Crane & Rigging	USA	86,973	574
8	22	Scott-Macon Equipment	USA	28,106	501
9	4	Lampson International	USA	128,233	457
10	28	Custom Truck One Source	USA	18,000	454
11	16	Guay Inc.	CANADA	38,659	449
12	13	Bragg Crane Service	USA	48,424	414
13	43	CraneWorks Inc.	USA	9,555	380
14	11	W.O. Grubb Crane Rental	USA	59,794	365
15	12	Deep South Crane & Rigging	USA	57,525	267
16	10	Beyel Brothers	USA	68,245	252
17	23	Marco Crane & Rigging	USA	25,318	238
18	31	H&E Equipment Services	USA	16,900	223
19	28	Imperial Crane Services	USA	18,000	219
20	14	J.F. Lomma Inc.	USA	46,000	213

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. We will continue to work to make the

ACT Top Lists

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

ACT100 the most comprehensive list of crane-owning companies in North America.

Companies are ranked by their **ACT100** Index, which is calculated by adding together the maximum lifting capacities in U.S. tons of all crawler cranes and mobile cranes in a company's fleet.



NO LIMITS. NO COMPROMISE.

Specialty Consultants Supporting the Crane & Rigging Industry

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



Dearborn®
Companies

708.430.7600
www.DearbornCos.com





ENGINEERED RIGGING

Heavy Lifting Experts



ENGINEERING SOLUTIONS

Our in-house engineers apply their knowledge and decades of expertise to solve complex heavy lifting challenges across industries and around the globe.

DESIGN-BUILD SERVICES

When the equipment needed to complete a unique project does not exist, we design and construct heavy lifting solutions customized to specific requirements.

EQUIPMENT RENTAL & SALES

Jack-Up Systems
Hydraulic Gantries
Strand Jacks

Cube Jacks
Sling Adjusters
Knuckle Boom Cranes

Lifting Towers
Power Slide & Skidding Systems
Rigging Gear



NEW!

JS500 JACK-UP RENTAL SYSTEM



Visit our website to view case studies, explore our fleet and request a quote!

844.474.4448 • EngineeredRigging.com • Info@EngineeredRigging.com

Goldhofer



THE HEAVY TRANSPORT CHAMPIONS

- + Towed modules
- + Self-propelled modules
- + »ADDRIVE« the 3 in 1 solution



Find out more
www.goldhofer.com



MADE FOR YOUR MISSION

ACT's 17th
annual ranking
of North America's
largest specialized
transportation
companies.

Gaining momentum

The 2021 **ACTTRANSPORT50** is growing again after a stark retraction in 2020. Specialized transportation companies in North America appear to have weathered the Covid-19 pandemic storm. While the growth of this sector is not stellar, a gain is a gain, especially after 2020, when every category 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 U.S. tons in 2019. The 2019 **ACTTRANSPORT50** saw declines in several categories, including number of employees, number of terminals and number of Modular/Hydraulic Platform Trailers/Dollies. 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 this year is a different story.

In 2021, the total capacity of the Transport 50 is 1,244,376 U.S. tons. The fleet size of the **ACTTRANSPORT50** this year is a whopping 53,471, showing a gain of 471 units.

Merger and acquisition activity was slower this year than last year, and we had fewer large companies fall off the list. This year, there are only three companies

whose numbers are estimated. Due to ties in fleet size, 56 companies are represented on the 2021 **ACTTRANSPORT50**.

As for our **ACTTRANSPORT50** ranking, Landstar Transportation Logistics kept its long-time Number 1 spot with a fleet size of 14,844. In 2020, Landstar posted a fleet size of 13,763, up from 13,449 in 2019. In 2019, Landstar reported a capacity of 100,675, surpassing the 86,890 tons reported in 2018.

The top five companies on our **ACTTRANSPORT50** stayed the same: >60

TOP 10 ACTTRANSPORT50 BY TOTAL CAPACITY OF FLEET

	2020 RANK	COMPANY NAME	TOTAL CAPACITY US TONS
1	1	Landstar Transportation Logistics	103,725
2	2	Daseke Inc.*	87,148
3	3	Mammoet North America	83,263
4	4	ALL Family of Companies	80,925
5	5	Barnhart Crane & Rigging	67,473
6	6	ATS Specialized	61,825
7	7	Bennett Motor Express	49,955
8	8	Maxim Crane Works	48,249
9	9	J. F. Lomma Inc.	44,350
10	24	Sterrett Heavy Hauling	42,610

	2019	2020	2021
TOTAL FLEET SIZE	53,064	53,000	53,471
TOTAL CAPACITY	1,272,474	1,219,119	1,244,376
NUMBER OF TRUCK/TRACTORS	22,603	23,247	23,953
NUMBER OF EMPLOYEES	28,545	28,831	29,864
NUMBER OF TERMINALS	2,132	1,346	2,312
NUMBER OF MODULAR/ HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET	9,061	8,380	8,135
CAPACITY OF MODULAR/ HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET	450,249 tons	424,612 tons	428,712 tons
NUMBER OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI-AXLE UNITS) IN FLEET	22,657	22,393	22,564
TOTAL CAPACITY OF SPECIALIZED TRAILERS (INCLUDING ALL MULTI-AXLE UNITS) IN FLEET	832,099 tons	778,317 tons	817,018 tons

BY THE NUMBERS

2021 RANK	2020 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	1	Landstar Transportation Logistics	Jacksonville, FL	1,500	International	1,320	Rusty Cody, vice president, heavy specialized
2	2	Daseke Inc.*	Addison, TX	109	International	4,608	Jonathan Shepko, COO
3	3	ATS Specialized	St. Cloud, MN	13	International	1,230	Gary Stang, senior vice president, general manager
4	4	Maxim Crane Works	Bridgeville, PA	61	National	3,500	Bryan Carlisle, CEO
5	5	ALL Family of Companies	Independence, OH	33	International	1,600	Michael L. Liptak, president
6	6	Bennett Motor Express	McDonough, GA	168	International	280	David Lowry, CEO
7	7	Barnhart Crane & Rigging	Memphis, TN	55	National	1,550	Alan Barnhart, CEO
8	8	Combined Transport Inc.	Central Point, OR	1	International	627	Michael S. Card, president
9	9	Deep South Crane & Rigging	Baton Rouge, LA	7	International	700	Mitch Landry, president
10	12	Mammoet North America	Rosharon, TX	21	International	1,500	Martijn Kuipers, managing director
11	14	Bay Ltd.	Corpus Christi, TX	5	International	3,500	Berry Peterson, vice president
12	20	Sterett Heavy Hauling	Owensboro, KY	14	National	55	Tres Sterett, President
13	15	ML Crane Group	Albuquerque, NM	10	National	660	Caroline Asimakopoulos, president
14	10	Transport Bellemare International	Tross-Rivieres, Quebec City, Canada	7	International	680	Jean-Luc Bellemare, president
15	13	Emmert International	Clackamas, OR	3	International	92	Roy Emmert, vice president
16	11	Daily Express	Carlisle, PA	8	International	177	Mark Eyer, vice president, operations
17	17	Fagioli	Manvel, TX	4	International	122	Edoardo Ascione, president
18	18	Tradelossa	Durango, DGO, Mexico	7	International	256	Armando Esquivel, commercial manager
19	19	Edwards Moving & Rigging	Shelbyville, KY	6	International	121	Jason Edwards, CEO
20	19	Bragg Heavy Transport	Long Beach, CA	15	National	250	Eric Peterson, General Manager
21	16	Bigge Crane & Rigging	San Leandro, CA	21	National	1,050	Weston Settlemier, president/CEO
22	25	Northwest Logistics	Oklahoma City, OK	9	International	237	Andy Hodges, president
23	21	DD&S Express	Annapolis, MD	60	International	20	Rick Seleski, vice president
24	22	J Supor Heavy Haul	Kearny, NJ	5	International	203	Doug Filos, director, heavy haul
25	23	Lampson International	Kennewick, WA	8	International	300	William Lampson, president/CEO
26	26	NessCampbell Crane + Rigging	Portland, OR	6	National	300	Mike McDonald, vice president
27	24	Miller Transfer	Rootstown, OH	18	International	85	Mitchell J. Unger, president
=28	27	Mountain Crane Service	Salt Lake City, UT	1	National	63	Paul Belcher, CEO
=28	28	Totran Transportation Services	Calgary, Alberta Canada	2	International	130	Scott Trousedale, vice president
29	39	Beyel Brothers	Cocoa, FL	8	Regional	383	Joseph Beyel, president
30	30	Berard Transportation	New Iberia, LA	5	National	75	Brett Berard, vice president, operations
31	31	Southwest Industrial Rigging	Phoenix, AZ	5	International	110	Harry Baker, president

* ACT estimate

TRAIL KING



@trailkingind 800-843-3324 | trailking.com

WEBSITE	MODULAR/ HYDRAULIC TRAILERS /DOLLIES		SPECIALIZED TRAILERS (ALL MULTI-AXLE)		# OF TRUCK/TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
	CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
www.landstar.com	2,150	31	101,575	3,067	11,746	103,725	14,844
www.daseke.com	7,052	178	80,096	3,787	4,543	87,148	8,508
www.atsinc.com	1,785	21	60,040	1,862	951	61,825	2,834
maximcrane.com	7,640	312	40,609	1,836	600	48,249	2,748
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	40,692	763	382	67,473	1,259
www.combinedtransport.com	1,305	385	5,150	281	562	6,455	1,228
www.deepsouthcrane.com	15,508	372	19,740	496	70	35,248	938
www.mammoet.com	72,987	479	10,276	320	42	83,263	841
www.bayltd.com	19,160	438	5,350	233	160	24,510	831
www.steretheavyhauling.com	26,930	343	15,680	394	86	42,610	823
www.mlcragroup.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	10,150	120	91	39,672	798
www.dailyexp.com	1,065	14	18,915	438	285	19,980	723
www.fagioli.com	27,548	624	0	0	0	27,548	624
www.tradelossa.com	11,530	258	8,716	182	153	20,246	593
www.edwardsmoving.com	18,228	329	9,664	179	60	27,892	568
www.braggcompanies.com	7,420	142	14,300	282	110	21,720	534
www.bigge.com	5,364	79	15,983	343	110	21,347	532
www.northwestcompanies.com	2,472	65	10,465	284	190	12,937	530
www.ddsexpress.com	1,495	34	11,399	269	196	12,894	499
www.jsupor.com	11,194	248	7,908	149	73	19,102	470
www.lampsoncrane.com	14,006	372	2,032	64	30	16,038	466
www.nesscampbell.com	940	32	11,241	360	73	12,181	433
www.millertransfer.com	0	0	13,485	310	105	13,485	415
www.mountaincrane.com	7,526	110	4,922	200	57	7,531	367
www.totran.ca	12,346	590	9,660	222	85	22,006	367
www.beyel.com	5,735	164	6,385	127	73	12,120	364
www.berardtrans.com	11,624	244	2,236	49	39	13,668	332
www.swirusa1.com	3,275	86	6,372	156	92	9,647	267

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

WE TURN IMPOSSIBLE HAULS INTO POSSIBLE HAULS



2021 RANK	2020 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
32	32	NCSG Crane & Heavy Haul	Acheson, Alberta, Canada	9	National	400	Heather MacCallum, president
33	33	Vic's Crane & Heavy Haul	Rosemount, MN	5	National	250	Josh Horsch, vice president
=34	35	J. F. Lomma Inc.	South Kearny, NJ		National	163	Frank Signorelli, COO
=34	34	MSA Delivery Services	Canton, MI	3	International	65	Jerry Rozum, president
35	38	Omega Morgan	Hillsboro, OR	5	International	450	Erik Zander, COO
36	35	Trans-United	Burns Harbor, IN	7	International	77	Jeffrey S. Fleming, president/CEO
37	37	Triton Transport	Chilliwack, BC, Canada	3	National	82	Jared Bragg, vice president/ general manager
38	36	ProLift Rigging	Germantown, TN	8	National	185	Matthew Brennan, CEO
=39	40	Intermountain Rigging	Salt Lake City, UT	2	National	90	Ron Montgomery, president
=39	39	Boss Crane & Rigging	Longview, TX	3	National	150	David Cowley, president
40	42	Precision Heavy Haul	Tolleson, AZ	2	National	24	Mike Poppe, president
=41	41	Sarens USA*	Houston, TX	5	International	200	Steven Sarens, senior vice president
=41	43	Yarbrough Transfer Company	Winston-Salem, NC	3	Regional	70	David Yarbrough, president
42	40	Silk Road Specialized	Arkport, NY	1	International	25	Todd Haraty, COO
43	46	Buckingham Heavy Transport	Bernville, PA	3	Regional	45	Mike Brovont, sales manager
44	NEW	Lindamood Heavy Hauling	Irving, TX	1	International	40	Taylor Brewerton, VP business development
45	44	Global Specialized Services	Casper, WY	2	International	75	Jim Orr, president
46	44	Taylor Crane & Rigging	Coffeyville, KS	2	National	105	Jim C. Taylor Jr., president
47	45	Marco Transport	Santa Ana, CA	2	Regional	40	Tim McVay, president
=48	48	Advanced Freight Dynamics	Conroe, TX	1	National	17	Steven Lyons, owner
=48	47	Specialized Inc.*	Aurora, OH	1	Regional	18	Al Kuhl, president
=49	49	Irving Equipment Ltd.	Saint John, NB, Canada	6	International	100	David Irving, general manager
=49	50	Perkins STC	Becker, MN	2	International	9	Barb Potter, owner
50	NEW	TNT Crane & Rigging	Houston, TX	41	National	1,400	Mike Appling Jr., CEO

Landstar, Daseke, ATS Specialized, Maxim Crane Works and ALL Family of Companies. In fact, the top nine companies on the list are the same as last year. The 10th spot in 2021 is Mammoet North America, which was 12th in 2020.

The most notable change on the **ACTTRANSPORT50** this year was Bigge Crane & Rigging dropping from 16 to 21. Last year Bigge dropped from 9 to 16. The retraction in Bigge's fleet was because the company has been strategically selling off its transportation

fleet to concentrate its business in the lifting and rigging realm of the industry.

Only two new companies joined the **ACTTRANSPORT50** this year: Lindamood at number 44 and TNT Crane & Rigging at number 50.

The **ACTTRANSPORT50** employs almost 30,000 workers, 29,864 to be exact in 2021, up from 28,831 workers in 2020. At long last, employee counts have exceeded the all-time high of 29,195 employees that we reported in 2018.

The most substantial category to fall in 2020 was the number of terminals, which went down from 2,132 in 2019 to 1,346 in 2020. We are happy to report that companies are reopening locations that they closed in 2020. In 2021, the **ACTTRANSPORT50** reported 2,312 depots, an increase of some 986 locations in North America.

Methodology

While most of the major players in the North American transportation sector



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	CAPACITY US TONS	TOTAL # IN FLEET
	CAPACITY (US TONS)	# IN FLEET	CAPACITY (US TONS)	# IN FLEET			
www.ncsg.com	17,828	374	2,200	38	84	23,428	262
www.vicscrane.com	3,114	79	3,185	106	51	6,299	236
www.jflomma.com	0	0	44,350	170	41	44,350	210
www.msadelivery.com	0	0	4,980	180	30	4,980	210
www.omegamorgan.com	2,300	54	4,255	80	65	6,555	199
www.transunited.com	1,980	110	8,890	110	86	10,870	196
www.tritontransport.com	270	3	5,855	142	45	6,125	190
www.proliftrigging.com	730	6	2,840	69	109	3,350	185
www.intermountainrigging.com	1,425	37	4,100	58	46	5,525	141
www.bosscrane.com	90	9	1,350	132	0	1,440	141
www.precisionheavyhaul.com	580	20	5,725	103	16	6,305	138
www.sarens.com	21,110	106	1,654	18	10	22,764	134
www.goytc.com	0	0	3,581	87	47	3,581	134
www.silkroadtrans.com	800	32	1,980	80	15	2,780	127
www.buckinghamtransport.com	3,963	96	4,158	32	15	8,121	114
www.lindamood.net	1,280	29	3,130	47	30	4,410	106
www.gsswy.com	1,000	8	2,950	48	40	3,950	96
www.taylorcrane.com	2,045	13	2,020	43	31	4,065	87
www.marcotrucking.com	0	0	3,441	49	30	3,441	79
www.afd-web.com	345	4	1,390	27	13	2,310	50
www.specialized-inc.com	0	0	2,120	38	12	2,120	50
www.irvingequipment.com	2,676	10	638	14	13	3,314	37
www.perkinsstc.com	0	0	3,522	22	17	3,522	37
www.tntcrane.com	868	6	0	0	0	868	6

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

are on our **ACTTRANSPORT50** list, there are changes from year to year based on participation and companies that choose not to participate. 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). We have tried repeatedly to get the list to 100 firms, as we are sure there are 100 specialized transportation firms in North America.

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 400 firms by email, telephone, social media and E-casts. In some cases, when data wasn't available or updated, we marked these listings 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.

If you think your company should be on this list, we invite you to participate in the 2022 **ACTTRANSPORT50**. To request a 2022 survey form, please reach out to D. Ann Shiffler or Hannah Sundermeyer at d.ann.shiffler@khl.com or Hannah.sundermeyer@khl.com. ■





SAVE THE DATES




INTERNATIONAL CRANES & TRANSPORT MIDDLE EAST CONFERENCE

The essential learning and networking event for anyone working in the region's crane and specialized transport sector. A wide range of equipment and markets will be under the spot light.

**MARCH
22&23
2022**

SWISSHOTEL AL- MUROOJ,
DUBAI, UAE

Find out more

www.khl-catme.com



TOWER CRANES NORTH AMERICA CONFERENCE & RECEPTION

TCNA will bring the North American tower crane industry together to network and discuss important topics including safety, product innovation, productivity and site planning.

**JUNE
20&21
2022**

MARRIOTT BISCAYNE BAY,
MIAMI, USA

Find out more

www.khl-tcna.com

BREAK SPONSOR

HITACHI

Reliable solutions

SUPPORTING SPONSORS

LIEBHERR

Modulift®

CREATED AND ORGANIZED BY

INTERNATIONAL
CRANES
AND SPECIALIZED TRANSPORT

AMERICAN CRANES & TRANSPORT
ACT

khl

FOR SPONSORSHIP CONTACT

MATT BURK

Tel: +1 (312) 496 3314

e-mail: matt.burk@khl.com

MIKE POSENER

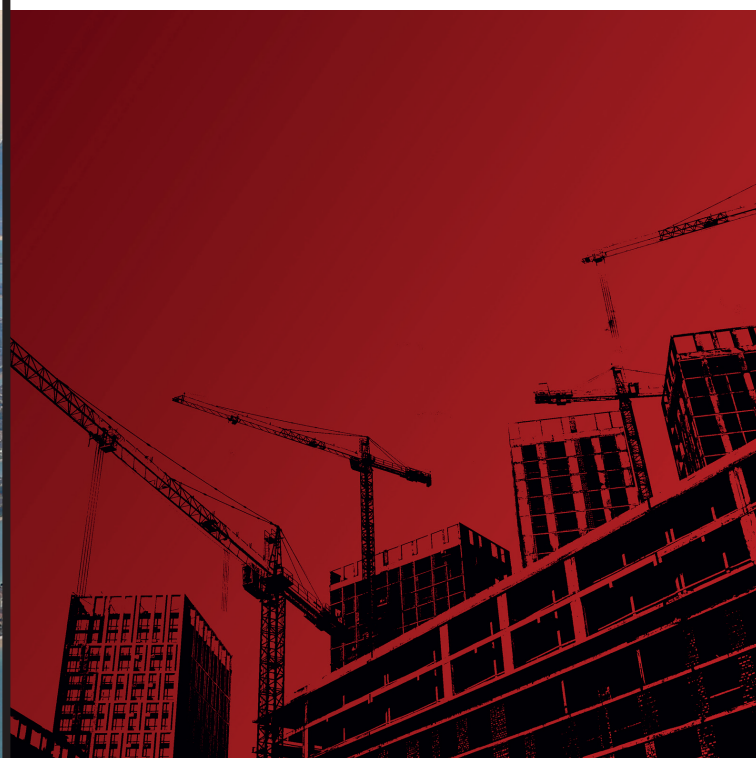
Tel: +353 860 43 1219

e-mail: mike.posener@khl.com

BEV O'DELL

Tel: +1 816 886 1858

e-mail: bev.odell@khl.com



SPECIALIZED LIFTING 50

As the industry adjusts to the Covid-landscape, the **ACT SPECIALIZED LIFTING 50** has evolved right alongside it. **Hannah Sundermeyer** reports.

BY THE NUMBERS

- The companies represented in the **SPECIALIZED LIFTING 50** employ **13,388** people.
- **533** gantries and rubber-tired gantries are owned by these companies, compared to 542 in 2020.
- **1,310** strand jack units are owned by the **SPECIALIZED LIFTING 50**, as compared to 900 in 2020.
- **5,479** pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these companies as compared to 5,143 in 2020.
- The total capacity of every unit owned by every company on the list equals **1,432,859** tons. The total last year was 1,391,662 tons.



Overcome and adapt

By now it's safe to say *ACT* readers have seen countless headlines, articles, tweets, and posts about Covid-19, and the evolution of the world as we once knew it. Unfortunately, the specialized lifting industry has not escaped the ongoing challenges as a result of a global pandemic. Yet, as evident in the data and graphs below, the industry has

somehow remained resilient and managed to flourish in certain areas.

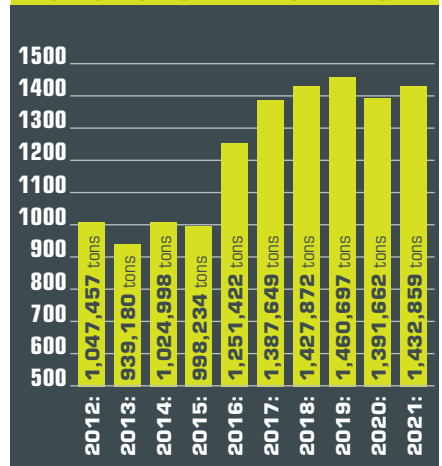
While employee numbers saw a noticeable drop, the number of gantries, strand jack units and other specialized lifting equipment continues to grow. Let's get into the specifics: 533 gantries and rubber tired gantries are owned by the companies on our toplist; 1,310 strand jack units are owned by

>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	Synchronized Lifting System	12,000	26,700
5	Omega Morgan	Heavy Slide System	6,000	8,500
6	Barnhart Crane & Rigging	Barnhart Modular Lift Tower	6,000	301,181
7	Mammoet North America	Mammoet Lift System	5,732	372,800
8	Berard Transportation	Enerpac Syncrolift	4,000	12,600
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 2021



2021	2020	NAME OF COMPANY	LOCATION	# OF DEPOTS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	1	Mammoet Americas	USA	29	Worldwide	2,000	Martijn Kuipers, managing director
2	2	Barnhart Crane & Rigging	USA	55	National	1,550	Alan Barnhart, CEO
3	3	Fagioli, Inc.	USA	4	Worldwide	142	Edoardo Ascione, president & CEO
4	4	Emmert International	USA	3	Worldwide	110	Terry W. Emmert, president
5	5	Edwards Moving & Rigging	USA	9	Worldwide	135	Jason Edwards, CEO
6	NEW	Bay Ltd.	USA	3	Worldwide	-	Berry Peterson, vice president
7	6	Deep South Crane & Rigging	USA	8	Worldwide	750	Mitch Landry, president
8	8	Buckingham Heavy Transport (A division of Wolfe House Movers)	USA	5	National	45	Mike Brovont, senior sales manager
9	14	Bellemare Heavy Haul and Rigging	CANADA	6	Worldwide	30	Jean-Luc Bellemare, president
10	7	Doral Equipment	USA	1	National	25	Rob Keelan, vice president
11	9	Lampson International	USA	8	Worldwide	300	William Lampson, president & CEO
12	10	Rigging Gear Sales, Inc.	USA	1	Worldwide	15	Ben Forster, vice president
13	13	Berard Transportation	USA	5	National	70	Brett Berard, vice president, operations
14	11	Taylor Crane & Rigging	USA	2	National	101	Jim C. Taylor, Jr., founder
15	15	Global Rigging & Transport	USA	1	Worldwide	30	Andrew Johnson, operations manager
16	12	Erickson's	USA	3	National	60	Steve Erickson, president
17	19	IRM Industry Movers	MEXICO	2	Worldwide	95	David Gonzalez, president/CEO
18	16	International Industrial Contracting Corporation	USA	4	Worldwide	300	Ken Goddard, vice president
19	27	Engineered Rigging	USA	4	Worldwide	15	Christopher Cox, president
20	17	Omega Morgan	USA	5	Worldwide	350	Erik Zander, COO
21	18	Riggers Group	MEXICO	3	Worldwide	60	Hector R. Torres, Da Vila, vice president
22	22	PSC Crane & Rigging	USA	3	National	175	Randy Sever, executive vice president
23	20	TNT Crane & Rigging	USA	41	National	1,400	Mike Appling Jr., CEO
24	21	Norris Brothers Co.	USA	1	Regional	50	M. Courtney Norris, P.E.
25	23	Maxim Crane Works	USA	61	National	3,615	Frank Bardonaro, COO
26	24	Advanced Rigging & Machinery Movers	USA	1	Regional	30	Matthew Hinty, president
27	26	Duffy Crane & Hauling	USA	0	National	120	Jeffrey L. Cummings, president
28	29	Mid-Atlantic Lift Systems	USA	1	Worldwide	3	Travis Hall, president
29	NEW	Pro Lift Rigging	USA	8	National	175	Matthew Brennan, president
30	30	Williams Steel Erection Company	USA	1	Regional	100	Mike Parker, operations manager/rigging
31	31	Process Group Inc.*	CANADA	3	Canada	275	Bryan Snyder, vice president
32	32	CSE Inc.	USA	5	National	225	Chris Stinnette, executive vice president
33	34	Intermountain Rigging & Heavy Haul	USA	2	National	95	Ron Montgomery, president
34	33	CR Holland Crane Service	USA	1	Regional	12	Chris Holland, president
35	36	Southwest Industrial Rigging*	USA	4	National	150	Harry Baker, president
36	39	AME Inc.*	USA	4	Worldwide	158	Scott Walken, director of preconstruction
37	38	Crane Service Inc.*	USA	14	National	587	Scott Wilson, president MLHCCG

* 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	800	37	Barnhart Modular Lift Tower	6,000	301,181
www.fagioli.com	0	20	146	596	Fagioli Self-Propelled Skid System	70,000	288,000
www.emmertintl.com	1	4	1,055	4	Emmert Lift System	3,250	82,350
www.edwardsmoving.com	0	16	564	4	Hydrospeex Strand Jack System	800	61,557
www.bayltd.com	0	2	3	14	Dorman Long Strand Synchronized Lift System	15,400	47,250
www.deepsouthcrane.com	1	8	107	13	Deep South Specialized Jack System	16,000	50,900
www.buckinghamtransport.com	0	0	12	0	Unified Hydraulic Jack Machine	12,000	26,700
www.groupebellemare.com	3	6	553	0	Hydra Slide HT500	1,000	19,000
www.doralequipmentrental.com	0	3	64	0	Riggers EZ Lifter 604	600	15,970
www.lampsoncrane.com	0	4	8	0	E-Z Lift	2,400	13,500
www.rgsinc.net	0	102	190	0	Lift Systems HH1000	1,000	12,902
www.berandtrans.com	0	0	8	0	Enerpac Syncrolift	4,000	12,600
www.taylorcrane.com	1	10	210	0	Enerpac EVO Sync Lift System	2,400	11,103
www.globalrigging.com	0	0	15	16	CTTS	2,000	10,000
www.ericksonsgcr.com	0	4	15	0	Enerpac SBL 1100	1,180	5,000
www.irmindustrial.com	0	3	147	0	J&R Engineering Lift N Lock Gantry	500	9,750
www.iicusa.com	0	36	525	0	Riggers Manufacturing EZ604	600	9,660
www.EngineeredRigging.com	0	3	12	8	Enerpac SBL 1100	1,200	9,520
www.omegamorgan.com	0	7	22	0	Heavy Slide System	6,000	8,500
www.riggers.mx	0	4	47	49	J&R Engineering Lift N Lock Gantry L1200	600	7,860
www.pscind.com	0	3	163	0	Hydra-Slide JS250 Up N Go	1,000	7,615
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.maximcrane.com	0	12	124	4	Lift Systems, Model 48A	800	5,850
www.advanced-rigging.com	1	11	145	0	Hydratech FS 404 270	400	5,769
www.duffycrane.com	0	6	40	11		600	5,000
www.midatlanticlift.com	0	42	0	0	Lift Systems 34PT5400WT	500	3,258
www.prolifrigging.com	0	3	42	0	Lift Systems 44A Gantry	400	2,262
www.wmsi.com	27	31	8	0		330	2,140
www.processgroup.ca	0	6	6	0	Lifting Tower	1,000	2,130
www.cseonline.net	0	1	6	0	J&R Engineering Lift & Lock Gantry	900	2,000
www.irhusa.com	0	12	25	4	J&R 900 Series	450	2,000
www.crhollandcrane.com	0	7	0	0	Airfloat AF01030-6	58	1,990
www.swirusa.com	0	4	7	0	Lift Systems 850	850	1,332
www.ameonline.com	0	3	5	0	Lift Systems Twin-Lift	75	755
	0	3	12	0	Enerpac SBL-500	500	760

the **SPECIALIZED LIFTING 50**, as compared to 900 in 2020. Some 5,479 pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these

ACT began distributing survey forms for the **SPECIALIZED LIFTING 50** list via email in January 2021 and followed up with phone calls and more emails in February. The companies that completed and returned these surveys over the course of the last two months were included in this year's list.

For some companies we were forced to use their data from our 2020 list. 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.

2022

To be a part of our 2022 **SPECIALIZED LIFTING 50**, email Editor D. Ann Shiffler, to request a survey form. She can be reached at d.ann.shiffler@khl.com. Or you may email Assistant Editor Hannah Sundermeyer at hannah.sundermeyer@khl.com.

companies as compared to 5,142 in 2020. As far as employment goes, participating companies have seen a decrease of 1,196 employees compared to last year's 14,584 people.

As the world adapts how we complete projects and interact safely, many companies featured on this list have still managed to grow their fleets despite new workplace conditions and the instability of projects. With infrastructure improvements on the horizon and a boom in the construction industry expected, specialized lifting fleets must be prepared and fully equipped to handle any job that comes down the pipeline. The 2021 data is evidence of that.

Solid increase

The **SPECIALIZED LIFTING 50** posted an index of 1,432,859 tons,

increasing 41,197 tons over the 2020 index. Despite the absence of a couple of longtime industry members, companies have still managed to expand their fleets through bare rentals and sales. As Covid restrictions begin to lift, these numbers can only expect to increase as many construction sectors recover.

2021 has been an incredibly fluid year when it comes to the rankings of our participating companies. Despite the drop off of several previous participants and the closure of a handful of businesses, there was still measurable expansion. Most notably, Bellemare Heavy Haul and Rigging as well as Buckingham Heavy Transport (a division of Wolfe House Movers) both secured spots in our top 10 this year. This year, the list also features two newcomers, Bay Ltd. and Pro Lift Rigging. ■

Top 10: NUMBER OF GANTRIES

		TOTAL NUMBER OF GANTRIES	SPECIALIZED LIFTING INDEX (U.S. TONS)
RANK	NAME OF COMPANY		
1	Rigging Gear Sales	102	12,902
2	Barnhart Crane & Rigging	91	301,181
3	Mid-Atlantic Lift Systems	42	3,258
4	International Industrial Contracting Corporation	36	9,660
5	Williams Steel Erection Company	31	2,140
6	Mammoet North America	20	372,800
7	Fagioli USA	20	288,000
8	Edwards Moving & Rigging	16	60,957
9	Maxim Crane Works	12	5,750
10	Intermountain Rigging & Heavy Haul	12	2,000

ORANGE CRANES with a GREEN HEART

Electric lifting up to 40 m

DISCOVER
IT ONLINE



www.jekko-cranes.com
@jekkokranes



MINICRANES | MINI PICKERS
ARTICULATED CRAWLER CRANES | VACUUM & TOOLS



be profitable. be influential. be seen.
belong to SC&RA

join today

www.scranet.org/join

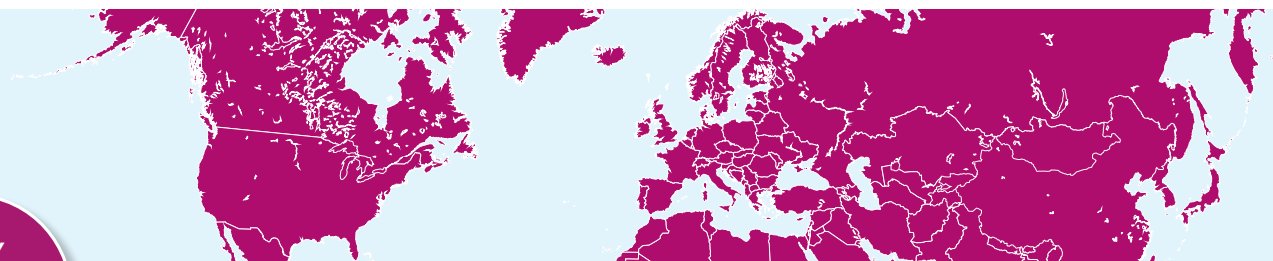


**Specialized Carriers &
Rigging Association**

OUR MEMBERS **LIFT & MOVE** THE WORLD

SPECIAL REPORT

THE GLOBAL MOBILE CRANE FLEETS



**BUY
NOW
ONLINE**

APPLICATIONS

- Plan your strategy based on detailed analysis of fleets, crane sales and broad economic indicators
- Crane manufacturers – understand your biggest customers and how they build their fleets
- Crane rental companies – benchmark your operation against regional and global competitors
- Identify acquisition targets

WHAT DOES IT OFFER?

- Detailed, multi-year analysis of the world's largest crane-owning companies, based on the IC50 league table
- Assessment of fleets by crane type and lifting capability along with footprint & staffing levels of crane owners
- Explores the links between crane sales, manufacturer revenues and fleet growth

**INTERNATIONAL
CRANES**
AND SPECIALIZED TRANSPORT

**Off-Highway
RESEARCH**

www.offhighway-store.com



**AN EXTENSIVE RANGE
OF TOWER CRANES,
SUITABLE FOR ALL
TYPES OF
CONSTRUCTION
PROJECTS**

OVER 50 YEARS
of experience designing,
manufacturing, supplying
and offering support
services for tower cranes for
construction.

+20,000 CRANES
manufactured by COMANSA

**COMMITTED
TO LIFTING
EVOLUTION**

NORTH AMERICA

HEADQUARTERS
Charlotte (NC) - USA
+1 800 589 7980
sales@lccranes.com

NORTH WEST
Seattle (WA)
TEXAS
Dallas (TX)

INTERNATIONAL HQ

SPAIN
Huarte
+34 948 33 50 20
sales@comansa.com

COMANSA.COM



ACT's annual

ACTTOWERCRANE50

survey sees modest growth as construction projects regain momentum amid a market recovery.

BY NUMBERS

TOWER CRANES
2,260

BRANCHES
251

EMPLOYEES
9,282

Revival and recovery

As the demand for construction projects is springing back to life, tower crane companies have learned how to economize their

fleets while simultaneously managing the effects of a global pandemic. Unit numbers are slightly up in 2021, and the number of employees has increased by 277 personnel which supports the mentality of infrastructure and construction resurgence.

While Covid-19 challenges are certainly not a thing of the past, the North American tower crane market has begun to adapt to the continually changing landscape. On the flip side, tower crane companies must also begin to consider the demand surge once the market returns to its pre-pandemic tenacity. While it is still unsure whether it will be a slow burn or a rapid increase, companies must consider the possibility. Will we see this in next year's list?

Ranking analysis

American Crane & Transport's **ACTTOWERCRANE50** top list includes fleet information from tower crane companies across the United States, Canada and Mexico. While continuing to try and grow the list to include 50 tower crane owning companies, the 2021 TC 50 welcomed the addition of eight new businesses. The list has grown slightly from 2,191 units in 2020, to

Largest tower cranes (by capacity)

2021 RANK	COMPANY	LARGEST TOWER CRANE	CAPACITY (MT)
1	Leavitt Cranes	Kroll K1650L	135
2	*J.F. Lomma Inc.	Favco M1280	100
3	Reliable Crane Service	Wolf 1250B	66
4	Morrow Equipment	Liebherr 710 HC-L 32/64	64
5	Maxim Crane Works	Wolf 1250B	60
6	Wolffkran	Wolff 1250B	60
7	*U.S. Crane & Rigging	Favco M440D	55
8	Stafford Crane Group	Potain MD1400	50
9	Bigge Crane & Rigging	Comedil CTT 721-40B	40
10	*Allied Crane	Jaso J380PA	36
=11	ALL Family of Companies (ALL Erection & Crane Rental)	Potain MD 610	32
=11	P&J Arcomet	Zoomlion T600	32
=11	RMS Cranes	Potain MR608	32
=11	Oxford Builders Supplies	Terex Comedil CTL630	32
=11	Skycrane Limited	Sun STT-753	32
=11	B&G Equipment and Supply	Terex Peiner SK415	32
=11	United Crane & Rigging	Terex Peiner SK575	32
=11	Skycrane	Sun STT-753	32

2021 ACTTOWERCRANE50

2021 RANK	2020 RANK	COMPANY	COUNTRY	NO. OF DEPOTS	NO. OF EMPLOYEES	SCOPE OF OPERATION
1	1	Morrow Equipment Co., LLC	USA	20	284	Worldwide
2	2	Maxim Crane Works, L.P.	USA	61	3,700	National
3	3	Bigge Crane and Rigging Co.	USA	24	1,025	National
4	4	P&J Arcomet	USA	4	65	Worldwide
5	5	ALL Family of Companies (ALL Erection & Crane Rental)	USA/Canada	33	1,500	National
6	6	Stafford Crane Group	USA/Mexico	10	150	Worldwide
7	7	Leavitt Cranes	USA/Canada	4	50	Worldwide
8	8	Creative Lifting Services	USA	1	25	Worldwide
9	9	RMS Cranes	USA	5	420	Regional
10	NEW	Lewis Crane and Hoist	USA	2	75	National
11	11	Oxford Builders Supplies Inc.	Canada	4	105	Regional/National
12	10	*U.S. Crane & Rigging, LLC	USA	2	500	National
13	12	Compass Equipment	USA	4	80	National
14	13	Concrane Equipment Inc.	Canada	1	9	Regional
15	14	Bigfoot Crane Company	Canada	1	32	National
16	15	Blue Hat Crane	USA	6	65	National
17	16	SkyCrane Limited	Canada	2	14	Worldwide
18	17	*J.F. Lomma	USA	7	180	Worldwide
19	NEW	Reliable Crane Service	USA	3	107	Regional
20	NEW	Bronson Crane	USA	1	6	Regional
21	19	B&G Equipment and Supply	USA	6	15	National
22	NEW	Rapicon Inc.	Canada	2	10	National
23	21	Guay Inc.	Canada	20	500	National
24	NEW	Roycap Machinery	Canada	1	6	Regional
25	22	*Allied Crane	Canada	1	12	National
26	NEW	United Crane and Rigging (An ML Holdings Company)	USA	1	50	Regional
27	23	Ideal Crane Rental Inc.	USA	6	100	Regional
28	NEW	North American Crane & Rigging	USA	5	70	National
29	24	Custom Service Crane	USA	5	50	Regional
30	20	Wolffkran Inc.	USA	2	9	National
31	25	Crane Tech Solutions	USA	2	25	Regional
32	18	Rocky Mountain Crane	USA	1	5	Regional
33	26	Connelly Crane Rental	USA	3	49	National
34	NEW	Select Crane Sales	USA	2	9	Worldwide

* ACT estimate

2,260 in 2021, a net gain of 69 units. The **ACTTOWERCRANE50** features 34 companies with 251 branches and 9,282 employees. Last year's list featured 26 companies with 236 branches and 9,014 employees.

It is also important to note that the **ACTTOWERCRANE50** list continues to be affected by mergers and acquisitions, just like our **ACT100** list of top crane-owning companies.

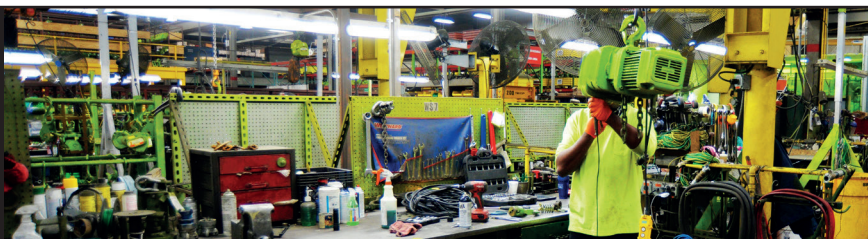
Morrow Equipment maintains the

coveted Number 1 spot in our rankings. The company saw a slight decrease from last year's 571 tower cranes to this year's 566 units. Morrow owns 141 more tower cranes than the Number 2 firm, Maxim Crane Works.

At Number 2, Maxim Crane Works has 425 tower cranes in its fleet, clocking in with the same number of machines as this time last year. The company also has the same number of depots 61, and the same number of employees. Maxim is one of

the leading North American companies capitalizing on the benefits of acquisitions across the nation.

The Number 3 company on the list still belongs to Bigge Crane & Rigging despite showing a fall in units, recording 135 tower cranes versus 215 in 2020. P&J Arcomet has continued to maintain their Number 4 spot with the same number of tower cranes as the previous year at 116 machines. With 116 tower cranes in its fleet, an increase of 9 units. Rounding



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	566
Bryan Carlisle, CEO	www.maximcrane.com	Wolff 1250B	60	425
Weston Settlemier, President & CEO	www.bigge.com	Terex Comedil CTT 721-40B	40	135
Brian Rolston, President	www.pjarcoment.com	Zoomlion T600	32	116
Michael L. Liptak, President	www.allcrane.com	Potain MD 610	32	96
Patrick N Stafford, President	www.staffordcranegroup.com	Potain MD1400	50	77
Erick Zampini, General Manager	www.leavittcranes.com	Kroll K1650	135	77
Kelly Webb, President	www.creativelifting.com	Saez TLS-65	10	63
Dennis Lebsack, Director of Business Development/Tower Cranes	www.rmsscraes.com	Potain MR608	32	57
Nick Lewis, General Manager	www.lewiscraneandhoist.com	Moritsch RTT 520	24	50
Mike Demelo, VP Equipment	www.oxfordbuilders.ca	Terex Comedil CTL630	32	50
Thomas Auringer, Owner	www.uscraneriggingllc.com	Favco M440D	55	49
Kelly Hadland, CEO	www.compassequipment.com	Potain MD569	23	43
Ricky Redigonda, President	www.concrane.ca	ENG Cranes ETL253	20	41
Ryan Burton, Managing Director	www.bigfootcrane.com	Potain MDT-219/J10	10	41
Henry Volante, Equipment Operations Director	www.bluehatcrane.com	Linden Comansa 21LC550	20	38
Jim Howard, President	www.towercranes.net	Sun STT-753	32	34
Frank Signorelli, Chief Operating Officer	www.jflommainc.com	M1280 Favco Tower Crane	100	34
Darrell Shaw, CEO	www.reliablecraneservice.com	Wolffkran 1250B	66	31
Earl Bronson, Founder	www.bronsoncrane.com	Potain T-130	8	30
JR Moran, Director of Crane Operations	www.bgequipmentsupply.com	Terex Peiner-SK575	32	28
Red Emond, President	www.rapicon.ca	Potain MR-605	32	25
Jean-Marc Baronet, President	www.gruesguay.com	Terex Peiner SK415	20	24
Charlie Collura, General Manager	www.capitalcranecorp.com	Terex CTT 331-16	16	23
Derek Kasa, CEO	www.alliedcraneltd.ca	Jaso J380PA	36	23
Gary Hileman, Manager, Tower Cranes and Hoists	www.unitedcraneandrigging.com	Terex Peiner SK575	32	28
Robert Kalhagen, President	www.idealcranerental.com	Liebherr 125K	8	16
Louis Izzo, CEO	www.nacranes.com	Potain MD559	20	14
Randy Huffman, Vice President	www.customservicecrane.com	Wolff 8033.20	20	14
Michael Hergert, Vice President	www.wolffkran.com	Wolff 1250 B	60	12
Robert Kohler, Vice President	www.cranetechsolutions.com	JASO J560	24	10
Dusty Bitton, Owner	www.rockymtncranes.com	Potain MDT 219	10	9
Michael Connelly, President	www.connellycrane.com	Terex Peiner SK 415	20	6
Jason Mackenzie, President	www.selectcrane.com	Wolff 1250 B	60	3

out the top 5 companies is ALL Family of Companies with 96 tower cranes, down one unit from last year but still maintaining their Number 5 spot.

2021 newcomers

First time participant Lewis Crane and Hoist broke the top 10 ranking with 50 tower cranes in their fleet. Reliable Crane Service has 31 tower cranes in its fleet and boasts a lifting capacity of 66 metric tons with a Wolffkran 1205B. Just below

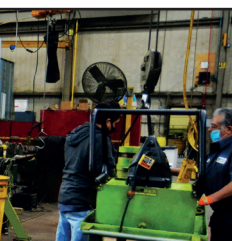
Disclaimer

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 2022 survey, please email D. Ann Shiffer at d.ann.shiffer@khl.com or Hannah Sundermeyer at hannah.sundermeyer@khl.com.

is Bronson Crane with 30. Ontario-based Capital Crane Corp. partnered with Royal Equipment and VZ Control Systems to create rental company Roypac Machinery.

with 23. Finally, North American Crane & Rigging and United Crane and Rigging clock in at 14 and 28 units respectively. Select Crane is new with 3 tower cranes. ■



INSPECTING AND CERTIFYING OUR EQUIPMENT SO YOUR LIFT GETS OFF THE GROUND

☎ (800) 878-7305

✉ Rentals@RentLGH.com

🌐 www.RentLGH.com/ACT

2022 calendar of

JANUARY 9-12

SC&RA Board & Committee Meeting

Sun Valley, ID
Sun Valley Resort
www.scranet.org

JANUARY 17-19

AED Summit

Orlando, FL
Disney's Coronado Springs Resort
www.aednet.org/events/summit

JANUARY 18-20

World of Concrete

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

JANUARY 26-28

Power-Gen 2022

Dallas, TX
Kay Bailey Hutchison Convention Center
www.powergen.com

FEBRUARY 21-24

North American Iron Workers/IMPACT

San Francisco, CA
Hilton San Francisco Union Square Hotel
www.impact-net.org

FEBRUARY 22-24

SC&RA Transportation Symposium

Glendale, AZ
Renaissance Phoenix Glendale Hotel
www.scranet.org

MARCH 22-23

Cranes and Transport Middle East (CATME)

Dubai, UAE
Swissôtel Al Murooj Dubai
www.khl-catme.com

APRIL 25-29

SC&RA Annual Conference

Washington, DC
Omni Shoreham Hotel
www.scranet.org

APRIL 24-27

AWRF Spring Conference with PIE

Houston, TX
Marriot Marquis Philadelphia
www.awrf.org



MAY 11-13

ACRP General Assembly

Denver, CO
TBA
www.acrp.net

MAY 15-19

CLEANPOWER 2022 Conference & Exhibition

San Antonio, TX
Henry B. Gonzalez Convention Center
www.cleanpower.org

MAY 16-19

Crane Rental Association of Canada

Ontario, CA
Niagara on the Lake Hotel/Queen's Landing
www.crac-aclg.ca

industry events



JUNE 20-21

Tower Cranes North America (TCNA)

Miami, FL

TBA

www.khl-tcna.com

SEPTEMBER 27-29

Breakbulk Americas

Houston, TX

George R. Brown Convention Center

www.americas.breakbulk.com

SEPTEMBER 28

Off-Highway Conference

Chicago, IL

TBA

www.offhighwayresearch.com

OCTOBER 3-5

SC&RA Crane & Rigging Workshop

Dallas, TX

Sheraton Dallas Hotel

www.scranet.org

OCTOBER 16-19

AWRF Fall General Meeting

Philadelphia, PA

Loews Philadelphia

www.awrf.org

OCTOBER 24-30

bauma 2022

Munich, Germany

Messe München

www.bauma.de/de

KHL Group participates in construction industry tradeshow, 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



be profitable

be influential

be seen

belong to SC&RA

join today

www.scranet.org/join



Specialized Carriers & Rigging Association

OUR MEMBERS **LIFT & MOVE** THE WORLD

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.

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

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

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

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

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

tables

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

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

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

SPEED

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

FUEL

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

WEIGHT

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

TEMPERATURE

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

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

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

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

Square Yards (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

BE THERE IN 2022



JANUARY BOARD & COMMITTEE MEETINGS

JANUARY 9-12, 2022
SUN VALLEY
RESORT
SUN VALLEY, ID

SPECIALIZED TRANSPORTATION SYMPOSIUM

FEBRUARY 22-24, 2022
RENAISSANCE PHOENIX
GLENDALE HOTEL
GLENDALE, AZ

ANNUAL CONFERENCE

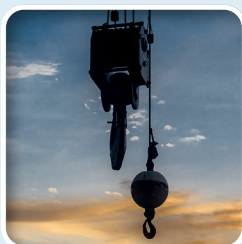
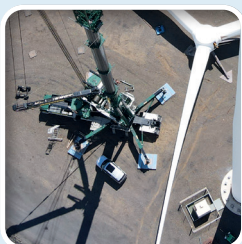
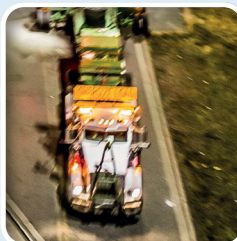
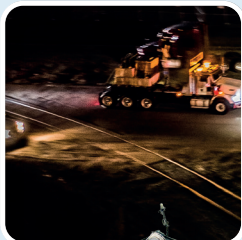
APRIL 25-29, 2022
OMNI SHOREHAM
HOTEL
WASHINGTON, DC

CRANE & RIGGING WORKSHOP

OCTOBER 3-5, 2022
SHERATON DALLAS
HOTEL
DALLAS, TX

JOIN SC&RA AND ATTEND ONE OF THESE EVENTS FOR FREE.
VISIT WWW.SCRANET.ORG/JOIN TO GET STARTED.





MOBILE CRANES 80

ALL TERRAINS

BY MANUFACTURER 80

BY CAPACITY 81

ROUGH TERRAINS

BY MANUFACTURER 82

BY CAPACITY 82

TRUCK CRANES

BY MANUFACTURER 83

BY CAPACITY 83

BOOM TRUCKS 84

BY MANUFACTURER 84

BY CAPACITY 87

CRAWLER CRANES 89

BY MANUFACTURER 89

BY CAPACITY 91

TELESCOPIC CRAWLERS 92

BY MANUFACTURER 92

BY CAPACITY 93

MEGA CRANES 93

BY MANUFACTURER 93

BY CAPACITY 94

TOWER CRANES 94

LUFFING JIB

BY MANUFACTURER 94

BY CAPACITY 97

SADDLE JIB

BY MANUFACTURER 99

BY CAPACITY 103

SELF-ERECTING

BY MANUFACTURER 108

BY CAPACITY 109

ARTICULATING CRANES 110

BY MANUFACTURER 110

BY CAPACITY 112

INDUSTRIAL CRANES 115

BY MANUFACTURER 115

BY CAPACITY 118

RUBBER TIRED GANTRY CRANES 120

BY MANUFACTURER 120

BY CAPACITY 121

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	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	GMK5120L	120	1.0 @ 60.0	66	24	90	5	53	12	390	130
Liebherr	LTM 1030-2.1	35@	0.4@40	30	15	44	2	50	12	209	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	50	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 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 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	750	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	175IAT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Link-Belt	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Tadano	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 4.080-1	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
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
Tadano	AC 9.700-1	700	3.8@110	60	96	145	9	46.6	12	460	800

ALL TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@ m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Liebherr	LTM 1030-2.1	35@	0.4@40	30	15	44	2	50	12	209	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	50	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
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
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 1110-5.2	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	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	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
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	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 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
Tadano	AC 9.700-1	700	3.8@110	60	96	145	9	46.6	12	460	800
Liebherr	LTM 1750-9.1	750	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	Load at		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
		Maximum Load @ 3m (t)	Maximum Radius (t@m)							
Brodersen	RT-400	20	3600 lbs @ 68 ft			98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	45m (146 ft)	2	25	122	30
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	47m (154 ft)	2	25	122	40
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	51.8m (170 ft)	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	59.7m (196 ft)	2	18.8	122	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	65.2m (214 ft)	2	23	194	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	67.3m (221 ft)	2	23	194	70
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	68m (223 ft)	2	15	205	80
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	73m (239.5 ft)	2	15	205	100
Grove	GRT8120	120@2	0.68 @ 58.0	60	17.6	80.8m (265 ft)	2	15	205	120
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	85m (279 ft)	2	15	239	130
Grove	GRT9165	150@2.5	0.65 @ 72.0	62.5	25.8	91.1m (299 ft)	3	7.5	224	165
Liebherr	LRT 1090-2.1	90	0.9@48	47	19	66	2	15.5	188	100
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	188	110
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Link-Belt	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Link-Belt	85IRT	80@2.5	.9@39.6	43.3	17.7	63.6	2	20.8	201	85
Link-Belt	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Link-Belt	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Link-Belt	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1		17	257	130
Link-Belt	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92		15	257	160
Manitex	M-150	15	4,700 lbs @ 55 ft	19.05	n/s	85.5	2	26	119	15
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
Tadano	GR-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
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	RT 100US	87@2.5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Terex	TRT 100US	87@2.5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Terex	TRT 35US	35@3		30.1	8		2		129	
Zoomlion	RT35	35	1.23 @ 29	31	15	41	2	24 MPH	129	40
Zoomlion	RT60	55	1.17 @ 33.5	43	17	61	2	26 MPH	160	65
Zoomlion	ZRT850	70	1.4 @ 34	47	16	65.7	2	22 MPH	194	94

ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Load at		Maximum 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
		Maximum Load @ 3m (t)	Maximum Radius (t@m)							
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			98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	45m (146 ft)	2	25	122	30
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	47m (154 ft)	2	25	122	40
Zoomlion	RT35	35	1.23 @ 29	31	15	41	2	24 MPH	129	40
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	51.8m (170 ft)	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	59.7m (196 ft)	2	18.8	122	55
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	65.2m (214 ft)	2	23	194	65
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65

ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Load at		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
		Maximum Load @ 3m (t)	Maximum Radius (t@m)							
Zoomlion	RT60	55	1.17@33.5	43	17	61.4	2	26 MPH	160	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	67.3m (221 ft)	2	23	194	70
Link-Belt	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	68m (223 ft)	2	15	205	80
Tadano	GR-800XL-4	72.6 @ 2.4	0.64 @ 44	43	17.7	211.3	2	22	209	80
Terex	TRT 80US	80@2.5	0.9 @ 39	42.1	15	141	2	19.2	168	80
Link-Belt	85IRT	80@2.5	.9@39.6	43.3	17.7	63.6	2	20.8	201	85
Zoomlion	ZRT850	70	1.4 @ 34	47	16	65.7	2	22 MPH	194	94
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	73m (239.5 ft)	2	15	205	100
Liebherr	LRT 1090-2.1	90	0.9@48	47	19	66	2	15.5	188	100
Link-Belt	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Tadano	GR-1000XL-4	90.7 @ 2.4	1.27 @ 44	47	17.7	211.3	2	22	209	100
Tadano	GR-1000XL-4	90.7 @ 2.4	1.1 @ 47	51	17.7	224.1	2	22	209	100
Terex	RT 100US	87@2.5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Terex	TRT 100US	87@2.5	1.0 @ 38	47	17	209.9	2	19.2	168	100
Liebherr	LRT 1100-2.1	100	0.6@54	50	19	69	2	15.5	188	110
Grove	GRT8120	120@2	0.68 @ 58.0	60	17.6	80.8m (265 ft)	2	15	205	120
Link-Belt	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Tadano	GR-1200XL	110 @ 2.4	1.2 @ 46	56	17.7	241.4	2	12	201	120
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	85m (279 ft)	2	15	239	130
Link-Belt	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1		17	257	130
Tadano	GR-1300XL-4	120 @ 2.4	1.1 @ 53	56	18	237.9	2	12	209	130
Link-Belt	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92		15	257	160
Tadano	GR-1600XL	145 @ 2.4	1.8 @ 56	61	18	302.5	3	9.3	201	160
Grove	GRT9165	150@2.5	0.65 @ 72.0	62.5	25.8	91.1m (299 ft)	3	7.5	224	165
Terex	TRT 35US	35@3		30.1	8		2		129	

TRUCK CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)							
Grove	TMS500-2	40 @ 2.2	.6 @ 38	29	13.7	39.1	3	65	261	40
Grove	TMS500-2	40 @ 2.2	.6@36	31	13.7	42	3	65	261	40
Grove	TMS700E	55	.5@46	33.5	29.3	64.6	4	65	336	60
Grove	TMS800E	70	.5 @ 48	39	29.3	70.1	4	65	336	80
Grove	TMS9000-2	104	.6 @ 61	51.6	25.6	80.3	4	65	336	115
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	55
Liebherr	LTF 1060-4.1	60@2.5	0.7@48	40	16	56	4	n/s	n/s	70
Link-Belt	HTC-8660 Series II (XP)	45.36	1.2@30	33.5	15.5	46.4	4	60.69	276	60
Link-Belt	65IHT	55 @ 2.1m	1.45@32	35	15.5	52.2	4	60.69	276	65
Link-Belt	HTC/HTT-8675 Series II	64.25	1.45@36	38.7	29.26	65.17	4	62.9	336	75
Link-Belt	HTC/HTT-86100	72.65	2.35@40	42.7	27.5	67.3	4	62.9	336	100
Link-Belt	HTC/HTT-86110	85	1.9@46	50	27.5	76.9	4	62	336	110
Link-Belt	120IHT	110 @ 2.1m	1.9@47	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	Load at		Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)							
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
Grove	TMS700E	55	.5@46	33.5	29.3	64.6	4	65	336	60
Link-Belt	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	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	HTC/HTT-8675 Series II	64.25	1.45@36	38.7	29.26	65.17	4	62.9	336	75
Grove	TMS800E	70	.5 @48	39	29.3	70.1	4	65	336	80
Load King	480-126	72	1.6@36	38.4	17.4	57.6	4	65	335	80
Link-Belt	HTC/HTT-86100	72.65	2.35@40	42.7	27.5	67.3	4	62.9	336	100
Link-Belt	HTC/HTT-86110	85	1.9@46	50	27.5	76.9	4	62	336	110
Grove	TMS9000-2	104	.6 @61	51.6	25.6	80.3	4	65	336	115
Link-Belt	120IHT	110 @ 2.1m	1.9@47	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	NS
Tadano	GT-600EL	60 @ 2.7	0.6@34	43	14.3	57.3	4	85 km/h	260	NS
Tadano	GT-750EL	75 @ 2.7	0.6@40	47	14.3	61.2	4	85 km/h	260	NS

BOOM TRUCKS BY MANUFACTURER

		BOOM LIFTS BY MANUFACTURER				
		Max Hook Height	Boom	Jib	Outrigger	Max Lift Capacity
Manufacturer	Model	(ft/inch)	Length (ft/inch)	Length (ft/inch)	Type	(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	1560	90	60	20	A-Frame	15
Elliott Equipment Company	1838	48	38	NA	A-Frame	18
Elliott Equipment Company	1860	90	60	20	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18

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)
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
Elliott Equipment Company	2651TM	63	51	NA	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	A-Frame	26
Elliott Equipment Company	3095	148	95	24 or 41	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	Out-and-Down	30
Elliott Equipment Company	34127	186	127	49	Out-and-Down	34
Elliott Equipment Company	34142	201	142	49	Out-and-Down	34
Elliott Equipment Company	36127	186	127	49	Out-and-Down	36
Elliott Equipment Company	36142	201	142	49	Out-and-Down	36
Elliott Equipment Company	40105	170	105	32 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Elliott Equipment Company	45127	192	127	26 or 55	Out-and-Down	45
Elliott Equipment Company	45142	207	142	26 or 55	Out-and-Down	45
Load King	10-47	87	47	18-30	A Link-Type	10
Load King	19-51TM	79	51	18 - 29	H-type	19
Load King	19-70	120	70	24 - 40	A Link-Type	19
Load King	25-92	144	92	26 - 44	A Link-Type	25
Load King	25-92M	144	92	26 - 44	H-type	25
Load King	28-106	162	106	30 - 47	A Link-Type	28
Load King	35-100	163	100	30.5 - 55	H-type	35
Load King	35-127M	192	127	30.5 - 55	H-type	35
Load King	35-127RS	192	127	30.5 - 55	H-type	35
Load King	40-127RS	192	127	30.5 - 55	H-type	40
Load King	50-155	214	155	32 - 49	X-pattern	50
Load King	60-150	209	150	32 - 49	X-pattern	60
Load King	80-160	228	160	30 - 58	X-pattern	80
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
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

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	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	NBT 40-2	204	142	55	HO-type	40
National Crane	NBT 45-2	204	142	55	HO-type	45
National Crane	NBT 50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
National Crane	NBT 60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60
National Crane	NBT60XL	202	151	45	X-type	60
QMC	5370R	73.8	70	n/s	Out-and-Down	22
QMC	5555S	58.8	55	n/s	Out-and-Down	23
QMC	5555R	58.8	55	n/s	Out-and-Down	23
QMC	4033R	37.4	33	n/s	Out-and-Down	25
QMC	4037R	41.3	37	n/s	Out-and-Down	25
QMC	5037R	34.9	37	n/s	Out-and-Down	29
QMC	5034R	32.2	34	n/s	Out-and-Down	29
QMC	7256R	60.2	56	n/s	Out-and-Down	30
QMC	6070C	73.8	70	30 Fly	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	Out-and-Down	33
QMC	6082TD	83.9	82	n/s	Out-and-Down	34
QMC	70100TD	95.5	100	n/s	Out-and-Down	35
QMC	7060RSX	56.9	60	n/s	Out-and-Down	36
QMC	8060R	57.1	60	n/s	Out-and-Down	40
QMC	80101S	97	101	n/s	Out-and-Down	40

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Load King	10-47	87	47	18-30	A Link-Type	10
National Crane	400B	66	56	n/s	A-type	10
Elliott Equipment Company	1560	90	60	20	A-Frame	15
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link and Out-and-Down	17
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Elliott Equipment Company	1838	48	38	NA	A-Frame	18
Elliott Equipment Company	1860	90	60	20	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
National Crane	500E2	121	71	41	A-type	18
Load King	19-51TM	79	51	18 - 29	H-type	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
GMC	5370R	73.8	70	n/s	Out-and-Down	22
National Crane	800D	152	100	44	A-type	23
GMC	5555S	58.8	55	n/s	Out-and-Down	23
GMC	5555R	58.8	55	n/s	Out-and-Down	23
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Manitex	2485C/T	95	18.9-85	N/A	Out-and-Down	24
Load King	25-92	144	92	26 - 44	A Link-Type	25
Load King	25-92M	144	92	26 - 44	H-type	25
Manitex	124WL	135	37 - 124	n/s	A-Link and Out-and-Down	25
GMC	4033R	37.4	33	n/s	Out-and-Down	25
GMC	4037R	41.3	37	n/s	Out-and-Down	25
Elliott Equipment Company	2651TM	63	51	NA	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26
Elliott Equipment Company	26105	162	105	26 or 45	A-Frame	26
Manitex	26101C	142	29 - 101	26	A-Link and Out-and-Down	26
National Crane	900A	155	103	44	A-type	26
Load King	28-106	162	106	30 - 47	A Link-Type	28
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
GMC	5037R	34.9	37	n/s	Out-and-Down	29
GMC	5034R	32.2	34	n/s	Out-and-Down	29
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-53B	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

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	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	163	100	30.5 - 55	H-type	35
Load King	35-127M	192	127	30.5 - 55	H-type	35
Load King	35-127RS	192	127	30.5 - 55	H-type	35
Manitex	3577C	91	30 - 77	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	Out-and-Down	35
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	H-type	40
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
National Crane	NBT 40-2	204	142	55	HO-type	40
QMC	8060R	57.1	60	n/s	Out-and-Down	40
QMC	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	NBT 45-2	204	142	55	HO-type	45
Load King	50-155	214	155	32 - 49	X-pattern	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

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	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	NBT 50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
Load King	60-150	209	150	32 - 49	X-pattern	60
National Crane	NBT 60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60
National Crane	NBT60XL	202	151	45	X-type	60
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
Load King	80-160	228	160	30 - 58	X-pattern	80

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)		
Kobelco	CK800G-2	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80
Kobelco	CK850G-2	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85
Kobelco	CK1100G-2	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110
Kobelco	CK1200G-2	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1200G-2 HDD	109 @ 3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1600G-2	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Kobelco	CK2000II	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Kobelco	CK2750G-2	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35
Liebherr	HS 8040.1	44	1.2@36	45	18,568	50	30.8	48
Liebherr	HS 8070.1	65	1.1@46	54	20,760	56	25	77
Liebherr	LR 1110	115.5@3	2.5@65	98	14.0/71.0	71	46.6	110
Liebherr	HS 8100.1	90	1@52	60	14/68	62	22.33	110
Liebherr	LR1110	115	2.4@65	105.9	14/104.8	71	22.5	127
Liebherr	HS 8130.1	120	0.5@50	72	14/53	74	21.66	150
Liebherr	LR 1130.1	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Liebherr	LR 1160.1	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	200
Liebherr	LR 1200.1	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	220
Liebherr	HS 8200	200@4.8	2.6@67		20/68		21.7	220
Liebherr	LR 1250.1	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275
Liebherr	LR 1300.1 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	330

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)		
Liebherr	HS 8300.1	300	2.9@60	72	20/68	68	25	330
Liebherr	LR 1400 SX	400@4.9		172.6	20/95	113		450
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	25	550
Liebherr	LR 1700-1.0	700@8.5m	9.2@160	196	21/165	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 13000	3000@12m	29@200	236	60/144	126	n/s	3,300
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Link-Belt	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Link-Belt	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150
Link-Belt	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Link-Belt	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Link-Belt	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
Manitowoc	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	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	70	13/64	18	33.33	110
SANY America	SCA1350A	135@4.5	2.1@78	100	16/76	31	18.33	150
SANY America	SCA2600A	573.2@5	5@86	125	20/92	63	21.67	286
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	1.2@55	67	13/67	18	21	110
Zoomlion	ZCC2600	260@5	2@82	95	20/83	60	16.67	286

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)		
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35
Liebherr	HS 8040.1	44	1.2@36	45	18.568	50	30.8	48
Liebherr	HS 8070.1	65	1.1@46	54	20.760	56	25	77
Kobelco	CK800G-2	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Kobelco	CK850G-2	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Kobelco	CK1100G-2	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110
Liebherr	LR 1110	115.5@3	2.5@65	98	14.0/71.0	71	46.6	110
Liebherr	HS 8100.1	90	1@52	60	14/68	62	22.33	110
Link-Belt	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
SANY America	SCA1000A	100@3.8	1.3@58	70	13/64	18	33.33	110
Zoomlion	ZCC1100	100@3.2	1.2@55	67	13/67	18	21	110
Kobelco	CK1200G-2	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1200G-2 HDO	109 @ 3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Liebherr	LR1110	115	2.4@65	105.9	14/104.8	71	22.5	127
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Liebherr	HS 8130.1	120	0.5@50	72	14/53	74	21.66	150
Link-Belt	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150
SANY America	SCA1350A	135@4.5	2.1@78	100	16/76	31	18.33	150
Liebherr	LR 1130.1	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Kobelco	CK1600G-2	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Manitowoc	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
Kobelco	CK2000II	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Liebherr	LR 1160.1	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	200
Link-Belt	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Liebherr	LR 1200.1	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	220
Liebherr	HS 8200	200@4.8	2.6@67		20/68		21.7	220
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
Link-Belt	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Kobelco	CK2750G-2	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275
Liebherr	LR 1250.1	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
SANY America	SCA2600A	573.2@5	5@86	125	20/92	63	21.67	286
Zoomlion	ZCC2600	260@5	2@82	95	20/83	60	16.67	286
Link-Belt	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Liebherr	LR 1300.1 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	330
Liebherr	HS 8300.1	300	2.9@60	72	20/68	68	25	330
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
Tadano	CC 24.400-1	400	2.8 @ 138	168	24 / 126	84	33.33	440
Liebherr	LR 1400 SX	400@4.9		172.6	20/95	113		450
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	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	21/165	96	20	770
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length		Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/ Maximum (m/m)				
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	
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	Load at		Maximum Hook Height (m)	Boom Length		Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)		Minimum/ Maximum (m/m)				
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	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	
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	32	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	TCC-550	46.8	0.4@46	49.5	11.2/35.1	15.6	53.3	55	
Link-Belt	TCC-800	80	1.9@34	54.3	11.8/36.6	17.7	35	80	
Link-Belt	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	120	
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140	
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250	
Maeda	CC1485		16.1	22				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	1.8@36	64	12.2/47	17.5	41.7	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	Load at		Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
		Maximum Load @ 3m (t)	Maximum Radius (t@m)					
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Maeda	CC1485	n/s	16.1	22	n/s	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	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	TCC-800	80	1.9@34	54.3	11.8/36.6	17.7	35	80
SANY America	SCA900TB	90	1.8@36	64	12.2/47	17.5	41.7	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	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
Link-Belt	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	32	250
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250

MEGA CRANES BY MANUFACTURER

Manufacturer	Model	Load at		Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Capacity Metric tons	Capacity US Tons
		Maximum Load (t)	Maximum Radius (t@m)				
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 Demag	CC 8800-1 TWIN	3,200	123@129	222	54 / 234	3,197	3,525

MEGA CRANES BY CAPACITY

Manufacturer	Model	Maximum Load (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/Maximum (m/m)	Capacity Metric tons	Capacity US Tons
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 Demag	CC 8800-1 TWIN	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
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
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

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 (°)
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	792	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	J88PA.RC	16	16.0@7.6	2.75@30.5	800	20.5	76	10	na	n/s
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Jaso	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	918	30	180	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
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

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 (°)
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	MRH175	10	10 @ 22.5	1.5 @ 55	n/s	30	218	n/s	57.9	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	215	n/s	57.5	86
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	198.5	n/s	55.9	86
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	195	n/s	63.7	86
Potain	MR 418 A	24	24@20	5@60	n/s	30	254	n/s	82.7	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	63.7	86
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	85
Potain	MR 295 H16	16 t	16 @ 23.4	2.8 @ 60	n/s	30	167	n/s	63.7	86
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84.4	85
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
Terex	CTL 140-10	10	10@18.3	1.7@50	425	30/50	120	0	50.35	85
Terex	CTLH-192-12	12	12@23.15	2.1@55	560	25/55	252	0	84.4	86.3
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
Terex	CTL 630B-32	32	32@23.2	6,7@65	495	35/65	202	0	76	85
Terex	CTL 650F-45	45	45@15.5	7@65	910	35/65	277	0	76	85
Terex	CTL 1600-66	66	66@27.6	16@75	960	40/75	185	0	89	85
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	87
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6,7@61.5	900	12	200	n/s	160	87
Wilbert	WT 905L e.tronic	48	48@29.5	10.0@78	900	15	200	n/s	133	87
Wilbert	WT 1305L e.tronic	64	64@24	14@78	900	15	200	n/s	133	87
Wilbert	WT 1905L e.tronic	80	80@24.5	19@78	900	15	200	n/s	128	87
Wilbert	WT 2705L e.tronic	128	128@19.5	19.5@78	900	15	200	n/s	122.9	87
WOLFFKRAN	WOLFF 133.6 B	6.2	6.2@28.7	2.5@45	400	25/45	160	44	125.6	86
WOLFFKRAN	WOLFF 133.8 B	8	8.0@22.8	2.3@45	500	25/45	158	55	125.6	86
WOLFFKRAN	WOLFF 166 B US	12	12@23	2.0@55	500	25/55	174	25	125.6	86
WOLFFKRAN	WOLFF 235 B	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2	83
WOLFFKRAN	WOLFF 275 B US	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
WOLFFKRAN	WOLFF 355 B US	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6	85
WOLFFKRAN	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	84
WOLFFKRAN	WOLFF 700 B US	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
WOLFFKRAN	WOLFF 1250 B US	60	60@28.2	12.1@80.0	990	40/80	190	11	95	84

LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Jost Cranes	JTL 68.4s	4	4t @ 20m	2t @ 35m	n/s	25	124	15	100	87
Jost Cranes	JTL 68.4	4	4t @ 20m	1.5t @ 40m	n/s	25	124	15	100	87
Jost Cranes	JTL 78.4	4	4t @ 22m	1.6t @ 40m	n/s	25	200	33	100	87
Jost Cranes	JTL 98.4	4	4t @ 22m	1.5t @ 45m	n/s	30	200	33	100	87
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	16	75.3	n/s
Jaso	J118HPA (Hydraulic luffing crane)	6	6.0@25.1	1.6@45	452	30	80	14	68	n/s
Jaso	J168HPA (Hydraulic luffing crane)	6	6.0@30.0	2.5@50	434	30	80	14	70.1	n/s
Jost Cranes	JTL 78.6	6	6t @ 14.6m	1.5t @ 40m	n/s	25	184	17	100	87
Jost Cranes	JTL 98.6	6	6t @ 15m	1.4t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 108.6	6	6t @ 20m	1.6t @ 45m	n/s	30	124	11	100	87
Jost Cranes	JTL 118.6	6	6t @ 20m	1.8t @ 45m	n/s	30	184	17	100	87
Jost Cranes	JTL 158.6	6	6t @ 27m	2.4t @ 50m	n/s	27.3	124	11	100	87
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
WOLFFKRAN	WOLFF 133.6 B	6.2	6.2@28.7	2.5@45	400	25/45	160	44	125.6	86
COMANSA	LCL165 8t	8	8 @ 25	2.5 @ 50	820	30 to 50	310	0	56.6	87
ENG	EDL90	8	8.0@22.2	1.65@44.5	208	12.1	163	4	61.6	87
ENG	ETL 113	8	8.0@25.5	1.68@51.0	313	28	165	4	50.3	85
Jaso	J80PA.RC	8	8.0@14.2	2.75@30.5	800	25.5	76	19	na	n/s
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	15	66.3	n/s
Jost Cranes	JTL 118.8	8	8t @ 15.9 m	1.7t @ 45m	n/s	30	188	21	100	87
Jost Cranes	JTL 168.8	8	8t @ 21.7m	2.0t @ 50m	n/s	27.3	188	21	100	87
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
WOLFFKRAN	WOLFF 133.8 B	8	8.0@22.8	2.3@45	500	25/45	158	55	125.6	86
ENG	EDL120	10	10.0@23.7	2.34@50.4	208	18	131	5	58.7	87
Jost Cranes	JTL 168.10	10	10t @ 17.3m	2.3t @ 50m	n/s	27.3	158	20	100	87
Potain	MRH175	10	10 @ 22.5	1.5 @ 55	n/s	30	218	n/s	57.9	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	215	n/s	57.5	86
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Terex	CTL 140-10	10	10@18.3	1.7@50	425	30/50	120	0	50.35	85
COMANSA	LCL 165 12t	12	12 @ 15	2.3 @ 50	640	30 to 50	330	0	56.6	87
COMANSA	LCL 190 12t	12	12 @ 20	1.5 @ 60	640	30 to 60	330	0	63.1	87
COMANSA	LCL 280 12t	12	12 @ 30	2.9 @ 60	640	30 to 60	330	0	53.2	87
COMANSA	LCL 310 12t	12	12 @ 30	3.5 @ 60	640	30 to 60	330	0	59	87
ENG	EDL182	12	12.0@21.5	2.34@55.4	208	23	131	5	58.7	87
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	15	67.3	n/s
Jost Cranes	JTL 208.12	12	12t @ 19.7m	2.6t @ 55m	n/s	30	110	12	100	87
Jost Cranes	JTL 218.12	12	12t @ 19.4m	3.3t @ 50m	n/s	30	188	12	100	87
Jost Cranes	JTL 268.12	12	12t @ 23m	3.4t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JTL 318.12	12	12t @ 25m	4.5t @ 55m	n/s	30	188	15	100	87
Jost Cranes	JL 226.12	12	12t @ 20.4m	2.2t @ 60m	n/s	30	188	15	100	87
Jost Cranes	JL 266.12	12	12t @ 20.4m	3.1t @ 60m	n/s	30	188	15	100	87
Terex	CTLH-192-12	12	12@23.15	2.1@55	560	25/55	252	0	84.4	86.3
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
Jaso	J88PA.RC	16	16.0@7.6	2.75@30.5	800	20.5	76	10	na	n/s
Jost Cranes	JTL 268.16	16	16t @ 17.5m	3.3t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JTL 318.16	16	16t @ 20m	4.4t @ 55m	n/s	30	146	21	100	87
Jost Cranes	JL 226.16	16	16t @ 15.4m	2.1t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 256.16	16	16t @ 18.5m	3.1t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 266.16	16	16t @ 18.3m	3.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 316.16	16	16t @ 22.1m	4.0t @ 60m	n/s	30	140	15	100	87
Jost Cranes	JL 326.16	16	16t @ 22m	4.0t @ 60m	n/s	30	146	21	100	87
Jost Cranes	JL 366.16	16	16t @ 25.3m	4.4t @ 60m	n/s	30	146	21	100	87
Liebherr	190 HC-L 8/16 Litronic	16	16@18.2	2.5@55.0	892	30 to 55	363	0	60.3	n/s
Liebherr	230 HC-L 8/16 Litronic	16	16@20.3	1.9@60.0	892	30 to 60	363	0	85.1	n/s

LUFFING JIB BY CAPACITY

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Terex	CDK 100-16	16	16@9.56	3,2@30.3	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2@55	425	30/55	145	0	84.4	85
WOLFFKRAN	WOLFF 235 B	16	16.0@18.5	1.6@60	590	30/60	130	38	105.2	83
COMANSA	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	87
COMANSA	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	87
COMANSA	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	87
Jaso	J198HPA (Hydraulic luffing crane)	18	18.0@13.7	1.8@55	792	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
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	63.7	86
COMANSA	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	204	0	53.2	87
COMANSA	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	204	0	59	87
COMANSA	LCL 500 24t	24	24 @ 20	4.7 @ 65	470	30 to 65	180	0	68.3	87
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jost Cranes	JL 416.24	24	24t @ 20.3m	5.1t @ 60m	n/s	30	130	16	100	87
Jost Cranes	JL 426.24	24	24t @ 20.1m	5.3t @ 60m	n/s	30	172	15	100	87
Jost Cranes	JL 526.24	24	24t @ 24m	5.1t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 626.24	24	24t @ 30m	7.0t @ 65m	n/s	30	172	15	100	87
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	330	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@30.8	4.8@65.0	1290	30 to 65	330	0	64.8	n/s
Potain	MR 418 A	24	24@20	5@60	n/s	30	254	n/s	82.7	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	63.7	86
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84.4	85
Terex	CTL 340-24	24	24@15.8	4@60	515	35/60	130	0	78.4	85
Terex	CTL 430-24	24	24@21.3	5,5@60	515	35/60	160	0	78.4	85
WOLFFKRAN	WOLFF 275 B US	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
ENG	ETL 273	25	25.0@21.0	3.32@60.0	564	29	159	3	68.7	85
Liebherr	280 HC-L 16/28 Litronic	28	28@17.0	3.0@60.0	1143	30 to 60	194	0	79.3	n/s
WOLFFKRAN	WOLFF 355 B US	28	28@19.8	4.4@60.0	920	30/60	290	40	115.6	85
COMANSA	LCL 500 30t	30	30 @ 15	4.2 @ 65	400	30 to 65	176	0	62.8	87
Favelle Favco	M220D	32	32@10	3.0@53	n/s	27/55	210	n/s	56	85
Favelle Favco	M380F	32	32@15	3.0@63	n/s	36/64	250	n/s	56	85
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jost Cranes	JL 616.32	32	32t @ 23.2m	9.1t @ 60m	n/s	30	134	17	100	87
Jost Cranes	JL 626.32	32	32t @ 22.6m	6.8t @ 65m	n/s	30	188	21	100	87
Liebherr	357 HC-L 18/32 Litronic	32	32@18.2	4.1@60.0	1101	30 to 60	213	0	70.6	n/s
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	85
Terex	CTL 630B-32	32	32@23.2	6,7@65	495	35/65	202	0	76	85
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6,7@61.5	900	12	200	n/s	160	87
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
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	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	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 (°)
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	918	30	180	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
Potain	MR 295 H16	16 t	16 @ 23.4	2.8 @ 60	n/s	30	167	n/s	63.7	86

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
COMANSA	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	2	75.9
COMANSA	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	2	75.9
COMANSA	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	2	70.9
COMANSA	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	2	70.9
COMANSA	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
COMANSA	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
COMANSA	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
COMANSA	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
COMANSA	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
COMANSA	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
COMANSA	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
COMANSA	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
COMANSA	11LC150 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

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	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC600 25t	25	25 @ 26.3	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC650 25t	25	25 @ 29.4	4.5 @ 80	785	30 / 80	202	0	103.8
COMANSA	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	290	0	110.7
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC660 25t	25	25 @ 30	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 25t	25	25 @ 38.9	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC450 25t	25	25 @ 19.1	2.8 @ 80	785	40 / 80	202	0	109.3
COMANSA	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	202	0	103.7
COMANSA	21LC1050 25t	25	25 @ 46.6	11.8 @ 80	393	30 / 80	300	0	98.2
COMANSA	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 32t	32	32 @ 50.5	16 @ 80	363	40 / 80	259	0	102.8
COMANSA	21LC660 37.5t	37.5	37.5 @ 20.5	5.2 @ 84	393	40 / 84	300	0	103.8
COMANSA	21LC750 37.5t	37.5	37.5 @ 26.4	8.0 @ 80	393	40 / 80	300	0	98.2
COMANSA	21LC1050 37.5t	37.5	37.5 @ 32.7	11.8 @ 80	393	30 / 80	300	0	98.2
COMANSA	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
COMANSA	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
COMANSA	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
COMANSA	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
COMANSA	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
COMANSA	30LC1100 64t	64	64 @ 20.2	10.4 @ 80	363	40 / 80	130	0	108.3
COMANSA	30LC1450 64t	64	64 @ 26.8	14.8 @ 80	363	40 / 80	130	0	102.8
COMANSA	21LC1400 66t	66	66 @ 26.5	9.6 @ 85	355	28.6 / 85	116	0	86.5
COMANSA	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
ENG	ETT90	5	5.0@19.1	1.35@51.0	205	18.0/51.0	82	3	42.5
ENG	ETT115	8	8.0@19.0	1.21@63.0	245	34.0/63.0	163	4	67.9
ENG	ETT145	10	10.0@18.1	1.30@65.0	252	38.0/65.0	131	5	62.5
ENG	ETT192	10	10.0@24.1	2.31@65.0	298	25.0/65.0	131	5	66
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
ENG	ETT450	24	24.0@23.2	3.30@80.0	398	30.0/80.0	173	4	90.7
ENG	ETT531	25	25.0@22.7	2.20@86.0	400	36.0/86.0	159	3	90.7
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5
Jaso	J36MAC	2	2@20.4	1@35	193	30/35	40	5	90.8
Jaso	J4010	2.5	2.5@25	1@40	193	20/40	82	5	87.8
Jaso	J4510	2.5	2.5@30	1@45	193	20/45	82	5	87.8
Jaso	J5010	2.5	2.5@35	1@50	193	20/50	82	5	87.8
Jaso	J5510	2.5	2.5@29.9	1@55	193	30@55	82	5	87.8
Jaso	J37NS	4	4.0@11.5	1.0@37.0	189	20.0/37.0	82	3	87.6
Jaso	J42NS	5	5.0@13.6	1.1@42.0	189	20.0/42.0	82	2.5	87.6
Jaso	J47NS	5	5.0@15.2	1.0@47.0	189	20.0/47.0	100	4	88.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	12.5	82.4
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	12.5	82.9
Jaso	J150.8.2R	8	8.0@22.7	1.4@65	352	27.5/65	160	12.5	81.5
Jaso	J120.10	10	10.0@17.1	1.6@60	534	27.5/60	80	12.5	85.6
Jaso	150.1	10	10.0@19.4	1.6@65	534	27.5/65	80	12.5	81.5
Jaso	160.1	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 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Jaso	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	J420	24	24.0@23.2	2.5@85	828	30/85	205	14	83.8
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	83.8
Jaso	J600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	80.8
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
Jaso	J 1400	64	64.0@24.3	10.5@80	456	25/80	94	9	69.3
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	149	0	47.8
Liebherr	125 EC-B 6	6	6.00@22.3	1.6@58	250	20 to 58	123	0	61.5
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Liebherr	205 EC-B 10	10	10.00@22.2	2.10@65.0	321	24.4 to 65.0	230	0	75.2
Liebherr	220 EC-B 10	10	10.00@23.5	2.25@68	321	24.4 to 68	230	0	75.2
Liebherr	240 EC-B 10 Fibre	10	10.00@23.9	2.5@68	277	24.4 to 68	143	0	75.2
Liebherr	220 EC-B 12	12	12.00@19.5	2.05@68	325	24.4 to 68	192	0	73.1
Liebherr	240 EC-B 12 Fibre	12	12.00@20.00	2.4@68	269	24.4 to 68	119	0	73.1
Liebherr	250 EC-B 12 Litronic	12	12.00@25.7	2.25@70.00	325	24.4 to 70	266	0	87.2
Liebherr	278 EC-B 12 Fibre	12	12.00@26.9	2.85@70	269	24.4 to 70	119	0	90.1
Liebherr	340 EC-B 12	12	12.00@28	2.4@78	325	24.4 to 78	267	0	94.6
Liebherr	340 EC-B 16	16	16.00@21.0	2.1@78	325	24.4 to 78	267	0	94.6
Liebherr	370 EC-B 12 Fibre	12	12.00@31	2.8@78	269	24.4 to 78	272	0	94.6
Liebherr	380 EC-B 12 Litronic	12	12.00@34.80	3.70@75.0	325	30 to 75	266	0	92.3
Liebherr	380 EC-B 16 Litronic	16	16.00@26.3	3.40@75.0	276	30 to 75	243	0	92.3
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41.5 to 81.5	191	0	86.9
Liebherr	550 EC-H 40 Litronic	40	40.00@18.30	4.00@81.5	520	40 to 81.5	191	0	85.5
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81.4	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34.5 to 81.4	191	0	88.4
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	38.8 to 81	95	0	79
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.4	334	36 to 81.4	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.1	11.00@81.4	334	34.5 to 81.4	154	0	85.5
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	38.8 to 81	77	0	79
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.4	226	48 to 81.4	105	0	91.8
Liebherr	3150 HC 60	60	60.00@53.00	32.00@80.0	226	39.2 to 80	105	0	73.8
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	59.2 to 96	136	0	67.6
Liebherr	1000 EC-B 100 Litronic	100	100.00@11	9.6@46.5	257	31.5 to 46.5	32	0	85.1
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	19.35@31.5	257	36.5 to 36.5	22	0	110.8
Potain	Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s
Potain	Potain	MDT139	6	6@24.8	1.9@55	n/s	55	96	n/s
Potain	Potain	MDT189	8	8@24.5	1.8@60	n/s	60	121	n/s
Potain	Potain	MDT219 J8	8	8@29.2	1.95@65	n/s	65	121	n/s
Potain	Potain	MDT219 J10	10	10@21.7	1.9@65	n/s	65	101	n/s
Potain	Potain	MDT 249 J10	10	10@24.6	2.75@65	n/s	65	215	n/s
Potain	Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s
Potain	Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s
Potain	Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s
Potain	Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s
Potain	Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s
Potain	Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s
Potain	Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	204	n/s
Potain	Potain	MDT 569 M20	20	20 @ 30	4.2t @ 80	n/s	80	195	n/s
Potain	Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	195	n/s
Potain	Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s
Potain	Potain	MDT 569 M25	25	25 @ 26	4.2t @ 80	n/s	80	195	n/s

SADDLE JIB BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Potain	Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s
Potain	Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	195	n/s
Potain	Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	195	n/s
Potain	Potain	MD 689 M25	25	25 @ 29.3	6.7 @ 80	n/s	80	195	n/s
Potain	Potain	MDT 569 M32	32	32 @ 20.1	3.6 @ 80	n/s	80	151	n/s
Potain	Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s
Potain	Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s
Potain	Potain	MD 689 M40	40	40 @ 18.5	6.0 @ 80	n/s	80	162	n/s
Potain	Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	162	n/s
Potain	Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	162	n/s
Potain	Potain	MD 2200	64	64@35	23.5@80	n/s	80	162	n/s
Potain	Potain	MD 3200	80	80@37	38.7@70	n/s	85	64	n/s
Potain	Potain	MCT 68	3	3@20	1.1@46	n/s	46	82	n/s
Potain	Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s
Potain	Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s
Potain	Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s
Potain	Potain	MDT349 L12	12	12 @30	3.2 @75	n/s	75	220	n/s
Potain	Potain	MDT349 L16	16	16 @ 22.5	3 @ 75	n/s	75	204	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		114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186		93.4
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138		93.4
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	91.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	68.6
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	91.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	75.8
Terex	CTT 721B-40	40	40@21.9	4.65@80	239	39/84	146	0	79.4
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6
Wilbert	WT 180 e.tronic	8	8@30	1.8@65	160	25/65	170	n/s	100
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 360 e.tronic	16	16@27.5	2.8@77.5	610	25/77.5	170	n/s	100
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5
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 4518 City	6	6.0@17.3	1.3@50	63.3	20 - 50	55		60.3
WOLFFKRAN	WOLFF 5014 City	6	6.0@17.8	1.4@50	104.3	20 - 50	108		101.3
WOLFFKRAN	WOLFF 5020.6 Clear	6.2	6.2@20	1.5@55	115.2	20 - 55	52		113.7
WOLFFKRAN	WOLFF 5020.8 Clear	8.5	8.5@17	1.5@55	115.2	20 - 50	115		113.7
WOLFFKRAN	WOLFF 6020.6 Clear	6.2	6.2@27.6	2.0@60	110.7	25 - 60	108		109.2
WOLFFKRAN	WOLFF 6020.8 Clear	8.5	8.5@20.2	1.8@60	110.7	25 - 60	115		109.2

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)
WOLFFKRAN	WOLFF 6023.6 Clear	6.2	6.2@35.5	2.3@60	110.7	25 - 60	52		109.2
WOLFFKRAN	WOLFF 6023.8 Clear	8.5	8.5@26.6	2.3@60	110.7	25 - 60	115		109.2
WOLFFKRAN	WOLFF 6031.8 Clear	8.5	8.5@30.5	2.3@65	106.2	30 - 60	115		104.7
WOLFFKRAN	WOLFF 6031.12 Clear (US)	12	12.0@21.5	2.0@65	106.2	30 - 60	115		104.7
WOLFFKRAN	WOLFF 7032.8 Clear	8.5	8.5@37.9	3.2@70	106.2	25 - 70	185		104.7
WOLFFKRAN	WOLFF 7032.12 Clear	12	12.0@27.3	2.9@70	106.2	25 - 70	185		104.7
WOLFFKRAN	WOLFF 7532.16 Cross	16.5	16.5@23	3.2@75	97.2	30 - 75	170		95.7
WOLFFKRAN	WOLFF 7534.8 Clear	8.5	8.5@43.6	3.4@75	106.2	30 - 75	185		104.7
WOLFFKRAN	WOLFF 7534.16 Clear (US)	16.5	16.5@24.1	2.9@75	106.2	30 - 75	185		104.7
WOLFFKRAN	WOLFF 8033.8 Cross	8.5	8.5@55	3.3@80	92.2	30 - 80	185		91.2
WOLFFKRAN	WOLFF 8033.16 Cross	16.5	8.5@29.5	2.9@80	92.2	30 - 80	185		91.2
WOLFFKRAN	WOLFF 8033.20 Cross (US)	20	20.0@24.5	2.6@80	92.2	30 - 80	132		91.2
WOLFFKRAN	WOLFF 9025 Cross	20	20.0@24.4	2.5@90	91.7	30 - 90	125		91.2
WOLFFKRAN	WOLFF 8540.20 Cross	20	20.0@30.7	4.0@85	91.7	30 - 85	125		91.2
WOLFFKRAN	WOLFF 8540.40 Cross	40	40.0@15.6	2.2@85	87.2	30 - 85	125		86.7
WOLFFKRAN	WOLFF 6071 Cross	20	20.0@31.8	7.1@60	91.7	30 - 60	125		91.2
WOLFFKRAN	WOLFF 8060.25 Cross	25	25.0@30	6.0@80	82.7	30 - 80	159		82.2
WOLFFKRAN	WOLFF 8060.50 Cross	50	50.0@15.2	4.2@80	82.7	30 - 80	159		82.2
Zoomlion	T8030-25	25	25@20	3@80	350	30/80	150	6	91.2
Zoomlion	T600-32	32	32@15	2.5@85	350	30/85	150	6	91.2

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Jaso	J36MAC	2	2@20.4	1@35	193	30/35	40	5	90.8
Jaso	J4010	2.5	2.5@25	1@40	193	20/40	82	5	87.8
Jaso	J4510	2.5	2.5@30	1@45	193	20/45	82	5	87.8
Jaso	J5010	2.5	2.5@35	1@50	193	20/50	82	5	87.8
Jaso	J5510	2.5	2.5@29.9	1@55	193	30@55	82	5	87.8
COMANSA	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	2	75.9
COMANSA	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	2	75.9
COMANSA	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	2	70.9
COMANSA	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	2	70.9
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
Jaso	J37NS	4	4.0@11.5	1.0@37.0	189	20.0/37.0	82	3	87.6
COMANSA	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
COMANSA	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
COMANSA	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
COMANSA	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
COMANSA	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
COMANSA	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
ENG	ETT90	5	5.0@19.1	1.35@51.0	205	18.0/51.0	82	3	42.5
Jaso	J42NS	5	5.0@13.6	1.1@42.0	189	20.0/42.0	82	2.5	87.6
Jaso	J47NS	5	5.0@15.2	1.0@47.0	189	20.0/47.0	100	4	88.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Liebherr	85 EC-B 5 FR.tronic	5	5.00@21.1	1.30@50.0	260	20 to 50	149	0	47.8
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@22,3	1.6@58	250	20 to 58	123	0	61.5
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7

SADDLE JIB BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
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
WOLFFKRAN	WOLFF 4518 City	6	6.0@17.3	1.3@50	63.3	20 - 50	55		60.3
WOLFFKRAN	WOLFF 5014 City	6	6.0@17.8	1.4@50	104.3	20 - 50	108		101.3
WOLFFKRAN	WOLFF 5020.6 Clear	6.2	6.2@20	1.5@55	115.2	20 - 55	52		113.7
WOLFFKRAN	WOLFF 6020.6 Clear	6.2	6.2@27.6	2.0@60	110.7	25 - 60	108		109.2
WOLFFKRAN	WOLFF 6023.6 Clear	6.2	6.2@35.5	2.3@60	110.7	25 - 60	52		109.2
COMANSA	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	310	0	103.3
COMANSA	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	310	0	103.3
COMANSA	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	194	0	104.8
ENG	ETT115	8	8.0@19.0	1.21@63.0	245	34.0/63.0	163	4	67.9
Jaso	J 115.8	8	8.0@17.2	1.3@60	534	25/60	100	12.5	82.4
Jaso	J 145.A	8	8.0@20.26	2.0@60	534	30/60	100	12.5	82.9
Jaso	J150.8.2R	8	8.0@22.7	1.4@65	352	27.5/65	160	12.5	81.5
Liebherr	150 EC-B 8 Litronic	8	8.00@22.5	1.40@62.5	328	24.4 to 62.5	174	0	76.5
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Wilbert	WT 180 e.tronic	8	8@30	1.8@65	160	25/65	170	n/s	100
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
WOLFFKRAN	WOLFF 5020.8 Clear	8.5	8.5@17	1.5@55	115.2	20 - 50	115		113.7
WOLFFKRAN	WOLFF 6020.8 Clear	8.5	8.5@20.2	1.8@60	110.7	25 - 60	115		109.2
WOLFFKRAN	WOLFF 6023.8 Clear	8.5	8.5@26.6	2.3@60	110.7	25 - 60	115		109.2
WOLFFKRAN	WOLFF 6031.8 Clear	8.5	8.5@30.5	2.3@65	106.2	30 - 60	115		104.7
WOLFFKRAN	WOLFF 7032.8 Clear	8.5	8.5@37.9	3.2@70	106.2	25 - 70	185		104.7
WOLFFKRAN	WOLFF 7534.8 Clear	8.5	8.5@43.6	3.4@75	106.2	30 - 75	185		104.7
WOLFFKRAN	WOLFF 8033.8 Cross	8.5	8.5@55	3.3@80	92.2	30 - 80	185		91.2
COMANSA	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3
COMANSA	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1
ENG	ETT145	10	10.0@18.1	1.30@65.0	252	38.0/65.0	131	5	62.5
ENG	ETT192	10	10.0@24.1	2.31@65.0	298	25.0/65.0	131	5	66
Jaso	J120.10	10	10.0@17.1	1.6@60	534	27.5/60	80	12.5	85.6
Jaso	150.1	10	10.0@19.4	1.6@65	534	27.5/65	80	12.5	81.5
Jaso	160.1	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	230	0	75.2
Liebherr	220 EC-B 10	10	10.00@23.5	2.25@68	321	24.4 to 68	230	0	75.2
Liebherr	240 EC-B 10 Fibre	10	10.00@23.9	2.5@68	277	24.4 to 68	143	0	75.2
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
COMANSA	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	330	0	104.3
COMANSA	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	330	0	102.1
COMANSA	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
Jaso	J 200.12	12	12.0@18.1	1.8@67.5	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	192	0	73.1

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	240 EC-B 12 Fibre	12	12.00@20.00	2.4@68	269	24,4 to 68	119	0	73.1
Liebherr	250 EC-B 12 Litronic	12	12.00@25.7	2.25@70.00	325	24,4 to 70	266	0	87.2
Liebherr	278 EC-B 12 Fibre	12	12.00@26.9	2.85@70	269	24,4 to 70	119	0	90.1
Liebherr	340 EC-B 12	12	12.00@28	2.4@78	325	24,4 to 78	267	0	94.6
Liebherr	370 EC-B 12 Fibre	12	12.00@31	2.8@78	269	24,4 to 78	272	0	94.6
Liebherr	380 EC-B 12 Litronic	12	12.00@34.80	3.70@75.0	325	30 to 75	266	0	92.3
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
WOLFFKRAM	WOLFF 6031.12 Clear (US)	12	12.0@21.5	2.0@65	106.2	30 - 60	115		104.7
WOLFFKRAM	WOLFF 7032.12 Clear	12	12.0@27.3	2.9@70	106.2	25 - 70	185		104.7
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4
Liebherr	340 EC-B 16	16	16.00@21.0	2.1@78	325	24,4 to 78	267	0	94.6
Liebherr	380 EC-B 16 Litronic	16	16.00@26.3	3.40@75.0	276	30 to 75	243	0	92.3
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 360 e.tronic	16	16@27.5	2.8@77.5	610	25/77.5	170	n/s	100
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5
WOLFFKRAM	WOLFF 7532.16 Cross	16.5	16.5@23	3.2@75	97.2	30 - 75	170		95.7
WOLFFKRAM	WOLFF 7534.16 Clear (US)	16.5	16.5@24.1	2.9@75	106.2	30 - 75	185		104.7
WOLFFKRAM	WOLFF 8033.16 Cross	16.5	8.5@29.5	2.9@80	92.2	30 - 80	185		91.2
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145	13	90.7
COMANSA	21LC335 20t	20	20 @ 17.9	2.9 @ 74	640	40 / 74	290	0	98.9
COMANSA	21LC450 20t	20	20 @ 24.7	3.3 @ 80	640	40 / 80	290	0	110.8
COMANSA	21LC600 20t	20	20 @ 33.5	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC650 20t	20	20 @ 37.8	4.95 @ 80	640	30 / 80	290	0	105.3
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
COMANSA	21LC550 20t	20	20 @ 27.9	4.4 @ 80	640	40 / 80	290	0	110.7
COMANSA	21LC660 20t	20	20 @ 36.2	5.8 @ 84	320	40 / 84	290	0	105.3
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41,5 to 81,5	191	0	86.9
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
WOLFFKRAM	WOLFF 8033.20 Cross (US)	20	20.0@24.5	2.6@80	92.2	30 - 80	132		91.2
WOLFFKRAM	WOLFF 9025 Cross	20	20.0@24.4	2.5@90	91.7	30 - 90	125		91.2
WOLFFKRAM	WOLFF 8540.20 Cross	20	20.0@30.7	4.0@85	91.7	30 - 85	125		91.2
WOLFFKRAM	WOLFF 6071 Cross	20	20.0@31.8	7.1@60	91.7	30 - 60	125		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	J420	24	24.0@23.2	2.5@85	828	30/85	205	14	83.8
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	83.8
Jaso	J600.24.A	24	24@28	5.1@80	436	34.5/80	185	14	80.8
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186		93.4
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
WOLFFKRAM	WOLFF 8060.25 Cross	25	25.0@30	6.0@80	82.7	30 - 80	159		82.2

SADDLE JIB BY CAPACITY

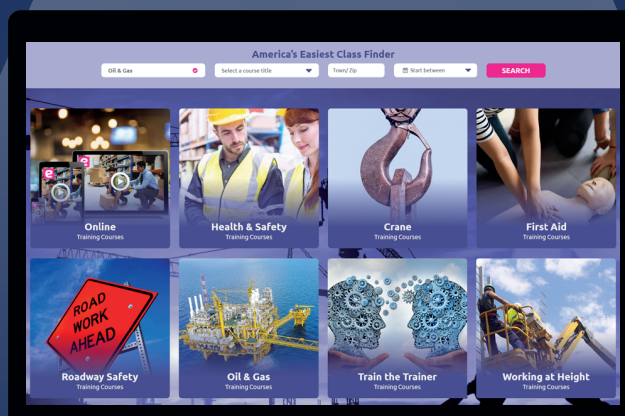
Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Maximum Hook Height (m)	Jib Length Minimum/Maximum (m/m)	Maximum Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Zoomlion	T8030-25	25	25@20	3@80	350	30/80	150	6	91.2
COMANSA	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
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138		93.4
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	91.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	75.8
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7
Wilbert	WT 720 e.tronic	32	32@25	5.8@85	500	25/85	240	n/s	100
Zoomlion	T600-32	32	32@15	2.5@85	350	30/85	150	6	91.2
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5
Liebherr	550 EC-H 40 Litronic	40	40.00@18.30	4.00@81.5	520	40 to 81,5	191	0	85.5
Liebherr	630 EC-H 40 Litronic	40	40.00@18.90	5.80@81.4	520	36 to 81,4	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@81.4	520	34,5 to 81,4	191	0	88.4
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	38,8 to 81	95	0	79
Terex	CTT 721B-40	40	40@21.9	4.65@80	239	39/84	146	0	79.4
WOLFFKRAN	WOLFF 8540.40 Cross	40	40.0@15.6	2.2@85	87.2	30 - 85	125		86.7
COMANSA	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
COMANSA	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
COMANSA	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
COMANSA	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
COMANSA	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
COMANSA	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@81.4	334	36 to 81,4	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@22.1	11.00@81.4	334	34,5 to 81,4	154	0	85.5
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	38,8 to 81	77	0	79
WOLFFKRAN	WOLFF 8060.50 Cross	50	50.0@15.2	4.2@80	82.7	30 - 80	159		82.2
Liebherr	2000 HC 60	60	60.00@34.90	22.00@81.4	226	48 to 81,4	105	0	91.8
Liebherr	3150 HC 60	60	60.00@53.00	32.00@80.0	226	39,2 to 80	105	0	73.8
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
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
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	59,2 to 96	136	0	67.6
Liebherr	1000 EC-B 100 Litronic	100	100.00@11	9.6@46,5	257	31.5 to 46.5	32	0	85.1
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	19.35@31.5	257	36.5 to 36.5	22	0	110.8
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
Potain	Potain	MCT 68	3	3@20	1.1@46	n/s	46	82	n/s
Potain	Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s
Potain	Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	162	n/s
Potain	Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	162	n/s
Potain	Potain	MD 2200	64	64@35	23.5@80	n/s	80	162	n/s
Potain	Potain	MD 3200	80	80@37	38.7@70	n/s	85	64	n/s
Potain	Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	195	n/s
Potain	Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	195	n/s
Potain	Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s
Potain	Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	195	n/s
Potain	Potain	MD 689 M25	25	25 @ 29.3	6.7 @ 80	n/s	80	195	n/s
Potain	Potain	MD 689 M40	40	40 @ 18.5	6.0 @ 80	n/s	80	162	n/s
Potain	Potain	MDT 249 J10	10	10@24.6	2.75@65	n/s	65	215	n/s
Potain	Potain	MDT 249 J12	12	12 @ 20.4	2.6 @ 65	n/s	65	220	n/s
Potain	Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s
Potain	Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s
Potain	Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s
Potain	Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	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	Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s
Potain	Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s
Potain	Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s
Potain	Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	204	n/s
Potain	Potain	MDT 569 M20	20	20 @ 30	4.2t @ 80	n/s	80	195	n/s
Potain	Potain	MDT 569 M25	25	25 @ 26	4.2t @ 80	n/s	80	195	n/s
Potain	Potain	MDT 569 M32	32	32 @ 20.1	3.6 @ 80	n/s	80	151	n/s
Potain	Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s
Potain	Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s
Potain	Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s
Potain	Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s
Potain	Potain	MDT139	6	6@24.8	1.9@55	n/s	55	96	n/s
Potain	Potain	MDT189	8	8@24.5	1.8@60	n/s	60	121	n/s
Potain	Potain	MDT219 J10	10	10@21.7	1.9@65	n/s	65	101	n/s
Potain	Potain	MDT219 J8	8	8@29.2	1.95@65	n/s	65	121	n/s
Potain	Potain	MDT349 L12	12	12 @30	3.2 @75	n/s	75	220	n/s
Potain	Potain	MDT349 L16	16	16 @ 22.5	3 @ 75	n/s	75	204	n/s

course spotlights

- ✓ Online instructor-led PEC SafeLand, SafeGulf, and H2S Clear courses
- ✓ NCCCO Crane Training and Certification



easybook
training
training for safety

1000s OF TRAINING COURSES
- ONE EASY SEARCH TOOL

E-mail: info@easybooktraining.com Tel: 480-401-0737

Book Today - Train Tomorrow:

www.easybooktraining.com

SELECTING 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@12.0	2.20@45.0	30.2	45	75
Liebherr	MK 140	8	8.00@14.5	1.00@65.0	37.7	58.3 to 65	n/s
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 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@12.4	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Hup M 28-22	2.2	2.2@12.7	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.2	1.45@40	35	40	68
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63
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@12.4	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@12.7	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Liebherr	L1-24	2.5	2.5@11.4	0.8@27	19.2	22 to 27	51
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	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
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
Liebherr	125 K	8	8.00@16.3	1.3@55	41.5	35 to 55	66.3
Liebherr	MK 88-4.1	8	8.00@12.0	2.20@45.0	30.2	45	75
Liebherr	MK 140	8	8.00@14.5	1.00@65.0	37.7	58.3 to 65	n/s
Potain	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	Maximum Lifting Capacity (pounds)	Load at Maximum Radius (feet/inches)	Maximum Hook Height (feet/inches)	Powered Boom Length (feet/inches)	Folded Height (feet/inches)	Installed Weight (pounds)	Capacity US tons
Effer	65	5,835	7 ft 11 in	46 ft 1 in	34 ft 1 in	78 in	1,740	2.9
Effer	80	6,250	8 ft 4 in	46 ft 4 in	35 ft 4 in	82 in	2,015	3.1
Effer	100	7,735	7 ft 11 in	45 ft 7 in	34 ft 7 in	85 in	2,380	3.8
Effer	145	9,180	9 ft 8 in	66 ft 1 in	55 ft 1 in	89 in	3,679	4.6
Effer	165	10,955	9 ft 2 in	65 ft 4 in	54 ft 4 in	90 in	4,010	5.5
Effer	225	15,990	9 ft 8 in	60 ft 0 in	55 ft 7 in	92 in	6,250	8.1
Effer	265	17,855	9 ft 8 in	67 ft 7 in	55 ft 7 in	92 in	6,250	8.9
Effer	315	22,640	8 ft 10 in	81 ft 9 in	69 ft 9 in	93 in	7,195	11.3
Effer	375	24,165	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.1
Effer	395	25,570	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.8
Effer	455/505	31,305	9 ft 10 in	82 ft 9 in	70 ft 9 in	96 in	11,195	15.6
Effer	655/685	41,300	9 ft 6 in	87 ft 5 in	75 ft 5 in	97 in	12,420	20.6
Effer	1355	51,145	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,445	25.5
Effer	1405	52,025	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,545	29.4
Effer	855	52,685	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	26.3
Effer	955	54,780	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	27.3
Effer	2655	60,185	15 ft 0 in	104 ft 11 in	90 ft 0 in	108 in	37,367	37.6
Effer	1750	63,380	14 ft 2 in	76 ft 8 in	64 ft 8 in	104 in	26,565	37.2
Effer	1855	65,035	14 ft 2 in	84 ft 2 in	72 ft 2 in	104 in	26,715	38.2
Effer	2055	71,205	13 ft 2 in	84 ft 2 in	71 ft 5 in	106 in	28,395	38.9
Effer	2255	66,135	14 ft 5 in	98 ft 5 in	141 ft 10 in	111 in	39,903	39.7
Effer	2755	108,025	9 ft 11 in	45 ft 11 in	36 ft 10 in	83 in	56,980	54.1
Fassi	F22A.0.22	2,193	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881	1
Fassi	F28A.0.23	2,193	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1,025	1
Fassi	F38A.0.23	2,193	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1,267	1
Fassi	M10A 12	2,194	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396	1
Fassi	M30A 13	4,404	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573	2
Fassi	F50A.0.24	5,004	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1,653	2.5
Fassi	F600SE.44	6,600	1,390 lbs @ 100 ft	1,121 ft	100'	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
Franna	AT 15-3	33,000	2300 lb at 52 ft	55 ft 9 in	45 ft 5 in	9 ft 10 in	35,300	17
Franna	AT 22	48,500	3700 lb at 51 ft 10 in	55 ft 9 in	45 ft 5 in	10 ft 2 in	44,100	24
Franna	MAC 25-4	55,100	3900 lb at 51 ft 6 in	59 ft	60 ft 5 in	10 ft 2 in	52,700	27
Franna	AT 40	88,100	6600 lb at 51 ft 5 in	62 ft 4 in	65 ft	11 ft 5 in	65,100	44
IMT	2.5/18	1,740	715 lb (325 kg) @ 22'8"	28' 1" (8.6 m)	23' (7 m)	5 ft	895 lb (405 kg)	0.87
IMT	3.2/23	2,195	960 lb (435 kg) @ 23'4"	29' 3" (8.9 m)	23 ft 7 in (7.2 m)	5 ft 3 in	920 lb (418 kg)	1.1
IMT	610 MCS/RC	6,526	948 lb (430 kg) @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3
IMT	710 RCS	6,526	992 lb @ 35'5"	43' 11" (13.4 m)	35' 4" (10.8 m)	6 ft 2 in	1,389 lb (630 kg)	3.4
IMT	810 MCS/RC	8,245	1268 lb (575 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
IMT	910 RCS	8,509	1323 lb (600 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	4.2
IMT	1030 MCS	9,281	1102 lb (500 kg) @ 45'6"	53' 4" (16.3 m)	45' 6" (13.9 m)	7 ft	2172 lb (985 kg)	4.3
IMT	10/72 SL	9,722	1190 lb (540 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2172 lb (985kg)	4.6
IMT	1230 MCS	10,163	1213 lb (550 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	4.6
IMT	10/72 DL	10,384	1124 lb (510 kg) @ 45'7"	53' 4" (16.3 m)	45' 11" (14 m)	7 ft	2005 lb (1000 kg)	4.6
IMT	12/86 SL	10,626	1301 lb (590 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2381 lb (1080 kg)	5
IMT	12/86 DL	10,670	1279 lb (580 kg) @ 48'10"	56' 5" (17.2 m)	49' 2" (15 m)	7 ft	2458 lb (1115 kg)	5.1
IMT	1430 MCS	11,023	926 lb (420 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.1
IMT	1610 RCS	11,684	1169 lb (530 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2889 lb (1310 kg)	5.5
IMT	1620 RCS	12,280	1146 lb (520 kg) @ 56'4"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	2,999 lb (1360 kg)	5.9
IMT	1910 RCS	13,448	1543 lb (700 kg) @ 56'5"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3021 lb (1370 kg)	5.9
IMT	32/222	15,058	1764 lb (800 kg) @ 69'6"	77' 10" (23.7 m)	69' 11" (21.3 m)	7 ft 9 in	5710 lb (2590 kg)	9.5
IMT	1920 RCS	15,631	1543 lb (700 kg) @ 48'11"	65' (19.8 m)	56' 9" (17.3 m)	7 ft 4 in	3131 lb (1420 kg)	6.4
IMT	2310 RCS	16,204	1080 lb (490 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	3869 lb (1800 kg)	6.7
IMT	40/275	19,025	2225 lb (1010 kg) @ 69'10"	79' 1" (24.1 m)	69' 11" (21.3 m)	7 ft 10 in	6945 lb (3150 kg)	9.7
IMT	2810 RCS	20,018	1521 lb (690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4178 lb (1895 kg)	7.4
IMT	2320 RCS	20,260	1080 lb (490 kg) @ 70'5"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4145 lb (1880 kg)	6.9
IMT	2820 RCS	20,260	1521 lb (690 kg) @ 70'6"	79' 1" (24.1 m)	70' 10" (21.6 m)	7 ft 6 in	4365 lb (1980 kg)	7.4
IMT	50/345	22,840	3085 lb (1400 kg) @ 70'3"	78' 11" (24.1 m)	70' 3" (21.4 m)	7 ft 10 in	7959 lb (3610 kg)	11.4
IMT	7020	30,490	4519 lb (2050 kg) @ 66'11"	76' 1" (23.2 m)	67' 7" (20.6 m)	8 ft 1 in	9844 lb (4465 kg)	13.9
IMT	9520	40,433	6305 lb (2860 kg) @ 65'11"	72' 2" (22 m)	66' 7" (20.3 m)	8 ft 2 in	12,500 lb (5670 kg)	17.2
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	
Palfinger	PK 4200	2,183	660@36 ft 5 in	n/s	36 ft 5 in	n/s	1082	
Palfinger	PC 1500	2,200	950@10 ft 2 in	n/s	10 ft 2 in	n/s	375	
Palfinger	PC 2700	4,400	1100@16 ft 6 in	n/s	16 ft 6 in	n/s	478	
Palfinger	PC 3800	4,400	1600@16 ft 6 in	n/s	16 ft 6 in	n/s	570	
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1,530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1,650	3.31
Palfinger	PK 5.501 SLD 5	7,300	750@36 ft 5 in	n/s	36 ft 5 in	n/s	1,600	

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 7.501 SLD 5	7,300	1060@36 ft 9 in	n/s	36 ft 9 in	n/s	1,720	
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2,770	6.2
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2,320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2,510	5.7
Palfinger	PK 12.501 SLD 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	
Palfinger	PK 24.001 SLD	13,700	2700@48 ft 11 in	n/s	47 ft 11 in	n/s	4,980	
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5,694	8.89
Palfinger	PK 35.502 TEC	22,046	2000@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	
Palfinger	PK 37.002 TEC	22,046	2150@71 ft 6 in	n/s	71 ft 6 in	n/s	6,770	
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 32080	18,740	3950@46 ft 7 in	n/s	46 ft 7 in	n/s	6,900	
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	
Palfinger	PK 46002	34,170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	17.085
Palfinger	PK 45.002 TEC	34,390	2800@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	
Palfinger	PK 48.002 TEC	34,390	3050@69 ft 7 in	n/s	69 ft 7 in	n/s	9,480	
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	16.79
Palfinger	PK 53002-SH	39,462	3476@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	
Palfinger	PK 55.002 TEC	41,890	3650@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	
Palfinger	PK 58.002 TEC	41,890	3950@69 ft 7 in	n/s	69 ft 7 in	n/s	10,295	
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	22
Palfinger	PK 65002-SH	48,500	4600@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	24.25
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13,029	23
Palfinger	PK 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13,025	27.56
Palfinger	PK 110002-SH	66,140	6900@72 ft 2 in	n/s	72 ft 2 in	n/s	19,466	33.07
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	30
Palfinger	PK 92002-SH	66,200	5400@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	33.1
Palfinger	PK 135.002 TEC	66,200	8400@72 ft 0 in	n/s	72 ft 0 in	n/s	22,420	
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70,600	35.3
Palfinger	PK 200002L-SH	88,200	8700@ 84 ft 0 in	n/s	83 ft 12 in	n/s	n/s	44.1

ARTICULATING CRANES BY CAPACITY

Manufacturer	Model	Maximum Lifting Capacity (pounds)	Load at Maximum 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	1,740	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	2,193	407 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	881	1
Fassi	F28A.0.23	2,193	440 lbs @ 26 ft 4 in	31 ft 4 in	7 ft 10 in	4 ft 11 in	1,025	1
Fassi	F38A.0.23	2,193	507 lbs @ 28 ft 8 in	33 ft 10 in	13 ft 1 in	5 ft 2 in	1,267	1
Fassi	M10A 12	2,194	661 lbs @ 11 ft 7 in	15 ft 7 in	5 ft 2 in	3 ft 11 in	396	1
IMT	3.2/23	2,195	960 lb (435 kg) @ 23'4"	29' 3" (8.9 m)	23 ft 7 in (7.2 m)	5 ft 3 in	920 lb (418 kg)	1.1
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

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	4,410	540 @ 41 ft 0 in	50 ft 3 in	34 ft 5 in	6 ft 3 in	1,945	2.205
Fassi	F50A.0.24	5,004	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1,653	2.5
Manitex Articulating Crane (MAC)	9.5 P	5,290	760 @ 41 ft 10 in	51 ft	40 ft 8 in	6 ft 6 in	2,340	2.6
Effer	65	5,835	7 ft 11 in	46 ft 1 in	34 ft 1 in	78 in	1,740	2.9
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
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
Effer	80	6,250	8 ft 4 in	46 ft 4 in	35 ft 4 in	82 in	2,015	3.1
Fassi	F600SE.44	6,600	1,390 lbs @ 100 ft	1,121 ft	100'	9'5"	17,195	3.3
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1,530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1,650	3.31
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
Effer	100	7,735	7 ft 11 in	45 ft 7 in	34 ft 7 in	85 in	2,380	3.8
IMT	810 MCS/RC	8,245	1268 lb (575 kg) @ 36'1"	42' 5" (12.9 m)	36' 1" (11 m)	6 ft 2 in	1466 lb (665 kg)	3.8
Fassi	F85B.0.24	8,377	903 lbs @ 43 ft 31 in	50 ft 4 in	30 ft 7 in	6 ft 5 in	2,579	4
Manitex Articulating Crane (MAC)	16.5 S	8,070	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,255	4.035
IMT	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
Fassi	F425SE.04	9,000	3,550 @ 61'	72 ft 11 in	61'	9'5"	10,000	4.5
Effer	145	9,180	9 ft 8 in	66 ft 1 in	55 ft 1 in	89 in	3,679	4.6
IMT	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
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
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
Effer	165	10,955	9 ft 2 in	65 ft 4 in	54 ft 4 in	90 in	4,010	5.5
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
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2,320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2,510	5.7
Palfinger	PK 12.501 SLD 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
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
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
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
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 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2,770	6.2
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 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2,425	6.3
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
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
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
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
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
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
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
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

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	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
Effer	225	15,990	9 ft 8 in	60 ft 0 in	55 ft 7 in	92 in	6,250	8.1
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
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
Effer	265	17,855	9 ft 8 in	67 ft 7 in	55 ft 7 in	92 in	6,250	8.9
Manitex Articulating Crane (MAC)	38.5 SP	17,990	2160 @ 70 ft 8 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,835	8.995
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6,340	9.09
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	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
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	40/275	19,025	2225 lb (1010 kg) @ 69'10"	79' 1" (24.1 m)	69' 11" (21.3 m)	7 ft 10 in	6945 lb (3150 kg)	9.7
Fassi	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	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	F335A.2.28	20,943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500	10.5
Fassi	F335RA.2.28	20,943	529 lbs @ 94 ft 3 in	109 ft 3 in	63 ft 3 in	8 ft 6 in	12,500	10.5
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	11
Effer	315	22,640	8 ft 10 in	81 ft 9 in	69 ft 9 in	93 in	7,195	11.3
IMT	50/345	22,840	3085 lb (1400 kg) @ 70'3"	78' 11" (24.1 m)	70' 3" (21.4 m)	7 ft 10 in	7959 lb (3610 kg)	11.4
Effer	375	24,165	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.1
Effer	395	25,570	9 ft 5 in	82 ft 1 in	70 ft 1 in	95 in	8,320	12.8
Fassi	F385A.2.28	26,455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500	13
Fassi	F385RA.2.28	26,455	727 lbs @ 94 ft 5 in	107 ft 5 in	72 ft 9 in	8 ft 6 in	17,500	13
Manitex Articulating Crane (MAC)	47.5 SP	27,340	2570 @ 76 ft 1 in	112 ft 7 in	100 ft 7 in	8 ft 2 in	9,205	13.67
Manitex Articulating Crane (MAC)	48.5 SP	27,340	2570 @ 76 ft 7 in	113 ft	101 ft 1 in	8 ft 2 in	9,625	13.67
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
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	14.2
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
Manitex Articulating Crane (MAC)	65 SP	30,530	3970 @ 71 ft 6 in	119 ft	101 ft 10 in	8 ft 4 in	13,151	15.26
Effer	455/505	31,305	9 ft 10 in	82 ft 9 in	70 ft 9 in	96 in	11,195	15.6
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
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
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9,140	16.79
Franna	AT 15-3	33,000	2300 lb at 52 ft	55 ft 9 in	45 ft 5 in	9 ft 10 in	35,300	17
Palfinger	PK 46002	34,170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8,490	17.085
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
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
Effer	655/685	41,300	9 ft 6 in	87 ft 5 in	75 ft 5 in	97 in	12,420	20.6
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
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	22
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13,029	23
Fassi	F800RA.2.28	48,501	727 lbs @ 109 ft 10 in	124 ft	75 ft 9 in	8 ft 6 in	17,600	24
Fassi	F950RA.2.28	48,501	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	19,000	24
Franna	AT 22	48,500	3700 lb at 51 ft 10 in	55 ft 9 in	45 ft 5 in	10 ft 2 in	44,100	24
Manitex Articulating Crane (MAC)	210 SP	48,150	8440 @ 86 ft 7 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085	24.075
Palfinger	PK 65002-SH	48,500	4600@66 ft 11 in	n/s	66 ft 11 in	n/s	11,111	24.25
Effer	1355	51,145	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23,445	25.5
Effer	855	52,685	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	26.3
Franna	MAC 25-4	55,100	3900 lb at 51 ft 6 in	59 ft	60 ft 5 in	10 ft 2 in	52,700	27
Manitex Articulating Crane (MAC)	150 SP	54,010	8430 @ 71 ft 10 in	138 ft	113 ft 4 in	8 ft 8 in	24,585	27
Effer	955	54,780	9 ft 6 in	82 ft 6 in	75 ft 3 in	98 in	15,895	27.3
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

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 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13,025	27.56
Fassi	F1950RAL.2.28	58,973	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	29
Effer	1405	52,025	13 ft 7 in	84 ft 3 in	72 ft 3 in	101 in	23545	29.4
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	30
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
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 92002-SH	66,200	5400@73 ft 10 in	n/s	73 ft 10 in	n/s	14,947	33.1
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70,600	35.3
Effer	1750	63,380	14 ft 2 in	76 ft 8 in	64 ft 8 in	104 in	26,565	37.2
Effer	2655	60,185	15 ft 0 in	104 ft 11 in	90 ft 0 in	108 in	37,367	37.6
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
Franna	AT 40	88,100	6600 lb at 51 ft 5 in	62 ft 4 in	65 ft	11 ft 5 in	65,100	44
Palfinger	PK 200002L-SH	88,200	8700@84 ft 0 in	n/s	83 ft 12 in	n/s	n/s	44.1
Effer	2755	108,025	9 ft 11 in	45 ft 11 in	36 ft 10 in	83 in	56,980	54.1
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
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 5.501 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 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 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 32080	18,740	3950@46 ft 7 in	n/s	46 ft 7 in	n/s	6,900	n/s
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 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 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 135.002 TEC	66,200	8400@72 ft 0 in	n/s	72 ft 0 in	n/s	22,420	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/ft)	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
Brodersen	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
Brodersen	IC-35	1,850 lbs @ 19 ft	33 ft	7 ft 2 in - 19 ft 2 in	10 mph	7,860 lbs	5 ft	D/Dual Fuel	75	3.6	4
Brodersen	IC-40	1,850 lbs @ 19 ft	33 ft	7 ft 2 in - 19 ft 2 in	10 mph	8,920 lbs	5 ft 4 in	D/Dual Fuel	75	4.08	4.5
Brodersen	IC-80-1	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2 in	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Brodersen	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
Brodersen	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)
Broderson	IC-200-2	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft 2 in	18 mph	28,500 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	IC-200-3	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	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
Broderson	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
Broderson	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
Broderson	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	SPX312	220 lbs @ 31.5 ft	36 ft	7 to 24 ft	1.06	4019	1 ft 6 in	P+E/E	125	1.2	1.32
Jekko	SPX424	240 lbs @ 39 ft	50 ft	8 to 27 ft	1.12	5075	1 ft 6 in	D+E/E	125	2.4	2.64
Jekko	SPX429	220 lbs @ 36 ft	56 ft	8 to 27 ft	1.12	5075	1 ft 6 in	D+E/E	125	2.9	3.19
Jekko	SPX532	220 lbs @ 48 ft	56 ft	8 to 34 ft	1.7	5698	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	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	4 ft 8.4 in	D+E/E	125	8	8.8
Jekko	JF365	520 lbs @ 88 ft	96 ft	49.3 ft	1.5	27120	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	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	6 ft	D+E	125	15.5	17.08
Jekko	JF990	1795 lbs @ 104 ft	113 ft	65.6 ft	1.4	47300	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	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	3 ft 1 in	E	125	0.88	1.1
Jekko	MPK20	880 lbs @ 9 ft	19 ft	5 to 13 ft	1.9	3200	3 ft 1.2 in	E	125	2	2.2
Jekko	MPK50	1540 lbs @ 20 ft	31 ft	9 to 22 ft	6.4	9790	10 ft 8 in	E	125	5	5.5
JMG	MC20	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	4,400	3in 1 ft	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	4,400	3in 1ft	E	n/s	2	2.2
JMG	MC22	550 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	4,500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC22	550 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	4,500	3in 1ft	E	n/s	2.18	2.4
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC32	1030 lbs @ 13in 1 ft	22 ft	11ft /13in 1ft	3	6,750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft /13in 1ft	3	6,750	3in 2ft	E	n/s	3.18	3.5
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft /13in 11ft	5	10,500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft /13in 11ft	5	10,500	5in 1ft	E	n/s	4.5	4.95
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5ft	E	n/s	6	6.6
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7 ft	E/D	n/s	8.5	9.35
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7ft	E/D	n/s	8.5	9.35
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5ft	E/D	n/s	11	12.1
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9ft	E	n/s	16.04	17.65
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50,400	7in 3 ft	E	n/s	22.04	24.25
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50,400	7in 3ft	E	n/s	22.04	24.25
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59,800	7in 5 ft	E	n/s	30	33
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59,800	7in 5ft	E	n/s	30	33
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6 ft	E	n/s	45.09	49.6
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6ft	E	n/s	45.09	49.6
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10f t	E	n/s	50.09	55.1
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10ft	E	n/s	50.09	55.1
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10 ft	E	n/s	60	66
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10ft	E	n/s	60	66
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft3 in	D/LPG	0.85	36	40
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft 11 in	D/LPG	0.85	68	75

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	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
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	30,850	82 in	Battery/Diesel	125	12	13.2
Manitex Valla	180	6600 lbs @ 24 ft	35 ft	176	5	41,850	86 in	Battery/Diesel	125	18	19.8
Manitex Valla	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	53,350	90 in	Battery Diesel	125	25	27.5
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70,550	92 in	Battery	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	30IE	10582lbs@26ft	40 ft	16.5-40ft	3.9	39683	6 ft 10 in	E	n/s	30	33.07
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	2,100	31 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW094	440 lbs @ 16.96 ft	22 ft	5.675 ft - 22 ft	1.5	2,500	23 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW095	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW2055	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW506	390 lbs @ 49.9	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
SPYDERCRANE	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2
SPYDERCRANE	URW376	280 lbs @ 47.3 ft	58 ft w/ jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
SPYDERCRANE	URW547	220 lbs @ 58.5	64 ft	13.1 ft - 59.1 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	4.04	4.5
SPYDERCRANE	URW706	550 lbs @ 61 ft	80 ft w/ jib	15.7 ft - 63 ft	2.5	17,600 - 18,000	64 in	220V/D/110V/Battery	n/s	6.04	6.7
UPequip/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1,500	29.5 in	Battery	125	0.7	0.7
UPequip/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4,730	29.5 in	D/E	125	2.4	2.6
UPequip/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6,170	29.5 in	D/E / Battery	125	3.1	3.5
UPequip/Hoeflon	C10	460 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.88	10,358	31.5 in	D/E	125	5.2	4.5
UPequip/Hoeflon	C30	885 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.25	19,800	48 in	Battery	125	9.9	4.5

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Jekko	MPK06	363 lbs @ 8.5 ft	13 ft	3 to 9 ft	2.2	1653	2 ft 6 in	E	125	0.6	0.66
UPequip/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1,500	29.5 in	Battery	125	0.7	0.7
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	0.88	0.97
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	2,100	31 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW094	440 lbs @ 16.96 ft	22 ft	5.675 ft - 22 ft	1.5	2,500	23 in	220V/110V/Battery	n/s	0.9	1
SPYDERCRANE	URW095	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	0.9	1
Jekko	MPK10	639 lbs @ 8.2 ft	16.4 ft	5 to 11 ft	2.3	2667	3 ft 1 in	E	125	0.88	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
Jekko	SPX312	220 lbs @ 31.5 ft	36 ft	7 to 24 ft	1.06	4019	1 ft 6 in	P+E/E	125	1.2	1.32
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	1.36	1.5
Jekko	MPK20	880 lbs @ 9 ft	19 ft	5 to 13 ft	1.9	3200	3 ft 1.2 in	E	125	2	2.2
JMG	MC20	550 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	2.5	4,400	3in 1 ft	E	n/s	2	2.2
JMG	MC20	550 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	2.5	4,400	3in 1ft	E	n/s	2	2.2
JMG	MC22	550 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	3	4,500	3in 1 ft	E	n/s	2.18	2.4
JMG	MC22	550 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	3	4,500	3in 1ft	E	n/s	2.18	2.4
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
UPequip/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4,730	29.5 in	D/E	125	2.4	2.6
Jekko	SPX424	240 lbs @ 39 ft	50 ft	8 to 27 ft	1.12	5075	1 ft 6 in	D+E/E	125	2.4	2.64
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	2.5	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft/12in 11ft	3	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	2.5	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft/12in 11ft	3	5,500	3in 1ft	E	n/s	2.5	2.75
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	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
Jekko	SPX429	220 lbs @ 36 ft	56 ft	8 to 27 ft	1.12	5075	1 ft 6 in	D+E/E	125	2.9	3.19
SPYDERCRANE	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2
SPYDERCRANE	URW376	280 lbs @ 47.3 ft	58 ft w/ jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
Jekko	SPX532	220 lbs @ 48 ft	56 ft	8 to 34 ft	1.7	5698	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	6,750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft/13in 1ft	3	6,750	3in 2ft	E	n/s	3.18	3.5
UPequip/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6,170	29.5 in	D/E /Battery	125	3.1	3.5
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
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
UPequip/Hoeflon	C10	460 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.88	10,358	31.5 in	D/E	125	5.2	4.5
UPequip/Hoeflon	C30	885 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.25	19,800	48 in	Battery	125	9.9	4.5
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft/14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft/13in 11ft	5	10,500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft/14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft/13in 11ft	5	10,500	5in 1ft	E	n/s	4.5	4.95
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10500	5 ft	Battery	75	4.5	5
Jekko	SPX650	330 lbs @ 65 ft	77 ft	13 to 50 ft	1.8	27385	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	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	14,300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft/18in 1ft	5	14,300	5in 5ft	E	n/s	6	6.6
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	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

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)
Broderson	IC-80-1	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2 in	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-2	3,100 lbs @ 24 ft	41 ft	9 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
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	20,000	5in 7 ft	E/D	n/s	8.5	9.35
JMG	MC85	3600 lbs @ 15in 8ft	26 ft	1in 8ft /15in 8ft	5	20,000	5in 7ft	E/D	n/s	8.5	9.35
Manitex	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	V120R	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	29,650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5ft	E/D	n/s	11	12.1
Jekko	JF365	520 lbs @ 88 ft	96 ft	49.3 ft	1.5	27120	5 ft 10.8 in	D+E	125	11.5	12.67
Manitex Valla	120	3970 lbs @ 25 ft	33 ft	159	5.6	30,850	82 in	Battery/Diesel	125	12	13.2
Broderson	IC-200-2	4,200 lbs @ 36 ft	45 ft 4 in	15 ft 2 in - 36 ft 2 in	18 mph	28,500 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
Broderson	IC-200-3	2,600 lbs @ 50 ft	58 ft 8 in	15 ft 6 in - 50 ft 6 in	18 mph	31,080 lbs	7 ft 10-1/2 in	D/Dual Fuel	75	13.6	15
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
Jekko	JF545	738 lbs @ 92 ft	100 ft	53.3 ft	1.3	29762	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	6 ft	D+E	125	15.5	17.08
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9ft	E	n/s	16.04	17.65
Broderson	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	41,850	86 in	Battery/Diesel	125	18	19.8
Broderson	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
Broderson	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	7 ft	D+E	125	21.5	23.7
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50,400	7in 3 ft	E	n/s	22.04	24.25
JMG	MC220	8200 lbs @ 25in 3ft	38 ft	3in 3ft /25in 3ft	5	50,400	7in 3ft	E	n/s	22.04	24.25
Broderson	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
Manitex Valla	250	4180 lbs @ 33 ft	45 ft	191	5	53,350	90 in	Battery Diesel	125	25	27.5
Ormig	20/25TM	9259lbs@25ft	40 ft	17-40ft	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	59,800	7in 5 ft	E	n/s	30	33
JMG	MC300	10100 lbs @ 27in 8ft	42 ft	3in 3ft /27in 8ft	5	59,800	7in 5ft	E	n/s	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Lift Systems	MBL033	20,800 lbs@20.5 ft	33 ft	15-30 ft	1.7	36,000	6 ft0 in	D/LPG	0.85	30	33
Ormig	30IE	10582lbs@26ft	40 ft	16.5-40ft	3.9	39683	6 ft 10 in	E	n/s	30	33.07
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft 3 in	D/LPG	0.85	36	40
Lift Systems	TWL040	24,100 lbs@19 ft	30.5 ft	13-29 ft	1.7	32,000	7 ft3 in	D/LPG	0.85	36	40
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70,550	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
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6 ft	E	n/s	45.09	49.6
JMG	MC450	13900 lbs @ 27in 11ft	40 ft	3in 3ft /27in 11ft	5	70,500	7in 6ft	E	n/s	45.09	49.6
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10f t	E	n/s	50.09	55.1
JMG	MC500	14300 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	83,600	7in 10ft	E	n/s	50.09	55.1
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	85,800	7in 10 ft	E	n/s	60	66
JMG	MC600	15400 lbs @ 30in 5ft	45 ft	3in 3ft /30in 5ft	3	85,800	7in 10ft	E	n/s	60	66
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft10 in	D/LPG	0.85	68	75
Ormig	75tm	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	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Manitex Valla	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	100IE	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
Ormig	16TME	5291lbs@22ft	34 ft	15-35ft	7.57	31746	7 ft 50 in	E	n/s	16	17.64
Ormig	25TME	9259lbs@25ft	40ft	17-40ft	6.42	45194	8 ft 20 in	E	n/s	25	27.56
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	45TME	17416lbs@29ft	46ft	20-47ft	3.34	63934	9 ft	E	n/s	45	49.59
Ormig	5.5TME	1660lbs@19ft	29.52 ft	12.46/31.16ft	3	15652	5 ft	E	n/s	5.5	6.06
Ormig	55/60IE	19180 lbs@28 ft	42 ft	19-43ft	3.9	52910	7 ft7in	E	n/s	60	66.1

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		30
Shuttlelift	DB 30	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		30
Shuttlelift	SL 35II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		35
Shuttlelift	SB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	DB 50	25 (customizable)	25 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	SL 50II	20 (customizable)	20 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		50
Shuttlelift	SB 70	25 (customizable)	30 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		70
Shuttlelift	SL 75II	22 (customizable)	21 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		75
Shuttlelift	SL 85II	25 (customizable)	24 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		85
Shuttlelift	DB 90	30 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		90
Shuttlelift	DB 110	30 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		110
Shuttlelift	SB 120	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		120
Shuttlelift	SB 150	40 (customizable)	40 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		150
Shuttlelift	SL 150II	30 (customizable)	28 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		150
Shuttlelift	DB 165	35 (customizable)	40 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		165
Shuttlelift	DB 200	40 (customizable)	50 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		200
Shuttlelift	SL 200II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		200
Shuttlelift	SL 250II	32 (customizable)	30 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		250
Shuttlelift	SL 300	34 (customizable)	32 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		300
Shuttlelift	SL 500	40 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		500
Shuttlelift	SL 620	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		620
Shuttlelift	SL 700	45 (customizable)	38 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		700
Shuttlelift	SL 820	50 (customizable)	48 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		820
Shuttlelift	SL 25II	18 (customizable)	17 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		25
Shuttlelift	DB 70	25 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		70

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)
Shuttlelift	SL 100II	28 (customizable)	26 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		100
Shuttlelift	SB 100	35 (customizable)	35 (customizable)	4	Yes	2 wheel 90 degree or All Wheel		100
Shuttlelift	SL 400	37 (customizable)	35 (customizable)	8	Yes	2 wheel 90 degree or All Wheel		400
Shuttlelift	SL 1000	55 (customizable)	55 (customizable)	16	Yes	2 wheel 90 degree or All Wheel		1,000
Shuttlelift	SL 1250	55 (customizable)	55 (customizable)	16	Yes	All wheel		1,250

RUBBER TIRED GANTRY CRANES BY CAPACITY

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

Disclaimer: ACT is not responsible for errors or omissions.

America's Trailer Company/Cozad Trailers

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

Aspen Custom Trailers

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

Access World Logistics

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

Buckingham Structural Moving Equipment

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

Durabilt by Durbin

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

E.D. Etnyre & Co.

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

Eager Beaver Trailers

14893 US-27
Lake Wales, FL 33859 USA
(800) 257-8163
Tina Flowers, National Sales Manager
www.EBTrailers.com
Manufactures lowbed and equipment

hauling semitrailers from 6 to 100-ton capacities. Eager Beaver Trailers is a registered brand name of General Engines Company.

Elk River Machine Company

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

Enerpac

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

Engineered Rigging

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

EnTrans International, LLC

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

Fagioli, Inc.

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

Faymonville Distribution AG

Duarefstrooss 8, 9990
Weiswampach, Luxembourg
352 26 90 04 155
Paul Hönén, Sales
www.faymonville.com
Faymonville provides customers

optimal solutions and systems for any transport need. The full product range encloses telescopic and steerable trailers, double drop trailers, dual lane trailers or modular trailers.

Fontaine Heavy-Haul

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

Gem State Mfg./TrailMax

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

Goldhofer Inc.

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

Greenfield Products

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

HMR Supplies

35545 Hwy 69
Forest City, IA 50436 USA
(641) 585-3630
Chris Holland, President
www.hmr-supplies.com
HMR Supplies designs and manufactures high-capacity heavy material transport equipment. The company designs and executes plans to handle and transport large items safely and cost effectively.

International Specialized Trailer

526 4th Avenue SW
New London, MN 56273 USA

(320) 354-1590
Brad Looman, Owner
www.isttrailers.com
A heavy haul and wind power transport specialist.

Kalyn/Siebert Inc.

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

KAMAG Transporttechnik

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

Kitchen's Crane & Equipment

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

KTSDI-Kessler

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

K-Line Trailers Ltd.

27360 - 58th Crescent
Langley BC V4W 3W7 Canada
(604) 856-7899
David Knight, President
www.klinetrailers.com
K-Line builds specialized dump bodies and lowbeds, and a line of heavy haul trailers that serve overdimensional and specialized markets.

Lampson International

607 E. Columbia Drive
Kennewick, WA 99336 USA
(509) 586-0411
William Lampson, President & CEO

www.lampsoncrane.com
Lampson International is a single source for all heavy lift and transport needs from conventional crane rentals, to heavy lift and transport engineering, to the provision and engineering of extreme capacity lift and transport equipment.

Landoll Corporation

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

Loadcraft Industries Ltd.

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

Load King

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

Mammoet Americas

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

MSA Delivery

4290 Hannan Road
Canton, MI 48188
Jerry Rozum, President
www.msadelivery.com
MSA Delivery provides transportation solutions for all specialized transportation needs within the U.S., Canada and Mexico.

Nelson Manufacturing

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

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

NICOLAS Industrie S.A.S

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

Precision Enterprises Inc.

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

Ridewell Suspensions

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

Rigging Gear Sales

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

Rogers Brothers Corp.

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

SCHEUERLE

Fahrzeugfabrik GmbH
Otto-Rettenmaier-Str. 15
Pfedelbach 74629 Germany
49 7941 691-0
Roland Fischer, Area Manager, Sales
www.scheuerle.com
Scheuerle develops and produces heavy duty vehicles for applications such as offshore, air and space travel industry, shipyards, plant construction or heavy goods.

Siebert Wind

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

Talbert Manufacturing, Inc.

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

Temisko 1983 Inc.

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

Thru-Way Trailers

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

Tradelossa

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

Trail King Industries Inc.

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

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

Trail-Eze Trailers

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

TransMaster Trailers

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

TransWorld Manufacturing

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

TSP (Transport Systems And Products, Inc.)

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

X-L Specialized Trailers Inc.

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

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

Committed to building
careers in the global
construction industry



LAWSONS

GLOBAL CONSTRUCTION RECRUITMENT



WORK WITH US

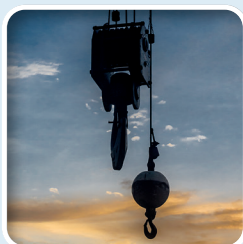
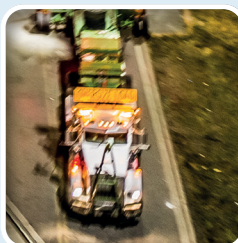
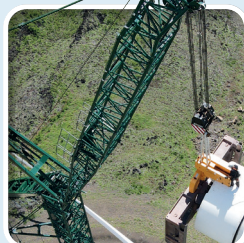
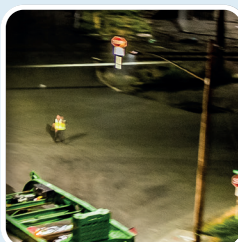
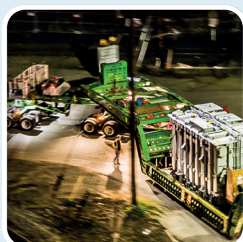
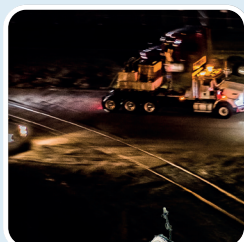
We deliver unrivalled professional recruitment and talent services within the international construction and lifting sectors

✉ info@lawsons.com

☎ +44 (0)1892 786269 to find out more

#JOINLAWSONS

www.lawsons.com



Associations	126
Auctions/Used Crane Sales	126
Control Devices	127
Crane Manufacturers	128
Crane Mats, Pads & Cribbing	131
Engineering Services	132
Escort/Pilot Car & Bucket Truck Services	132
Fall Protection	133
Financial Services	134
Freight Forwarding/Logistics	135
Insurance/Risk Management	136
Marine Services	137
OEM Components	137
Operator Assist Devices	139
Permitting Services	140
Product Support/Repair	141
Rigger Trucks	141
Rigging Gear/Hardware & Wire Rope	142
Safety Equipment & Products	150
Software	151
Specialized Rigging/Lifting Manufacturers	152
Training Certification & Inspection Services	154

ASSOCIATIONS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
American National Standards Institute Inc. (ANSI)	25 West 43rd Street, New York, NY 10036	USA	(212) 642-4946	www.ansi.org	Joe Bhatia President/CEO
American Rental Association	1900 19th Street, Moline, IL 61265	USA	(800) 334-2177	www.ararental.org	Chris Wehrman CEO
American Wind Energy Association	1501 M St. NW, Suite 1000 Washington, DC 20005	USA	(202) 383-2500	www.cleanpower.org	Tom Kiernan CEO
Associated Equipment Distributors	600 W. 22nd Street Suite 220 Oak Brook, IL 60523	USA	(630) 574-0650	www.aednet.org	David Gordon VP of Sales
Associated General Contractors	2300 Wilson Blvd, Ste 400 Arlington, VA 22201	USA	(703) 548-3118	www.agc.org	Stephen Sandher CEO
Associated Wire Rope Fabricators	P O Box 748 Walled Lake, MI 48390	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 Vlamming 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 LLC	1033 W. Main St. Centre, AL 35960	USA	(256) 927-5263	www.american-auctioneers.com	Keith Baldwin President
Bar None Auction	2440 Gold River Road, Suite 200, Rancho Cordova, CA 95670	USA	(866) 372-1700	www.barnoneauction.com	Brian Wahlster General Manager, Sacramento
Berryhill Auctioneers	3901 Dendron Drive Flower Mound, TX 75028	USA	(972) 874-1222	www.berryhillauctioneers.com	Ray Berryhill Owner
Bunch Bros Auctioneers	P O Box 175 Wingo, KY 42088	USA	(270) 376-2992	www.bunchbrothers.com	Steve Bunch
Crane Network	400 E. Illinois Street, Suite B Lemont, IL 60439	USA	(214) 612-7626	www.cranenetwork.com	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
Dovebid Auctions	1900 O'Farrell, Ste 325 San Mateo, CA 94403	USA	(800) 665-1042	www.go-dove.com	Thomas Burton Executive Vice President
DSA Don Smock Auction Company	6531 S State Road 13 Pendleton, IN 46064	USA	(765) 778-9277	www.dsaauctions.com	Donald Smock CEO

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 Inc	2236 Hwy 49 Brooklyn, MS 39425	USA	(601) 450-6200	www.jeffmartinauctioneers.com	Jeff Martin Owner
Martin Auction Services LLC	9515 Texas Church Road Clinton, IL 61727	USA	(217) 935-3245	www.martinauction.com	Rob Nord Owner
Musser Bros Auctioneers	3035 Rickenbacker Drive Pasco, WA 99301	USA	(509) 416-6060	www.mbauction.com	Scott Musser Vice President
Myron Bowling Auctioneers	3901 Kraus Lane Hamilton, OH 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 LLC	1066 E US Hwy 136 Hamilton, IL 62341-0111	USA	(217) 847-2160	www.sullivanauctioneers.com	Dan Sullivan Owner
Thompson Auctioneers	3519 State Route 235 Fairborn, OH 45325	USA	(937) 426-8446	www.thompsonauctioneers.com	Steve Thompson Owner
Vocon Auctions	4747 NE 14th Street Des Moines, IA 50313	USA	(866) 218-6266	www.govocon.com	Kelly Housby and Kevin Housby Partners
West Auctions	P O Box 278 Woodland, CA 95776	USA	(530) 661-0490	www.westauction.com	Donna Bradshaw President
Yoder & Frey Auctioneers Inc	1670 Commerce Holland, OH 43528	USA	(419) 865-3990	www.yoderandfrey.com	V. Peter Clark President

CONTROL DEVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Adeunis NA, Inc.	65 Pondfield Rd., Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director of Marketing/ Communications
Cattron Group InterNational	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
Cervis, Inc.	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
Control Chief 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
Dalec Electronic Inc.	9335 W Belmont Avenue Franklin Park, IL 60131	USA	(847) 671-7676	www.dalec.com	Tom Marketing Manager
Eaton Wireless	74-1833 Coast Meridian Rd Port Coquitlam, BC V3C 6G5	Canada	(604) 944-9247	www.eaton.com	Nigel Evans Product Manager
Floodraulics Inc.	3539 N County Road 700 W, Greenfield, IN 46140	USA	(317) 890-3700	www.floodraulics.com	Tyler Ellis Marketing Manager
HBC-radiomatic, Inc.	1017 Petersburg Road Hebron, KY 41048	USA	(859) 689-6400	www.hbc-usa.com	Jeff Allan CEO
Hetronic USA	4300 Highline Blvd 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

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
JR Merritt Controls Inc.	55 Sperry Avenue Stratford, CT 06615	USA	(203) 381-0100	www.jrmerritt.com	Doug Mackay Sales
Kar-Tech, Inc.	111 Enterprise Road Delafield, WI 53018	USA	(262) 646-9444 x234	www.kar-tech.com	John Karbassi Vice President, Operations
Laird Technologies	3481 Rider Trail South Earth City, MO 63045	USA	(636) 898-6000 x1186215	www.lairdtech.com	Jannette Avila Communications and Marketing Manager
Loadwise International Ltd.	50 Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
Magnetek	N49 W 13650l 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 Inc.	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 Inc.	1572 East Parham Road Richmond, VA 23228	USA	(804) 262-4846	www.nbbcontrols.com	Frank Capetta Vice President
OEM Controls Inc.	10 Controls Drive Shelton, CT 06484	USA	(203) 929-8431	www.oemcontrols.com	Ken Fried Sales and Marketing
Orlaco Products B.V. North America	33 Confederate Avenue Jasper, GA 30147	USA	(706) 301-9227	www.orlaco.com	Peter Dove Sr. Account Manager
Robinson Engineering Company	1914 Silver Street Garland, TX 75042	USA	(972) 272-2001	www.craneboss.com	Jerry Schuman Sales and Marketing Manager
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	www.heavyindustry. trimble.com	Dawn Cirkl General Manager
Wamplfer Inc.	8091 Production Drive Florence, KY 41042	USA	(859) 342-8300 x219	www.wamplfer.com	Rod Griffith Director of Marketing

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Altec, Inc.	210 Inverness Center Drive Birmingham, AL 35242	USA	(205) 991-7733	www.altec.com	Lee Styslinger Chairman/CEO
Amco Veba	Gian Paolo Aschero Bolingbrook, IL 60440	USA	(630) 326-6900	www.fischercrane.com	Lee O'Hara
American & Ohio Locomotive Crane	811 Hopley Avenue Bucyrus, OH 44820	USA	(419) 562-6010	www.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 Co.	10700 Bigge Ave. San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Joseph Nelms Vice President
Broderon Manufacturing Corp.	14741 W. 106th Street Lenexa, KS 66215	USA	(913) 888-0606	www.bmccranes.com	George Schildhouse Inside Sales & Marketing Manager
Cargotec Inc.	12233 Williams Road 00180 Helsinki	Finland	+358 20 777 4000	www.cargotec.com	Mika Vehviläinen President
CCSI/Cormach Cranes	61 Augusta Ct. Charles Town, WV 25414	USA	(888) 229-3184	www.ccsi-cranes.com	Steve Carlson Sales & Marketing
CIFA USA Inc.	1515 County Road 1 Tiffin, OH 44883	USA	(419) 558-9891	www.cifa.com	Walter Vimercati President
COMANSA	11608 Downs Road Pineville, NC 28134	USA	(704) 588-7729	www.northamerica.comansa.com	Bill Carbeau Vice President
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 Global Business Development Leader
EZ Rig Crane	1500 Palma Dr. 2nd Floor. Ventura, CA 93003	USA	(800) 643-4387	www.ezrigcrane.com	Ray Neria Sales Manager
Fascan Intenational Inc.	4517 North Point Blvd. Baltimore, MD 21219	USA	(800) 632-7226	www.fascan.com	Bernie Faloney President/CEO
Favelle Favco	26360 FM 106 Harlingen, TX 78550	USA	(956) 428-7488	www.favellefavco.com	Michael Khoo President
Fischer Crane Co.	585 E South Frontage Road Bolingbrook, IL 60440	USA	(630) 739-6900	www.fischercrane.com	Lee O'Hara President
FM Gru	6330 148th Street Surrey, BC V3S 3C4	Canada	(604) 599-4200	www.fmgru.it	
Global Crane/Zoomlion	14702 Jersey Shore Drive, Houston, TX 77040	USA	(832) 460-3939	www.globalcranes.com	
Giuffre Bros. Cranes, Inc.	6635 South 13th Street Milwaukee, WI 53221	USA	(414) 764-9200	www.giuffre.com	Todd Proctor General Manager
Hoist Liftruck Mfg.	6499 W. 65th Street Bedford Park, IL 60638	USA	(800) 367-5600	www.hoistlift.com	Marty Flaska President
Intensus Engineering, Inc. - XCMG	3691 Route 9 Cold Spring, NY 10516	USA	(845) 265-6000	www.intensus.com	Juan Carlos Salcedo
Iowa Mold Tooling	500 Hwy 18 W Garner, IA 50438	USA	(641) 923-3711	www.imt.com	Tim Worman Bus. Dev. Manager
J&R Engineering Co., Inc.	538 Oakland Avenue Mukwonago, WI 53149	USA	(262) 363-9660	www.jrengco.com	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 Vandermolten Sales
Jost Cranes GmbH & Co. KG	Herzogplatz 30 85604 Zorneding	Germany	+49 8106 9995580	www.jost-cranes.com	Alexander Jost Managing Director
Kobelco Construction Machinery USA, Inc.	22370 Merchants Way Katy, TX 77449	USA	(281) 888-8430	www.kcmu-cranes.com	Jack Fendrick Vice President
Koenig Cranes North America	2190 A- Carpenter Street Abbotsford, BC V2T 4X2	Canada	(877) 852-2192	www.koenigcranes.com	John Majernik Specialist
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	William Lampson President & CEO
Liebherr Cranes Inc.	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Gerd Booch Area Sales Manager
Liebherr Canada	1015 Sutton Drive Burlington, ON L7L 5Z8	Canada	(800) 387-3922	www.liebherr.com	Tim Petersen Product Manager
Liebherr Cranes USA, Co. Mobile & Crawler Cranes Division	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 245-5251	www.liebherr.com	Daniel Pfitzer 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, Inc.	1505 - 7th Street East Moline, IL 61244	USA	(309) 764-9842	www.lift-systems.com	Bruce Forster President
Lift Systems, Inc. Canada	35 Longworth Ln. Woodstock, ON N4V1G6	Canada	(519) 539-0213	www.lift-systems.com	Darryl Wharram President
Liftech Consultants Inc.	344 20th Street, Suite 360 Oakland, CA 94612	USA	(510) 832-5606	www.liftech.net	Teresa Ferguson Marketing
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 President, Americas
Mammoet Canada East	2 Bluewater Road Suite 246, B4B 1G7 Bedford, Nova Scotia	Canada	(902) 450-0550	www.mammoet.com	
Mammoet Canada West	12920 - 33 Street NE T6S 1H6 Edmonton, Alberta	Canada	(780) 449-0552	www.mammoet.com	

CRANE MANUFACTURERS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Manitex International	9725 Industrial Drive Bridgeview, IL 60455	USA	(512) 942-3000	www.manitex.com	Michael Toudjarov Sales & Marketing Coordinator
Manitowoc Cranes (Grove, National Crane, Potain)	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.manitowoccranes.com	Aaron Ravenscroft President
Marine Travelift International Ltd.	12 Stratfield Park Waterlooville, Hants PO7 7XN	UK	44 (0) 2392 230 811	www.marinettravelift.com	Jason Johnson Sales Manager
Mi-Jack Products, Inc.	3111 W. 167th St. Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager
New Dafang Heavy Industry S&T Co. Ltd.	401 E 34th Street N28C New York, NY 10016	USA	(212) 845-1100		
North American Lifting Equipment (Effer)	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 929-3303	www.efferusa.com	Timothy Smith President
ORMIG SpA	Piazzale Ormig, Regione Carlovini 12/A Ovada, AL 15076	Italy	39 0143 80051	www.ormig.com	Gian Paolo Aschero
Palfinger North America	PO Box 846 Niagara Falls, ON L2E 6V6	Canada	(905) 374-3363	www.palfinger.com/en-us	Darrell Messman Manager
PM Group S.P.A	Via G. Verdi 22	Italy	39 059 936811	www.pm-group.eu	Stefano Ghesini Vice President
QMC Hydraulic Cranes	18071 Mt. Washington St Fountain Valley, CA 92708	USA	(800) 331-7959	www.qmccranes.com	Rex McAfee Manager
Riggers Manufacturing Company	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
Rigging Gear Sales, Inc.	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Bruce Forster President
Sany America	318 Cooper Circle South Peachtree City, GA 30269	USA	(678) 251-2810	www.sanyamerica.com	Xiang Wenbo President
Sarens USA	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America
Shuttlelift	49 E Yew Street Sturgeon Bay, WI 54235-1976	USA	(920) 743-8650	www.shuttlelift.com	Kurt Minten Director
Spydercrane Sales	5326 W. Mohave Street Phoenix, AZ 85043	USA	(623) 215-1000	www.spydercrane.com	
Stellar Industries Inc.	PO Box 169 Garner, IA 50438	USA	(641) 923-3741	www.stellarindustries.com	David Zrostilk President
Tadano America Corp.	4242 W. Greens Road Houston, TX 77375	USA	(281) 869-0030	www.tadanoamericas.com	Michele Olson Marketing Assistant Manager
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, Inc.	7 Old Field Road New York, NY 11733	USA	(516) 303-3004	www.towerwork.net	
Valla (A Manitex Company)	9725 Industrial Drive Bridgeview, IL 60455	USA	(708) 237-2076	www.valla-cranes.co.uk	Matthew Priest North American Distribution Manager
Wilbert TowerCranes GMgH	Lohrgraben 2 55444 Stromberg Waldlaubersheim	Germany	+49 6707 66680	www.wilbert.de	Guenter Kronewitter Sales Director
Wolffkran Inc.	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, Inc.	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 Co.	6422 McGrew Houston, TX 77087	USA	(800) 671-0694	www.amtmat.com	Mike Robbins Owner
Beasley Forest Products Inc.	P O Box 788 Hazlehurst, GA 31539	USA	(912) 375-5174	www.beasleyforestproducts.com	Rabun Beasley Owner
Better Header	10 Duntun Avenue Deer Park, NY 11729	USA	(631) 242-1962	www.betterheader.com	Mark Foscolo Principal
Bigfoot Construction Equipment Inc.	1111 Broadway Court Woodstock, IL 60098	USA	(888) 743-7320	www.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 Inc.	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, Inc.	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, Inc.	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 Inc.	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 Ltd	770 Maple Lebanon, PA 17046	USA	(717) 270-5600	www.nylacast.com	Tanver Ali Sales & Marketing Director
Paul Davis Inc.	144 Sawmill Road Amite, LA 70422	USA	(985) 748-7980	www.pauldavisinc.com	Zachary Davis Salesperson
Prime Tech, Inc.	1210 Warsaw Road, Suite 1200 Roswell, GA 30076	USA	(770) 594-8608	www.primetechpads.com	Antje Price President
Quality Mat Company	6550 Tram Road Beaumont, TX 77713	USA	(800) 227-8159	www.qmat.com	Joe Penland 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 Co.	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.dearbornco.com	Michael T. Walsh President
Haag Engineering	625 Industrial Blvd Sugarland, TX 77479	USA	(281) 313-9700	www.haagglobal.com	Jim Wiethorn Chairman
Howard Shapiro & Associates	303 Merrick Road Suite 400 Lynbrook, NY 11563	USA	(516) 791-2600	www.hisassoc.com	Howard Shapiro, P.E.
Landmark Engineering	2489 Rice Street, Suite 204, Roseville, MN 55113	USA	(651) 482-9750	www.landmarkengineering services.com	Ronald M. Kohner President
Pellow Engineering Services, Inc.	12615 Briar Drive Leawood, KS 66209	USA	(913) 663-0133	www.donpellow.com	Donald Pellow President
Rigging Associates	2144 5th Avenue W Seattle, WA 98149	USA	(206) 817-4939		Michael Lyons Owner
Ruby + Associates	3044 Northwestern Highway, Farmington Hills, MI 48334	USA	(248) 865-8855	www.rubyusa.com	Tricia Huneke President/CEO
Stroh Engineering	102 Vanderbilt Avenue Babylon, NY 11704	USA	(631) 669-7531	www.strohengineering.com	Peter Stroh President
Universal Engineering Services Inc.	7013 6th Street North Oakdale, MN 55128	USA	(615) 714-0552	www.ues.net	Frank Monteiro President

ESCORT/PILOT CAR & BUCKET TRUCK SERVICES

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

Linda's Truck Escorting Service, Inc.	7321 Ringertown Road Export, PA 15632	USA	(724) 468-5019		Linda L. Kuhn President
Morrell Oversize	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	morrelloversize.com	Terry Morrell Owner
National Pilot Car Safety Institute	2233 NE 244th Ave., Suite E-4, Wood Village OR 97060	USA	(503) 328-8520	www.npcsi.net	Steven Barnes Director
New York Truck Escort & Permits, Inc.	792 Frankford Road West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckescorts.com	Maureen Mandich President
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 LLC	P O Box 864 Williston, SC 29853	USA	(803) 266-5149	www.pilotcarz4u.com	Kay Greene-Smith Owner
Pyramid Escort Service	6321 Branderham Dr Memphis, TN 38134	USA	(901) 508-1806		Scott Sartin Vice President
Redneck Enterprises	P.O. Box 734 Ignacio, CO 81137-0734	USA	(970) 884-2369		Dale W. Baird Owner
Route America	P O Box 1409 Frankfort, KY 40602	USA	(866) 577-6883 x222	www.routeamerica.com	Jim Simpson President
Sapphire Rose Pilot Car, Inc.	P.O. Box 115 Converse, TX 78109	USA	(210) 661-6441	www.sapphirerosepilotcar.com	Vickie Simmons President
State Line Pilot Car	4052 Stoddard Road Canandaigua, NY 14424	USA	(585) 394-9364	www.statelinepilotcar.com	Freddie Albrecht Owner
Statewide-Nationwide Bucket Truck Escorts	1411 W. 34th Street Houston, TX 77018-6211	USA	(713) 476-9101	www.buckettruckescorts.com	Billy D. Ralls President/CEO
Sunshine Flag Car Service	P.O. Box 262 Hershey, PA 17033	USA	(717) 534-1213		Thomas Alexander President
Sweet 'P' Express - Escort Service	4038 Route 20 Esperance, NY 12066	USA	(518) 527-6524		Pauline Hrycenko Owner
TrailBlazer Pilot Car Services	P O Box 17972 San Antonio, TX 78217	USA	(210) 822-7501	www.trailblazerpilotcar.com	Jake & Pat Kimmel Owners
Triton Transport Ltd.	20331 Duncan Way Langley, BC V3A 7N3	Canada	604-530-5124	www.tritontransport.com	Julie Burgess Communications Mgr.
WCS Permits	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Molino President
Wheeling Equipment Company	4407 Opelousas Street Lake Charles, LA 70615	USA	(800) 555-1212	www.wheelingequipment.com	Terry Graham President

FALL PROTECTION

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Bairstow Lifting Products Co., Inc.	1785 Ellsworth Industrial Dr. Atlanta, GA 30318	USA	(800) 241-8990	www.bairstow.com	Robert Bairstow, Jr. President
Buckingham Manufacturing Company Inc.	P O Box 1690 / 11 Travis Avenue, Binghamton, NY 13904	USA	(607) 773-2400	www.buckinghammfg.com	James Pennefeather Vice President/ Sales & Marketing
DBI/SALA	3833 Sala Way Red Wing, MN 55066	USA	(800) 328-6146	www.capitalsafety.com	James Preacher Regional Sales Director
Elk River Inc.	PO Box 1770 Cullman, AL 35056	USA	(256) 739-5959	www.elkriver.com	Paul Doepel General Manager
European Technology Center NA, LLC	930 East Drayton Ferndale, MI 48220	USA	(248) 217-1945	www.etcna.net	Robert Walther Managing Director
Fall-Tech	1306 S. Alameda St. Compton, CA 90221	USA	(323) 752-0066	www.falltech.com	Kelly May Marketing Manager Managing Director
FrenchCreek Fall Safety	100 N. 13th Street Franklin, PA 16323	USA	(877) 228-9327	www.frenchcreek production.com	Stefan Marcella Marketing Coordinator
Guardian Fall Protection	26513 79th Ave South Kent, WA 98032	USA	(800) 466-6385	www.guardianfall.com	Jasson Farrier Vice President, Sales
Latchways Fall Protection	Hopton Park, 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
Miller Fall Protection - Honeywell Safety Products	1345 15th Street P.O. Box 271, Franklin, PA 16323	USA	(800) 873-5242	www.sps.honeywell.com	Heidi Henry Inside Sales Representative
MSA North America	P O Box 427 Pittsburgh, PA 15230	USA	(724) 776-8721	www.msasafety.com	Robert Apel Product Line Manager Fall Protection
RIT Safety Solutions	1900 Enterprise Pkwy, Ste H, Twinsburg, OH 44087	USA	(800) 254-2990	www.ritsafety.com	Omar Jordan President
Samsel Supply Company	1285 Old River Road Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	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 Inc, Div of Griphoist	1615 Warden Avenue Scarborough, ON M1R 2T3	Canada	(416) 298-8822 x247	www.tractel.com/us	Nicole Brandis Sales and Marketing
Transportation Safety Apparel	14B Cardinal Street Hilton Head, SC 29926	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
Winsafe Corp.	One Valleywood Drive, Unit 1, Markham, ON L3R 5L9	Canada	(905) 474-9340	www.winsafe.com	Rick McKinlay Sales & Marketing Manager
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 Inc	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, LLC	33 Inverness Center Parkway Suite 200, Birmingham, AL 35242	USA	(888) 408-8148	www.altec.com/altec-capital/	Shana Foshee Sales & Marketing
CIT Group Inc.	One CIT Drive Livingston, NJ 07039	USA	(973) 740-5000	www.cit.com	Vincent Belcastro Managing Director/ Group Head
DLL Group Canada	3450 Superior Court, Unit 1 Oakville, Ontario, L6L 0C4	Canada	(905) 465-4960	www.dllgroup.com	G. Peter Horan President & CEO
Deutsche Leasing USA, Inc.	190 S. LaSalle St., Suite 2150, Chicago, IL 60603	USA	(312) 678-4265	www.deutsche-leasing.com	Rainer Voelker Head of Vendor Sales
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, Inc	17,314 SH 249, Suite 315 Houston, TX 77064	USA	(281) 894-8000	www.iii-inc.com	Patrick Flinn Managing Director
Intek Leasing	152 Eagle Rock Ave Roseland, NJ 07068	USA	(973) 403-7788	www.intekleasing.com	Paul Garfunkel Leasing Specialist
Manitowoc Finance	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.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 Corp.	2135 City Gate Lane, Suite 300, Naperville, IL 60563	USA	(630) 780-1021	www.peoples.com	Ethan Powell

SG Equipment Finance USA Corp.	480 Washington Blvd., 24th Floor, Jersey, City, NJ 07310	USA	(201) 839-1125	www.sgef.us	Tom Vasilakos Director of Industrial Sales
Siemens Financial Services, Inc.	301 Lindenwood Drive, Suite 215, Malvern, PA 19355	USA	(866) 249-4496	www.siemens.com/finance	Scott Morrish Account Executive
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
Sumitomo Mitsui Finance & Leasing	277 Park Avenue, Suite Suite 1500, New York, NY 10172	USA	(212) 224-5478	www.smfl.co.jp	Jeffrey Whitcomb Vice President
Terex Financial Services	200 Nyala Farm Rd Westport, CT 6880	USA	(503) 245-3232	www.terex.com/en/ products-services/ equipment-financing/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 Glauque AVP, Marketing Program Manager

FREIGHT FORWARDING/LOGISTICS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
1A Intermodal	1460 NW 107th Ave Miami, FL 33172	USA	(305) 629-6266	www.1aintermodal.com	Rick Gonzalez CEO
3Plus Logistics Co.	20250 S. Alameda St Rancho Dominguez, CA, 90221	USA	(310) 667-5167	www.e3pl.com	John Kim Executive Vice President
Access World Logistics Corporation	7 Moonglade Lane Savannah, GA 31411	USA	(912) 352-4248	www.awlcorp.com	Butch Howard Sales & Marketing
American Cargoservice, Inc.	7886 Convoy Court San Diego, CA 92111	USA	(858) 565-4125	www.acssan.com	Ellen Laramie Vice President
American Heavy Moving & Rigging	1391 E. Phillips Blvd Pamona, CA 91766	USA	(909) 469-2827	www.americanheavymoving.com	Cody Sutton CFO
ATS Specialized Inc.	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 Waugh 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 Ltd	102, 6715 - 8 Street N.E. Calgary, AB T2E 7H7	Canada	(403) 295-1505	www.chrprojectlogistics.com	Paul Pols President
C.I. Services, Inc.	P O Box 91955 Atlanta, GA 30364	USA	(678) 686-0933	www.clservicesinc.com	Jeffrey Lantz President
Convoy Logistics Providers Ltd.	482 South Service Road East, Suite 117, Oakville, ON L6J 2X6	Canada	(416) 621-1519	www.convoylogistics.ca	Dona Asciak Fletcher C.E.O
GT Worldwide Logistics	306 East Main Street Carnegie, PA 15106	USA	(866) 966-4999	www.gtlogisticsllc.com	Richard S. Francis, President
Landstar	13410 Sutton Park Drive South, Jacksonville, FL 32224	USA	(877) 287-9495	www.landstar.com	Jim Gattoni President/CEO
Logistics Group International	1426 North Post Oak Road Houston, TX 77055	USA	(713) 957-4812	www.lgiinc.com	Stephen Day President/CEO
McDonough Marine Service	1750 Clearview Pkwy Metairie, LA 70001-2470	USA	(504) 780-8100	www.mcdonoughmarine.com	Eric Anderson Sales Manager
Morrell Oversize, Inc.	10752 171st Ave. NW Elk River, MN 55330-6323	USA	(763) 441-2011	www.morrelloversize.com	Renee Morrell President
NAL Worldwide / Syncreon	1200 Greenbriar Drive Addison, IL 60101	USA	(630) 261-3184	www.syncreon.com	Mary Shawl Strategic Sourcing Manager

FREIGHT FORWARDING/LOGISTICS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
PartnerShip LLC	29077 Clemens Road Westlake, OH 44145	USA	(800) 599-2902	www.partnership.com/ 04SCRA	Polly Myers Program Manager
Pioneer Heavy Haul Inc.	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, Inc.	22251 Mines Road Laredo, TX 78045	USA	(877) 827-7813	www.racingcargo.com	Edwardo Haros, Director Partner
Red Arrow Logistics	22605 SE 56th Street, Suite 270, Issaquah, WA 98029	USA	(425) 747-7914	www.redarrowlogistics.com	Liz Lasater CEO
Roadrunner Freight	1139 Franklin Ave Fox Rapids, MN 56379	USA	(320) 656-8848 x17	www.rrts.com	Dave Demuth President
The Fogel Co.	4431 California St. San Francisco, CA 94118	USA	(415) 422-0081	www.fogelco.com	Rob Fogel President
Transportation Logistics Systems, Inc.	2510 East 85th Street Kansas City, MO 64132	USA	(816) 931-9479	www.translogsys.com	Melody Warren 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	Jeff McGeary Executive Vice President, Sales
Association Benefit Resources	6550 South Millrock Drive, Suite 300, Salt Lake City, UT 84121	USA	(801) 937-6700	www.scrachealthplan.com	David Runnells Program Director
Assurance Agency, Ltd.	1750 E. Golf Road Schaumburg, IL 60173	USA	(847) 797-5700	www.assuranceagency.com	Lindsey Malone Marketing
Baldwin & Lyons, Inc.	1099 N. Meridian Street Indianapolis, IN 46204	USA	(800) 644-5501	www.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 Inc.	11290 Balls Ford Road Manassas, VA 20100	USA	(703) 257-7540	www.const-ins.com	George Pocock President
ECBM	300 Conshohocken State Rd., Suite 405, West Conshohocken, PA 19428	USA	888 313-3226	www.ecbm.com	Chris 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 Stevenes Marketing Manager
Hays Companies	One South Wacker Drive, Suite 3350, Chicago, IL 60606-4639	USA	(312) 254-3722	www.hayscompanies.com	William Holler Senior Vice President
Insurance Innovators Inc.	130 S Easton Road Glenside, PA 19038	USA	(215) 885-7300	www.iiigroup.com	Rich Marburg COO
McGriff	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, Inc.	26255 American Dr Southfield, MI 48034	USA	(248) 204-8145	www.meadowbrookagency.com	Carol Zieck Vice President
National Interstate Insurance Co.	3250 Interstate Drive Richfield, OH 44286	USA	(330) 659-8900	www.nationalinterstate.com	Tony Mercurio President & CEO
NBIS NationsBuilders Insurance Services, Inc.	2859 Paces Ferry Road, Suite 800, Atlanta, GA 30339	USA	(770) 257-1777	www.nbis.com	Bill Tepe President
Neace Lukens	645 E. Missouri Ave., Suite 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.assuredpartners.com	Judy Sivy Senior Account Executive

Norman Spencer Agency Inc	800 East Main Street, Suite A, Lansdale, PA 19446	USA	(215) 809-2160	www.norman-spencer.com	Megan Rose Crane Operators Program
Security Insurance Services	P O Box 510925 New Berlin, WI 53151	USA	(262) 785-9490	www.securityins.net	Lori Averbeck Vice President
Sentry Insurance	1800 North Point Drive, Stevens Point, WI 54481	USA	(715) 346-6333	www.sentry.com	Bill Ferro Director of Sales/ Dealer Operations
South Group Insurance Services	812 Hardy Street Hattiesburg, MS 39402	USA	(601) 545-1643	www.southgroup.net	Gates 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, Inc.	P.O. Box 708 Ludington, MI 49431	USA	(231) 843-1004	www.ssbadger.com	Pat McCarthy Vice President
McDonough Marine Service	1750 Clearview Pkwy., 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 Ltd.	1500 Nagle Road Avon, OH 44011	USA	(440) 871-2500	www.kaydonbearings.com	Ron Shaw Remanufacturing Manager
Braden Carco Gearmatic Paccar Winch Division	PO Box 547 Broken Arrow, OK 74013	USA	(918) 251-8511	www.paccarwinch.com	Tom Boham Marketing
Bremserl North America, Inc.	1640 Shanahan Drive South Elgin, IL 60177	USA	(847) 289-3460	www.bremserl.com	Mike Konrad Sales/Marketing Manager
Bridgestone/ Firestone Off Road Tire	535 Marriott Drive Suite 800 Nashville, TN 37214	USA	(800) 905-2367	www.bfor.com	
Carol Crane Rigging and Lifting Technologies	P.O. Box 5605 Pasadena, TX 77508	USA	(713) 475-7181	www.ccrllt.com	Kelly Collins Marketing
Century Tire Inc.	5355 E 39th Avenue Denver, CO 80207	USA	(303) 455-3302	www.centurytireinc.com	Mark Biere President
Continental Tire North America Inc.	1800 Continental Blvd. Charlotte, NC 28273	USA	(704) 583-8825	www.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
Garrod Hydraulics	1050 Locust Point Road York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbush Sales Representative

OEM COMPONENTS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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, NOB 2K0	Canada	(519) 496-4008	www.hydra-slide.com	Janine Smith Vice President
Hydraforce Hydraulics Inc.	500 Barclay Blvd. Lincolnshire, IL 60069	USA	(847) 793-2300	www.hydraforce.com	David Price Marketing Mgr.
JARP Industries, Inc.	1111 3rd. St. S.E. Waverly, IA 50677	USA	(715) 359-4241	www.jarpind.com	Les Homeister Regional Sales Manager
Kaydon Corp Bearings Div.	2860 McCracken Street Muskegon, MI 49441	USA	(800) 514-3066 x378	www.kaydon.com	Brian Walters Sales and Marketing - Engineered Products
Kinematics Mfg Inc.	2221 W Melinda Lane Phoenix, AZ 85027	USA	(623) 780-8944 x121	www.kinematicsmfg.com	David Pope President
KTSDI, LLC	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 Corp.	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, Inc.	1064, boul. Mgr-De Laval Baie-Saint-Paul, Quebec G3Z 2W9	Canada	(418) 435-5347	www.simardsuspensions.com	Georges Cloutier, Assistant Sales Manager
Superior Tire & Rubber Corporation	PO Box 308, 1818 Penna Ave West Warren, PA 16365	USA	(814) 723-2370 x116	www.superiortire.com	Betsy Foley Administrator
TSP (Transport Systems And Products, Inc.)	P.O. Box 4236 Stamford, CT 06907	USA	(203) 656-1644	www.tpsalesandservice.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.winchessinc.com	Matt Mundis Marketing

OPERATOR ASSIST DEVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Adeunis NA, Inc.	65 Pondfield Rd, Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director, Marketing and Communications
Allied Safety Systems	5224 W State Rd Sanford, FL 32771	USA	(407) 321-0722	www.sigalarminc.com	Lance Burney President
Basil Equipment	31312 Via Colinas Ste 109, West Lake Village, CA 91362	USA	(818) 991-9694	www.basilcranes.com	Mike Abrams Director of Operations
Cattron Group International	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
Cervis, Inc	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
Control Chief Corporation	200 Williams Street Bradford, PA 16701	USA	(814) 362-6811	www.controlchief.com	Allison Ambrose Marketing and Graphics Coordinator
Crane Warning Systems	4443 Holden Street Lakeland, FL 33811	USA	(863) 619-5585	www.cranewarning.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, Inc.	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 Inc	5833 Armour Drive Houston, TX 77020	USA	(713) 674-5631	www.hhlifting.com	Ezequiel Ortuno Outside Sales
Hydro Electronic Devices (HED)	2120 Constitution Avenue Hartford, WI 53027	USA	(262) 670-5155	www.hedonline.com	Chris Kolbe Vice President of Sales and Marketing
Industrial Magnetics	P O Box 80 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, Inc	18362 Gothard St Huntington Beach, CA 92648-1227	USA	(714) 841-5662	www.loadwise.com	Jim Bennett Owner
Magnetek Material Handling	175 Wall Street Glendale Heights, IL 60139-1985	USA	(800) 288-8178	www.columbusmckinnon.com	Mike Fedorchak, Inside Sales
Magtrol Inc.	70 Gardenville Pkwy Buffalo, MN 14224	USA	(716) 668-5555	www.magtrol.com	Jennifer Wilkins Marketing
Markload Systems	1118 N Main St Pearland, TX 77581	USA	(281) 485-8600	www.markload.com	Mike Irwin President
Measurement Systems International	14240 Interurban Ave So. Seattle, WA 98168	USA	(206) 433-0199	www.msiscscales.com	Tim Carroll Marketing Manager
MTS Sensors	3001 Sheldon Drive Cary, NC 27513	USA	(919) 677-2315	www.mts.com	Julie Malinofski, Marketing and Communications
North West Crane LTD, (NWC)	7015 Sparrow Drive Leduc, AB T9E 7L1	Canada	(780) 980-2227	www.northwestcrane.com	Don Kurjata Vice President
OptiCrane Inc.	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, Inc.	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 Inc, Div 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 Inc.	467 Waterbury Court Gahanna, OH 43230	USA	(614) 471-9400	www.axyspermits.com	Valerie Daniel Sales
Comdata Network	5301 Maryland Way Brentwood, TN 37027	USA	(615) 376-6822	www.comdata.com	Gladys Work Sales
Hartill Heavy Haul, Inc.	P.O. Box 762 Arbuckle, CA 95912	USA	(530) 476-3820	www.hartillheavyhaul.com	Todd Hartill Vice President
High, Wide & Heavy Oversize Escorts LLC	312 Arthur Kill Rd Staten Island, NY 10308	USA	(347) 236-9995	www.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, Inc.	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 Mollno President
West Chester Permit	P O Box 62293 Cincinnati, OH 45262	USA	(800) 734-3544	www.wcpermit.com	Scott Boehm Vice President, Sales

PRODUCT SUPPORT/REPAIR

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Bode Technical Services Inc.	234 Columbine Suite 200 Denver, CO 80206	USA	(855) 263-3832	www.bodetechnical.com	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, Inc.	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 Inc	9131 San Leandro St #110 Oakland, CA 94603	USA	(510) 638-6243	www.888docbailey.com	Doc Bailey President/CEO
Domson Engineering & Inspection	190 Wilkinson Road Brampton, ON L6T 4W3	Canada	(905) 789-1326	www.domson.ca	Dennis Domeichini
F & M Mafco	P O Box 11013 Cincinnati, OH 45211-1113	USA	(513) 367-2151	www.fmmafco.com	Susan Stegman
Flite Line USA	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President
Garrod Hydraulics Inc.	1050 Locust Point Rd. York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbush Sales
H&E Equipment Services	7500 Pecue Lane Baton Rouge, LA 70809	USA	(225) 298-5200	www.he-equipment.com	Ralf Vieten Vice President Crane/ Reman/Structural Repair
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. Ltd.	2940 Jacob Road Duncan, BC V9L 6W4	Canada	(250) 746-5181	www.promac.bc.ca	Shelley Woodman
Professional Service & Repair Inc.	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales
PVE Cranes & Services Ltd	P O Box 12529 Jacksonville, FL 32209	USA	(904) 765-6686	www.pveusa.com	Tom Wuerdeman Vice President
Pyramid Parts	9501 Allen Drive Cleveland, OH 44125-4603	USA	(216) 642-9600	www.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 Ltd	1385 Main Street North Vancouver, BC V7J 1C4	Canada	(604) 985-7024	www.rotorelevators.com	
Servicios De Carga Salerno (SCS) Miami	#PTX T0222, P O Box 527948, Miami, FL 33152-7948	USA	(507) 231-6866	www.salernocranes.com	Omar Salerno Gonzalez President
TVH	16355 S. Lone Elm Rd. Olathe, KS 66062	USA	(913) 829-1000	www.tvh.com	Eric Briese Director
W. L. CraneRepair Inc.	5206 N. Main St. Baytown, TX 77521	USA	(281) 839-6950	www.wlcranesales.com	Wayne Long Owner
WHECO 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 Co.	25975 Hwy. 14 Ault, CO 80610	USA	(970) 454-3784	www.heavyhaultrailers.net	Roy V Dyer Owner
HMS Lift Inc.	11 Highlander St. St. George, ON NOE 1N0	Canada	(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.lakeshorefind.com	Cherri Haskell Office Manager

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 Co.	9100 Parklane Ave., Franklin Park, IL 60131	USA	(847) 455-6609	www.chicagohardware.com	Jay Richmond National Sales Manager
Cleveland City Forge	46950 State Route 18 West, Wellington, OH 44090	USA	(440) 647-5400	www.clevelandcityforge.com	Shelly Fairchild Division Marketing Manager
Coffing Hoists	2020 Country Club Road, Wadesboro, NC 28170	USA	(704) 694-2156	www.columbusmckinnon.com	Tom Trust 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.cglift.com	Gar Knight President
Continental Chain	7011 Girard Road, Edmonton, Alberta T6B 2C4	Canada	(780) 437-2701	www.continentalchain.com	Ian McClurg President
Contractors & Industrial Supply Co.	P.O. Box 40391, Nashville, TN 37204	USA	(615) 256-8658	www.cisrigging.com	Eric Schiller COO

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Coordinated Wire Rope & Rigging, Inc.	1707 East Anaheim St., Wilmington, CA 90744	USA	(310) 834-8535	www.coordinatedcompanies.com	Bo Kentner Operations Manager
Coordinated Wire Rope of Hawaii, Inc. dba CWR Hawaii	120 Mokauea St., Suite F, Honolulu, HI 96819	USA	(808) 843-2020	www.cwrhawaii.com	David Tavares Manager
Cortland 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, Inc.	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, Inc.	4100 Dahlia St., Denver, CO 80216	USA	(303) 377-5166	www.denverwirerope.com	Edmund Gubanich CEO
Desert Energy Equipment	P.O. Box 13290, Odessa, TX 79768	USA	(432) 381-3321	www.desertenergy.com	Brett Batham President
Detroit Hoist & Crane Co.	6650 Sterling Drive N., Sterling Heights, MI 48312	USA	(800) 521-9126	www.detroithoist.com	Charles Melder Sales Executive
Discount Wire & Sling, Inc.	4836 N.E. 11th Ave., Ft. Lauderdale, FL 33334	USA	(954) 772-7173	www.discountwireandsling.com	William Davis Owner
Diversified Lifting Systems, Inc.	4702 Distribution Drive, Tampa, FL 33605	USA	(800) 752-1214	www.diversifiedlifting.com	Billy Crowe President
Doleco USA, Inc.	290 Pratt St. Meriden, CT 06450	USA	(203) 440-1940	www.doleco-usa.com	Ralph Albato President
Dominion Steel Specialties, Inc.	5301 Polk St., Building 18, Houston, TX 77023	USA	(713) 678-8141	www.dominionsteel.com	Andy Comeaux General Manager
Durabilt by Durbin	2545 S. 25th Ave. Broadview, IL 60155	USA	(636) 463-1272	www.durabiltusa.com	Martin Kicki Operations
E. M. Blue's Sons, Inc.	P.O. Box 9521, Houston, TX, 77261	USA	(713) 926-6007	www.emblues.com	Carl Smith President
Ed's Wire Rope & Rigging, Inc.	11039 I St., Omaha, NE 68137	USA	(402) 614-8811	www.edswirerope.com	Ed Jackson Owner
Elite Sales Inc.	9445 S.W. 40th St., Miami, FL 33165	USA	(305) 262-3105	www.elitesalesinc.com	Randy Gonzalez President
Elko Wire Rope & Mining Supply	4280 E. Idaho St., Elko, NV 89801	USA	(775) 777-3824	www.elkowirerope.com	Neely Hammond Manager
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 Summors President & Owner
Franklin Offshore Americas Inc	1325 South Creek Dr., Suite 300, Houston, TX 77084	USA	(281) 578-3828	www.franklin.com.sg	Marilyn Munoz Assistant Sales Manager
French Creek Production	626 13th St., Franklin, PA 16323	USA	(814) 437-1808	www.frenchcreekproduction.com	Jason Wible President
Fresno Wire Rope & Rigging	2360 S. East Ave. Fresno, CA 93721	USA	(559) 268-8885	www.fresnowirerope.com	Edward Mytych Manager
Gosan USA	1926 Spearing St. Jacksonville, FL 32201	USA	(904) 350-9191	www.gosanusa.com	Rocio Santin President

Groupe Industriel DL Inc.	675 Boulevard Lionel-Boulet, Canada Varenes QC J3X 1P7		(450) 652-5553	www.groupedl.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, Inc.	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, Inc	1340 Burlington, North Kansas City, MO 64116	USA	(816) 268-5749	www.holland1916.com	Sanders Roth Director
Holloway Wire Rope	14620 E. Pine St., Tulsa, OK 74116	USA	(918) 582-1807	www.hollowaywirerope.com	Curt Tuggie Owner
Horizon Cable Service, Inc.	45 North Cooley Drive, Oklahoma City, OK 73127	USA	(405) 789-7125	www.horizoncableinc.com	Bruce Miller Owner
HWP Rigging	1017 Olive Street, Suite 1000 C St. Louis, MO 63101	USA	(314) 436-9019	www.hwprigging.com	Josh Cummings
Ideal Wire Rope	13101 S. Alameda St., Compton, CA 90222	USA	(310) 604-1853	www.idealwirerope.com	Bill Adams Technical Sales
Indusco Wire Rope & Supplies	1200 W. Hamburg St., Baltimore, MD 21230	USA	(800) 727-0665	www.induscowire.com	Gayle Protzko VP - General Manager
Industrial Rigging & Supply	1-25 McLaren Ave., Cambridge, ON N1R 8K9	Canada	(519) 624-9697	www.industrialrigging.ca	Greg Kockrow Plant Manager
Industrial Splicing & Sling Co. LLC	1842 North 109 East Ave., Tulsa, OK 74116	USA	(918) 835-4452	www.industrialsplicing.com	Mike Parham Sales Manager
Industries Lam-E Inc.	1050 Boul. Charest Quest, Quebec, QB G1N 0A3	Canada	(418) 652-9759	www.lam-e.com	Martin Auclair
Intercon Enterprises	1125 Fir Ave., Blaine, WA 98230	USA	(800) 665-6655	www.intercononline.com	A. J. Schenk Vice President of Sales
J.C. Renfroe & Sons	1926 Spearing St., Jacksonville, FL 32201	USA	(904) 356-4181	www.jcrenfroe.com	Joe Pless Marketing Manager
J. Henry Holland	5931 Thurston Ave., Virginia Beach, VA 23455	USA	(757) 460-3300	www.jhenryholland.com	Larry Lusk VP - General Manager
Jergens, Inc.	15700 S. Waterloo Road, Cleveland, OH 44110	USA	(877) 486-1454	www.jergensinc.com	Bob Kucinic National Sales Manager
John A. Batchelor Company, Inc.	5922 Triumph St., Commerce, CA 90040	USA	(323) 262-4125	www.batchelorinc.com	John A. Batchelor, Jr. Owner
John Sakash Co., Inc.	800 Walnut St., Elmhurst, IL 60126	USA	(630) 833-3940	www.johnsakash.com	Bill Sakash President
Jordan Wire Rope	2400 W. 56th, Odessa, TX 79764	USA	(432) 366-6040		Andy Smith
Jtagz	P.O. Box 1084, Yeppoon, QLD 4703	Australia	+61 (1) 49302806	www.jtagz.com	Lauren Keen
Kennedy Wire Rope & Sling	4202 Dividend Drive, San Antonio, TX 78219	USA	(210) 527-0555	www.kwrs.com	Frank Garcia Branch Manager
Kentuckiana Wire Rope & Sling Co.	3335 Industrial Parkway, Jeffersonville, IN 47130	USA	(812) 282-3667	www.kwrinc.com	John Fireovid Operations Manager
Knight Equipment Co., Inc.	P.O. Box 93, 717 N. 15th St., Bowling Green, MO 63334	USA	(573) 324-3212	www.knighteq.com	Ray Knight Owner
Kulkoni Inc.	502 Garden Oaks Blvd. Houston, TX 77018	USA	(713) 691-1234	www.kulkoni.com	Michael Rothermund Vice President of Sales
KWS, Inc.	P.O. Box 470487, Tulsa, OK 74147	USA	(539) 367-2274	www.kwschain.com	Elizabeth Roberts VP Operations
Laclede Chain Manufacturing Co.	1549 Fenpark Drive, Fenton, MO 63026	USA	(636) 680-2320	www.lacledechchain.com	Greg Luerkens
Lamco Slings & Rigging Inc.	4960 41st Street Court, Moline, IL 61265	USA	(309) 764-7400	www.lamcoinc.com	William Lambrecht Owner
Landmann Wire Rope Products Inc.	6500 Goodyear Road, Benicia, CA 94510	USA	(707) 748-1700	www.landmannwire.com	Rick Colvin President
Lift-All Company, Inc.	1909 McFarland Dr. Landisville, PA 17538	USA	(800) 909-1964	www.lift-all.com	

RIGGING GEAR/HARDWARE & WIRE ROPE continued

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

Nelson Wire Rope Corp.	3051 Penn Avenue, Hatfield, PA 19440	USA	(215) 721-9333	www.nelsonwirerope.com	Richard Nelson President
New England Crane, Inc.	2 Cedar St., Lewiston, ME 04240	USA	(888) 450-0477	www.newenglandcrane.com	Scott Harding Vice President
New Haven Moving Equipment Co.	13571 Vaughn St., San Fernando, CA 91340	USA	(213) 749-8181	www.newhaven-usa.com	Larry Levine Managing Principal
Newco Manufacturing	13531 Wyandotte St., Kansas City, MO 64145	USA	(816) 942-2860	www.newcomfg.com	Erica Ryles General Manager
Newell Davis Co. Inc.	2962 N. Kerr Ave., Wilmington, NC 28405	USA	(910) 762-3500	www.newelldavis.com	Teresa McGee President & CEO
Norex Manufacturing Co. Ltd.	P.O. Box 2951, Sumas, WA 98295	USA	(604) 888-2100		Norbert Schottko President
Northern Metalic Sales (FSJ) Ltd	10407 Alaska Road, Fort St. John, BC V1J 1B1	Canada	(250) 785-6655	www.northernmetalicsj.com	Bruce Mitchell General Manager
Oceanside Equipment Ltd	30 Akerly Blvd., Dartmouth, NS B3B 1N1	Canada	(902) 468-4844		Greg Maloney President
Olsen Chain & Cable, Inc.	P.O. Box 970, Cokato, MN 55321	USA	(320) 286-2187	www.olsenchain.com	Dave Camp Vice President
Omaha Slings, Inc.	4406 South 89th St., Omaha, NE 68127	USA	(402) 331-0911	www.omahaslings.com	Daniel Papst President
Pacific Cargo Control, Inc.	18200 S.W. Teton Ave., Tualatin, OR 97062	USA	(800) 821-8431	www.pacificcargo.com	Ken Webb Corporate Sales
Pacific Industrial Supply	1231 S Director St., Seattle, WA 98108	USA	(206) 682-2100	www.pacificindustrial.com	Lee Frazier Owner
Pacific West Wire Rope	6417 Bandini Blvd., City of Commerce, CA 90040	USA	(323) 724-7724	www.pacwestwirerope.com	Dale Kreinkamp CEO
Pacific-Gulf Wire Rope, Inc.	1504 Engineers Road, Belle Chasse, LA 70037	USA	(504) 341-0066	www.pacificgulfwirerope.com	Keith Plaisance President & Owner
Paducah Rigging, Inc.	4150 Cairo Road, Paducah, KY 42001	USA	(270) 443-3863	www.paducahrigging.com	Alex Edwards President
Page Wire Rope & Slings, Inc.	101 Gallier St., Lafayette, LA 70506	USA	(337) 234-0353	www.pagewirerope.com	Don Page President
Peerless Industrial Group	P.O. Box 5349, 1416 E Sanborn St., Winona, MN 55987	USA	(800) 533-8056	www.peerlesschain.com	Christy Kutchma
Pewag Inc.	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, Inc.	30660 8 Mile Road, Farmington, MI 48336	USA	(248) 478-6353	www.precisionriggers.com	Thomas Earle Owner
Premier Wire Rope	5048 Timber Creek Drive, Houston, TX 77017	USA	(713) 979-5300	www.premierwirerope.com	Steve Brewer Vice President of Sales & Marketing
Python America/ASC	1406 W 175th St., East Hazel Crest, IL 60429	USA	(708) 647-4900	www.ascindustries.com	Tony Fastuca Vice President
Rasmussen Equipment Co.	8727 5th Avenue S., Seattle, WA 98108	USA	(206) 762-3700	www.rasmussenco.com	Dave Duffy Rigging Manager/ Outside Sales
Redaelli Wire Ropes	Via A Volta 16, Cologno M.se, Milano 20093	Italy	(864) 414-9348	www.redaelli.com	Paolo Venturini Area Sales Manager
Reel-O-Matic, Inc	6408 S. Eastern Ave., Oklahoma City, OK 73149	USA	(405) 672-0000	www.reelomatic.com	Don Moreau
Ribbon Webbing Corp.	4711 W. Division St., Chicago, IL 60651	USA	(773) 287-1221	www.ribbonwebbing.com	Daniel Perkins Sales
Richerson and Associates	P.O. Box 8540, Mandeville, LA 70433	USA	(985) 867-1415	www.richersonrep.com	Oscar Richerson Owner
Rigging & Tools, Inc.	2031 Lee Ave., Bismark, ND 58504	USA	(701) 224-1122	www.riggingandtools.com	Brad Olsen Owner
Rockford Rigging ,Inc.	5401 Main Sail Drive, Roscoe, IL 61073	USA	(815) 877-0007	www.rockfordrigging.com	John Malcottem President
Rocky Mountain Wire Rope & Rigging	2421 S. 2570 West, Salt Lake City, UT 84119	USA	(801) 972-4972	www.rmwr.co	Rob Sutphin General Manager

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Roughrider Rigging, Ltd.	118 Faithful Crescent, Saskatoon, SK S7K 8H8	Canada	(306) 651-1834	www.saturnind.com	Gerry Wiederhold
Rouster Wire Rope & Rigging	102 Ridge St., Mabscott, WV 25871	USA	(304) 252-6031	www.rousterwrr.com	Chuck Farmer
RUD	P.O. Box 367, Hiawatha, IA 52233	USA	(319) 294-0001	www.rud.com	Katie Eliason
Safe 'N Secure USA, LP	2673 Freewood Drive, Dallas, TX 75220	USA	(214) 358-4565	www.safensecureusa.com	Ken Webb Sales & Marketing
Safety Clamps, Inc.	233 Santa Barbara Ave., Jacksonville, FL 32254	USA	(800) 456-2809	www.safetyclamps.com	Scott Griffin Owner
Safety Sling Company	909 Fulton Street, Pittsburgh, PA 15233	USA	(412) 231-6684	www.safetysling.com	Tom Talkowski Vice President
Sam Winer Motors Inc	3417 E. Waterloo Road, Akron, OH 44312	USA	(330) 628-4881	www.samwinermotors.com	Sid Zetzer Finance Executive
Samsel Supply Co.	1285 Old River Road, Cleveland, OH 44113	USA	(800) 892-8012	www.samselsupply.com	Kathy Petrick President
Samson Rope Technologies	2090 Thornton Street, Ferndale, WA 98248	USA	(360) 384-4669	www.samsonrope.com	Michelle Jarvis Marketing Strategy Manager-Industrial
Saturn Industries Ltd.	37 Sylvan Way, Winnipeg, Manitoba R2R 1V9	Canada	(204) 633-1529	www.saturnind.com	John Lang
Sea-Fit Inc	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-fit.com	Tyrus Smith Marketing Manager
Sea-Land Distributors, LLC	4745 River Road, Jefferson, LA 70121	USA	(504) 736-9477	www.sea-landdistributors.com	Michael Hall Owner & President
SG Consulting	3709 Clearwater Lane, Brookhaven, PA 19015	USA	(610) 876-3445	www.sg-consultants.com	Steven Guydos President
Sharrow Lifting Products	301 Country Road E2 West, New Brighton, MN 55112	USA	(651) 489-1341	www.ccsharrow.com	Bob Downs President
Sheave Source	P.O. Box 100368, 4264 Underwood Industrial Drive, Birmingham, AL 35210	USA	(205) 956-7005	www.sheavesource.com	Pat Cowart Owner
Sheaves, Inc.	195 Leonard Drive, Groton, CT 06340	USA	(866) 344-6774	www.esheaves.com	Stew Walton Owner
Silver State Wire Rope & Rigging	8740 S. Jones Blvd., Las Vegas, NV 89139	USA	(702) 597-2010	www.sswr.net	Pete Rogers President
Sling Tech	124 Brock St., Barrie, ON L4N 2M2	Canada	(705) 719-4899	www.slingtech.com	Mandy Rij Sales & Marketing Manager
Sling-Choker Manufacturing Ltd.	605 Rennie Street, Hamilton, ON L8H 3P8	Canada	(905) 545-5025	www.slingchoker.com	John Walsh Export Manager
Slingmax Rigging 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
Uniroppe	3070 Universal Drive, Mississauga, ON L4X 2C8	Canada	(905) 624-5131	www.uniroppe.com	Knut Buschmann President
Unitex Group USA	P.O. Box 455, 104 Hurrican Creek Road, Piedmont, SC 29673	USA	(864) 846-8690	www.unitexusa.com	Dan Posa
USHA Martin Americas, Inc.	701 Plastics Ave., Houston, TX 77020	USA	(713) 676-1800	www.ushamartin.com	Sunil Sadani Vice President of Commercial
Van Beest USA LLC	P.O. Box 96529, 1357 Sheffielde Blvd., Houston, TX 77015	USA	(713) 674-5753	www.vanbeest.nl	Chris Keffer
Verope USA	11018 Pleasantville Drive, Houston, TX 77029	USA	(832) 831-0132	www.verope.com	Chase Richter Sales Manager
Visco Inc.	P.O. Box 67127, Lincoln, NE 68506	USA	(402) 489-6492	www.viscoinc.com	Larry Isaacson Owner
Voto Manufacturers Sales Company	P.O. Box 1299, 500 N. Third St., Steubenville, OH 43952	USA	(740) 282-3621	www.votosales.com	Janie Mayle President
Washington Wire Rope	8411 Irvington Blvd., Houston, TX 77022	USA	(800) 332-2376	www.wwirerope.com	Robert Tenorio Sales
WESCO Industries, Ltd.	Unit 1, 9663 - 199 A St., Langley, BC V1M 2X7	Canada	(604) 881-3000	www.wescovan.com	Kaz Arai President
West Coast Wire Rope & Rigging Inc.	2900 N.W. 29th Ave., Portland, OR 97210	USA	(800) 275-0482	www.wcwr.com	Steve Hughes
West Equipment Co., Inc.	1545 E. Broadway, Toledo, OH 43605	USA	(419) 698-1601	www.thewestequipment.com	Bernard Erdmann President
Western Sling & Supply Co.	P.O. Box 208, Sedalia, CO 80135	USA	(303) 688-0978	www.westernsling.com	Stan Truitt President
Wireco Worldgroup	2400 W 75th Prairie Village Kansas City, KS 66208	USA	(816) 270-4700	www.wirecoworldgroup.com	Blake Chandler SVP Global Mining & Sales
Wire Rope Industries	5501 Trans-Canada Hwy., Pointe-Claire, QC H9R 1B7	Canada	(514) 426-6647	www.wirerope.com	Vladimir Miladinovic Manager of Business Intelligence
Wire Rope Technology Aachen GmbH	Grunenthaler. 40a, 52072 Aachen	Germany	+49 241 173147	www.ropetechnology.com	Roland Verreet Owner
Wirerope Works, Inc.	100 Maynard St., Williamsport, PA 17701	USA	(570) 327-4206	www.wvrope.com	Bill Austin Marketing Director

RIGGING GEAR/HARDWARE & WIRE ROPE continued

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

SAFETY EQUIPMENT AND PRODUCTS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Allied Safety Systems	5224 W State Rd Sanford, FL 32771	USA	(407) 321-0722	www.signalarminc.com	Lance Burney Owner
CM Labs	645 Wellington Street Montreal, Quebec, H3C 1T2	Canada	(514) 287-1166	www.cm-labs.com	Clement Merceron Product Marketing Manager
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.orlaco.com	Peter Dove Account Manager
Pacific Systems Solutions	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	David Catanzaro CEO
Safety Resources Unlimited, Inc.	4800 S.W. 20th Street Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Jennifer Sale President
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	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
Unimar	3195 Vickery North Syracuse, NY 13212	USA	(315) 579-3777	www.unimar.com	Thad Fink President

SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
A1A Software	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 LLC	4855 Brookside Ct. Unit B Norfolk, VA 23502	USA	(757) 819-4600	www.hoistcam.com	Chris Machut Chief Technology Officer
Orion Software	6000 Cote-des-Neiges, Suite 240, Montreal, Quebec H3S 1Z8	Canada	(514) 484-9661	www.orion-soft.com	Andre Gilbert President
PeopleNet	4400 Baker Road Minnetonka, MN 55343	USA	(888) 346-3486	www.peoplenetonline.com	Brian McLaughlin President

SOFTWARE - LIFT PLANNING/FLEET MANAGEMENT continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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 Inc	5775 Morehouse Dr. San Diego, CA 92121	USA	(858) 587-1121	www.qualcomm.com	Emily Kilpatrick Director of Public Relations
Rental Result Group	Unit B4, Lowfields Close Elland West, Yorkshire HX5 9DX	UK	+1 (480) 777 7130	www.rentalresult.com	Julie Masters Marketing Manager
RMI Corporation	40 Darling Drive Avon, CT 06001	USA	(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.cmwworks.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 Global Business Development Leader
Engineered Rigging	300 Industrial Blvd Russellville, AR 72802	USA	(219) 712-4579	www.engineeredrigging.com	Christopher Cox President
Engineered Heavy Services	4116-34th Avenue NE, # B, Everett, WA 98205	USA	(425) 259-0213	www.genps.net	Greg Nordholm Owner
EzRig Crane	1500 Palma Dr. 2nd Floor, Ventura, CA 93003	USA	(805) 643-4387	www.ezrigcrane.com	Andy Collins
Fagioli Inc.	21310 Highway 6 Manvel, TX 77578	USA	(281) 997-3434	www.fagioli.com	Edoardo Ascione President
Faymonville Distribution	Duarrefstrooss 8, L-9990 Weiswampach	Luxembourg	352 26 90 04 155	www.faymonville.com	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	Stefan Kohler Vice President of Sales, Transport Technology
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	Bill Lampson President & CEO
Lifting 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 USA	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	Martijn Kuipers 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	U.K.	(0) 1202 621511	www.modulift.com	Malcolm Peacock Business Development Manager
Power Pusher	546-2895 Derry Road East Mississauga, ON L4T 1A6	Canada	(905) 764-6942	www.pushorpull.com	Slim Baksh VP Sales and Marketing

SPECIALIZED RIGGING/LIFTING MANUFACTURERS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Riggers Manufacturing Company	PO Box 506 Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
Rigging Gear Sales, Inc.	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Benjamin Forster General Manager
Sarens USA	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director NA
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.americacranetraining.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 Hennessey Director of Operations
Cairo Marine Service, Inc	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, LLC	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

TRAINING CERTIFICATION & INSPECTION SERVICES continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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 Simonye 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
IMPACT	1750 New York Avenue NW Washington, DC 20006	USA	(800) 545-4921	www.impact-net.org	Kenny Waugh Director, Industry Liaisons
Industrial Training International, Inc.	9428 Old Pacific Highway Woodland, WA 98674	USA	(800) 727-6355	www.iti.com	Mike Parnell CEO
Industrial Training Solutions	742 Magnolia Street, Suite B, Madison, MS 39110	USA	(800) 975-8853	www.industrial-training- solutions.com	Jim Morris Owner
Industry Training Authority	8th Floor – 8100 Granville Avenue, Richmond, B.C. V6Y 3T6	Canada	(866) 660-6011	www.itabc.ca	Gary Herman Interim CEO
Institute for Safety and Health Management	4841 E County One-Fourth St. Yuma, AZ 85365	USA	(877) 201-4053	www.ishm.org	Larry Curtis CEO
International Training & Safety LLC	17892 Scotia Circle Huntington Beach, CA 92647	USA	(714) 585-1280	www.trainmesafe.com	William A. Blum CEO/President
IPT Publishing & Training	P O Box 9590 Edmonton, AB T6E 5X2	Canada	(780) 962-4819	www.iptbooks.com	Bruce Ashton and Ronald Garby
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

TRAINING CERTIFICATION & INSPECTION SERVICES continued

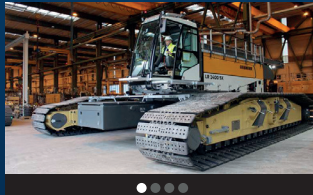
COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Morrow Training Center	3218 Pringle Rd SE Salem, OR 97302	USA	(503)585-5721	www.morrow.com	Christian Chalupny President
National Commission for the Certification of Crane Operators (NCCCO)	2750 Prosperity Avenue, Suite 505, Fairfax, VA 22031	USA	(703) 560-2391	www.nccco.org	Graham Brent Chief Executive Officer
National Crane Inspection, LLC	4204 Plainville Road Cincinnati, OH 45245	USA	(513) 271-8608	www.nationalcraneinsp.com	Gary Lavender President
National Crane Services	9423 S Orange Avenue Orlando, FL 32824	USA	(407) 856-9990	www.natcrane.com	Dennis O'Rourke Owner
Nationwide Crane Training	7655 Aspen Creek Court Washoe Valley, NV 89704	USA	(877) 628-2726	www.nationwidecranetraining.com	Teri Drapeau CEO
NCCER	13614 Progress Boulevard Alachua, FL 32615	USA	(888) 622-3720	www.nccer.org	Dan Belcher Director of Workforce Development
North American Crane Bureau	930 Williston Park Point Lake Mary, FL 32746	USA	(800) 654-5640	www.cranesafe.com	Monica McNeill Marketing Manager
Occupational Safety Training Systems Inc.	14650 Central Avenue Chino, CA 91710	USA	(909) 468-3602	www.ostsinc.com	Kari Geosano Vice President
Operating Eng. Training Institute	12580 County Road 2, Box 636, Morrisburg, ON K0C 1X0	Canada	(613) 543-2911	www.oetio.com	Carla St Louis Marketing
Operator Network	9351 Jerome Road Dublin, OH 43017	USA	(614) 558-1793	www.operatornetwork.com	Robert Slingsby Principal
Overton Safety Training, Inc.	P.O. Box 6297 Aloha, OR 97007	USA	(866) 531-0403	www.overtonsafety.com	Ron Overton President/Owner
Professional Service & Repair Inc.. (PSR Inc.)	P O Box 6506 Columbus, GA 31907	USA	(706) 561-8500	www.psrinc.biz	Jeff Johnson Sales & Marketing
Quad City Testing Laboratory, Inc.	21112 Scott Park Road Davenport, IA 52807-9330	USA	(563) 391-8500	www.testlab1.com	Mason Ritter Crane Inspection Dept. Manager
RHTC, Inc.	309 Smith Street West Monroe, LA 71292	USA	(318) 330-9000	www.rhtcinc.com	Jeff Hairston President
Rigging Institute	205 Bridgewater Road Aston, PA 19014	USA	(888) 416-1965	www.rigginginstitute.com	Eric Perry Managing Director
R Spec Crane Inspectors	21 High Street Plainville, MA 02762	USA	(508) 212-4735	www.cranedecals.com	Rick Staples Owner
Safety Provisions Inc.	343 E. 4th N Ste 245 Rexburg, ID 83440	USA	(360) 930-9247	www.hardhattraining.com	Arthur T. Lee President
Safety Resources Unlimited Inc.	4800 S W 20 th St Oklahoma City, OK 73128	USA	(405) 681-0407	www.sruinc.org	Stephanie Hoffman Marketing
Stephenson Equipment Inc.	7201 Paxton Street Harrisburg, PA 17111	USA	(800) 325-6455	www.stephenson equipment.com	Chris Traino Training Coordinator
Sylvan Enterprises	P O Box 666 Kingston, TN 37763	USA	(865) 717-8582	www.sylvanent.com	Ann Augustine Office Administrator
The Center for Construction Research and Training	8484 Georgia Ave. Silver Spring, MD 20910	USA	(301) 578-8500	www.cpwrr.com	Mary Watters Director of Communications
The Crane School	210 Homestretch Blvd Deland, FL 32724	USA	(386) 668-8887	www.thecraneschool.com	Bud Wilson President
The Safety Zone	PO Box 85, 139 Industrial Park Centerbrook, CT 6409	USA	(800) 821-5702	www.safety-zone.com	Sandy Seidman Founder/President
Total Crane Services Ltd	14660 1H-10W Orange, TX 77632	USA	(409) 842-1500	www.totalcraneservices.com	Rodney Rhodes Training Manager/Partner
Tower Crane Inspection Bureau	P O Box 111108 Naples, FL 34108	USA	(239) 961-7401	www.towercraneinspection bureau.com	Tom Dube Owner
Tower Crane School of Phoenix LLC	16609 S 14th Street Phoenix, AZ 85048	USA	(602) 541-0364	www.towercraneschool phoenix.com	Ronnie Gray Senior Technical Trainer
TSC Training Academy	36-06 43rd Avenue Long Island City, NY 11101	USA	(718) 389-2103	www.tsctrainingacademy.com	Tom Ferrante Director
Turner Safety	6759 Sierra Ct. #B Dublin, CA 94568	USA	(510) 742-7460	www.steveturnersafety.com	Steve Turner Owner
West Coast Training Inc.	P O Box 970, Woodland, WA 98674	USA	(360) 225-6787	www.heavyequipmenttraining.com	Jeff Woolever Owner
Working Class Heroes Safety	P O Box 18217 Spokane, WA 99228	USA	(509) 435-6343	www.wchcranesafety.com	Danny Theimens Master Crane Theory Instructor

GUARANTEE YOUR **FREE** DIGITAL ISSUE OF

AMERICAN CRANES & TRANSPORT

ACT &T

Image galleries
additional content,
products and
component views.



Video additional
walkarounds,
event coverage &
product launches.



Audio additional
podcasts,
webinars and
interviews.



- 12 issues per year of the magazine in digital format available on the day of publication
- Weekly eNewsletter - keep up-to-date with the latest access news
- Subscribe for your free digital issue here today www.khl.com/free-subscription



khl
www.khl.com

The ACT Marketplace is sponsored by

easybook
training
training for safety

1000s of training courses
100s of locations
1 simple solution

www.easybooktraining.com

e-mail: info@easybooktraining.com Toll Free: 1 833 278 1884

The Marketplace

ACT's Marketplace is designed to help readers find the products and services they need. It is divided into convenient categories including equipment for sale, crane & lifting services, transport & heavy haul, training and dealers & distributors.

Training Directory 159

Find the company to fulfill your training needs

Dealer Locator 160

Find a Dealer/Distributor by using ACT's Dealer Locator. When viewing online, check out the interactive map. Click and see where the dealers are and e-mail or go to their website from the map. From the printed page, please pick up the phone and call for your crane needs.

Rigging Clips 169

Find a rigging clip Dealer/Distributor

Products, Parts & Accessories 169

Operational aids, communication systems, components, controls, software, crane mats and outrigger pads, crane repair, hydraulics, jacks, attachments, personnel baskets, rigging hardware, rollers, slings and chains, tires, winches, wire rope, batteries, braking systems, and new, used and refurbished parts.

Equipment for Sale or Rent 175

Crane, rigging and lifting equipment for sale or rent, new or used.

Career Opportunities

Employee recruitment and job postings.

Safety & Industry Services 178

Insurance, inspections, financing, consulting and safety equipment.

Transport & Heavy Haul 178

Transportation permits, freight forwarding, heavy haul and pilot car services.

To advertise in the ACT Marketplace Contact

BEV O'DELL

Tel: 816-886-1858

e-mail: bev.odell@khl.com

www.americancranesandtransport.com



Accredited Safety Solutions
317-995-7759
www.accredited-safety.com
Robert Clouse
rclouse@accredited-safety.com



Crane Industry Services
770-783-9292
www.craneindustrieservices.com
Debbie Dickinson
debbie@craneindustrieservices.com



Crane Inspection & Certification Bureau
866-716-2368
www.cicb.com
Peter Roberts
training@cicb.com



Crane Institute of America
800-832-2726
www.craneinstitute.com
James Headley
info@craneinstitute.com



Crane Tech
1-800-290-0007
www.cranetech.com
Sherri McLean
smclean@cranetech.com



Crawford Custom Consulting, Inc.
1-877-933-9600
Locations: PA, TN & NJ
www.crawfordcustom.com
info@crawfordcustom.com



Crane U Inc
205-478-6331
www.craneu.com
Madison Fant Locarno
madison@craneu.com



Easybook Training
1-833-278-1884
www.easybooktraining.com
info@easybooktraining.com



NJ Crane Expert
908-219-9084
www.njcraneexpert.com
Jordan Tielmann
Hello@njcraneexpert.com



RHTC, Inc.
(318) 330-9000
www.rhtcinc.com
Jeff Hairston
jeffh@rhtcinc.com



Stephenson Equipment Inc (SEI)
1-800-325-6455 ext 1154
www.stephensorequipment.com
Chris Traino - Training Coordinator
ctraino@stephensorequipment.com



The Crane School
813-402-2017
www.thecraneschool.com
Tony Dotto
info@thecraneschool.com

This is a paid advertisement. If you would like to be included, contact
Bev O'Dell - 816-886-1858 – bev.odell@khl.com

AT ALTEC, WE BELIEVE BETTER EQUIPMENT STARTS FROM THE GROUND UP. THAT'S WHY WE OFFER INNOVATIVE AND RELIABLE PRODUCTS THAT EXCEED INDUSTRY STANDARDS. COUPLED WITH OUR AWARD-WINNING SERVICE, ALTEC PROVIDES SOLUTIONS TO MEET ALL YOUR EQUIPMENT NEEDS. FIND WHAT YOU'RE LOOKING FOR AT ALTEC.COM.

NEW & USED SALES | SERVICE | RENTAL | FINANCING | SAFETY TRAINING | TOOLS & ACCESSORIES



844.572.5832
ALTEC.COM/CRANES
SALES@ALTEC.COM



Contact our Dealers



ASPEN EQUIPMENT, LLC

www.aspenequipment.com
Omaha, NE
Tel: 402-894-9300

Branches:

Ankeny, IA
Tel: 515-965-1000
Davenport, IA
Tel: 563-949-4045

Cleveland Crane & Shovel Sales Inc.

26781 Cannon Road
Cleveland, OH 44146
Tel: 440-439-4749
800-362-8494
e-mail:
aforepaugh@craneandshovel.net
www.craneandshovel.net

MGX Equipment Services, LLC

mgxequipment.com
844-DIAL-MGX

Branches:

Baltimore, MD
Tel: 443-399-7100
Baton Rouge, LA
Tel: 225-251-7500
Belle Chasse, LA
Tel: 504-394-7400
Birmingham, AL
Tel: 205-661-1323
Dallas, TX
Tel: 972-986-0910
Houston, TX
Tel: 713-433-6411
Norfolk, VA
Tel: 757-935-4300
Phoenix, AZ
Tel: 602-232-0600

Salt Lake City, UT
Tel: 801-297-8500
Winston-Salem, NC
Tel: 336-582-7400

Shawmut Equipment Co, Inc

20 Tolland Turnpike,
Manchester, CT. 06042
Tel: 800-829-4161
860-643-4161
www.shawmutequipment.com

Branches:

South Easton, MA.
Tel: 877-526-9213
508-238-1900
Shawmut Equipment of
Canada, Inc
Elmsdale, NS
Tel: 902-883-7450

Stephenson Equipment, Inc

7201 Paxton Street
Harrisburg, PA. 17111
Tel: 800-325-6455
www.stephensonequipment.com

Branches:

McDonald, PA
Tel: 800-692-7600
Pittston, PA
Tel: 866-667-6756
Prospect Park, PA
Tel: 800-220-4033
Syracuse, NY
Tel: 800-368-6455
Waterford, NY
Tel: 518-357-2200



Aspen Equipment, LLC

www.aspenequipment.com
Bloomington, MN
Phone: 952-888-2525

Branches:

Ankeny, Iowa
Tel: 515-965-1000
Davenport, IA
Tel: 563-949-4045
Omaha, Nebraska
Tel: 402-894-9300

MGX Equipment Services, LLC

mgxequipment.com
844-DIAL-MGX

Branches:

Baltimore, MD
Tel: 443-399-7100

Baton Rouge, LA

Tel: 225-251-7500
Belle Chasse, LA
Tel: 504-394-7400
Birmingham, AL
Tel: 205-661-1323
Dallas, TX
Tel: 972-986-0910
Houston, TX
Tel: 713-433-6411
Norfolk, VA
Tel: 757-935-4300
Phoenix, AZ
Tel: 602-232-0600
Salt Lake City, UT Tel: 801-297-8500
Winston-Salem, NC
Tel: 336-582-7400

Shawmut Equipment Co, Inc

20 Tolland Turnpike,
Manchester, CT. 06042
Tel: 800-829-4161,
860-643-4161
www.shawmutequipment.com

Branches:

South Easton, MA.
Tel: 877-526-9213,
508-238-1900
Shawmut Equipment of
Canada, Inc
Elmsdale, NS
Tel: 902-883-7450

Stephenson Equipment, Inc

7201 Paxton Street
Harrisburg, PA. 17111
Tel: 800-325-6455
www.stephensonequipment.com

Branches:

McDonald, PA
Tel: 800-692-7600
Pittston, PA
Tel: 866-667-6756
Prospect Park, PA
Tel: 800-220-4033
Syracuse, NY
Tel: 800-368-6455
Waterford, NY
Tel: 518-357-2200



Contact our Dealers



ASPEN EQUIPMENT, LLC

www.aspenequipment.com

Branches:

Ankeny, IA

Tel: 515-965-1000

Davenport, IA

Tel: 563-949-4045

Omaha, NE

Tel: 402-894-9300

Cleveland Crane & Shovel Sales Inc.

26781 Cannon Road

Cleveland, OH 44146

Tel: 440-439-4749

800-362-8494

e-mail:

aforepaugh@craneandshovel.net

www.craneandshovel.net

MGX Equipment Services, LLC

mgxequipment.com

844-DIAL-MGX

Branches:

Baltimore, MD

Tel: 443-399-7100

Baton Rouge, LA

Tel: 225-251-7500

Belle Chasse, LA

Tel: 504-394-7400

Birmingham, AL

Tel: 205-661-1323

Dallas, TX

Tel: 972-986-0910

Houston, TX

Tel: 713-433-6411

Norfolk, VA

Tel: 757-935-4300

Phoenix, AZ

Tel: 602-232-0600

Salt Lake City, UT

Tel: 801-297-8500

Winston-Salem, NC

Tel: 336-582-7400

Shawmut Equipment Co, Inc

20 Tollard Turnpike,

Manchester, CT. 06042

Tel: 800-829-4161,

860-643-4161

www.shawmutequipment.com

Branches:

South Easton, MA.

Tel: 877-526-9213,

508-238-1900

Shawmut Equipment of

Canada, Inc

Elmsdale, NS

Tel: 902-883-7450

Stephenson Equipment, Inc

7201 Paxton Street

Harrisburg, PA. 17111

Tel: 800-325-6455

www.stephensonequipment.com

Branches:

McDonald, PA

Tel: 800-692-7600

Pittston, PA

Tel: 866-667-6756

Prospect Park, PA

Tel: 800-220-4033

Syracuse, NY

Tel: 800-368-6455

Waterford, NY

Tel: 518-357-2200



Bigge Equipment

10700 Bigge Ave,

San Leandro, CA. 94577

Tel: 510-681-0918

e-mail: cranesales@bigge.com

www.bigge.com

Branches:

Houston, TX.

Tel: 510-681-0918

La Mirada, CA.

Tel: 510-681-0918

Cropac Equipment Inc.

Tel: 1-800-4-CROPAC

www.cropac.com

e-mail: sales@cropac.com

Branches:

Oakville, ON.

Tel: 905-825-6377

Laval, QC.

Tel: 450-625-4738

Nisku, AB

Tel: 78-955-8862

Abbotsford BC

Tel: 604-755-3927

Shawmut Equipment Co, Inc

20 Tollard Turnpike,

Manchester, CT. 06042

Tel: 800-829-4161

860-643-4161

www.shawmutequipment.com

Branches:

South Easton, MA.

Tel: 877-526-9213,

508-238-1900

Shawmut Equipment of

Canada, Inc

Elmsdale, NS

Tel: 902-883-7450

Stephenson Equipment, Inc

7201 Paxton Street

Harrisburg, PA. 17111

Tel: 800-325-6455

www.stephensonequipment.com

Branches:

McDonald, PA

Tel: 800-692-7600

Pittston, PA

Tel: 866-667-6756

Prospect Park, PA

Tel: 800-220-4033

Syracuse, NY

Tel: 800-368-6455

Waterford, NY

Tel: 518-357-2200

RMS Cranes

1900 E 66th Avenue

Denver, CO 80229

Tel: 800-588-7095

e-mail: info@rmscranes.com

www.rmscranes.com

Rapicon Inc

924 Burton Road

Vars ON. KOA 3HO

Tel: 613 443-1323

www.rapicon.ca

e-mail: redemond@rapicon.ca

Transport Equipment Sales (TES)

Kearny, NJ.

Tel: 973-589-4100

e-mail: info@tes-inc.net

www.tes-inc.net

New cranes, new technology and new solutions to grow your business



Find your authorized Tadano Distributor

Cropac Equipment Inc.

1-800-4-CROPAC
www.cropac.com
E-mail: sales@cropac.com

Branches:

Abbotsford, B.C.
Tel: 604-755-3927
Oakville, ON. Tel: 905-825-6377
Laval, QC. Tel: 450-625-4738
Nisku, AB. Tel: 780-955-8862

Coastline Equipment Crane Division

325 N. 5th Street, Bldg. A
Sacramento, CA. 95811
Tel: 916-440-8090
www.coastlinecd.com

Branches:

Santa Ana, CA Tel: 714-265-6550
Long Beach, CA Tel: 562-273-7013
Bakersfield, CA Tel: 661-399-3600
Oxnard, CA Tel: 805-485-2106
Santa Maria, CA Tel: 805-922-8329
Las Vegas, NV Tel: 702-399-2700
Elko, NV Tel: 775-777-7070
Meridian, ID Tel: 208-888-3337
Jerome, ID Tel: 208-324-2900
McCall, ID Tel: 208-634-3903

Exact Crane & Equipment Corp

www.ExactCrane.com
Sales@exactcrane.com
Parts@exactcrane.com
Tel: 440-349-1999

Authorized dealer for KY, MI, OH, and Western PA

Empire Crane Co, LLC

7021 Performance Dr,
Syracuse, NY 13212
www.empirecrane.com
Tel: 315-458-4101;
800-342-7575;
Parts: 315-701-4933
E-mail:
sales@empirecrane.com

Branches:

Holbrook, MA.
Tel: 508-868-7734
Luke@empirecrane.com
Bridgewater, NJ (NYC/NJ)
Tel: 908-203-0400
sales@empirecrane.com

Scott-Macon Equipment

14925 S. Main
Houston, TX. 77035
Tel: 713-721-7070
www.smequipment.com

Branches:

Corpus Christi, TX.
Tel: 361-289-2782
Dallas, TX.
Tel: 214-391-4000
San Antonio, TX.
Tel: 210-629-0400
Midland, TX.
Tel: 432-517-4378
(Field Service Office)
Tulsa, OK.
Tel: 918-224-2000



© Tadano Ltd. 2021

Tadano America Corporation
4242 W Greens Rd, Houston, TX 77066
Phone: +1 (281) 869-0030
www.tadanoamericas.com



Find your authorized Tadano Distributor

CraneWorks, Inc.

www.Crane-Works.com
e-mail: sales@Crane-Works.com

Authorized dealer for Kansas Branche:

Kansas City, KS Tel: 913-308-0184

Empire Crane Co, LLC

7021 Performance Dr,
Syracuse, NY. 13212
www.empirecrane.com
Tel: 315-458-4101; 800-342-7575;
Parts: 315-701-4933
e-mail: sales@empirecrane.com

Branches:

Holbrook, MA.
Tel: 508-868-7734
Luke@empirecrane.com
Bridgewater, NJ (NYC/NJ)
Tel: 908-203-0400
sales@empirecrane.com

Exact Crane & Equipment Corp

www.ExactCrane.com
Tel: 440-349-1999
Sales@exactcrane.com
Parts@exactcrane.com

Authorized dealer for KY, MI, OH, and Western PA

Scott-Macon Equipment

14925 14925 S. Main,
Houston, TX. 77035
Tel: 713-721-7070
www.smequipment.com

Branches:

Corpus Christi, TX Tel: 361-289-2782
Dallas, TX. Tel: 214-391-4000
Midland, TX. Tel: 432-517-4378
(Field Service Office)
Tulsa, OK. Tel: 918-224-2000



© Tadano Ltd. 2021

Tadano America Corporation
4242 W Greens Rd, Houston, TX 77066
Phone: +1 (281) 869-0030
www.tadanoamericas.com

Link-Belt[®]

C R A N E S

*Contact your authorized
Link-Belt distributor today!*

EQUIPMENT SALES & SERVICE LIMITED

Head Office:

1030-1032 Martin Grove Rd
Toronto, ON M9W 4W3

Tel: 416-249-8141

E-Mail: dpaton@essltd.com
www.essltd.com

Branches:

London
519-652-6160
Ottawa
613-831-9222
Sudbury
705-692-7278
Edmonton
780-440-4010
Calgary
403-998-8956
Vancouver
604-946-3771

DOC BAILEY CRANES & EQUIPMENT OF HAWAII

Kapolei, HI. 96707
808-545-4884

Tel: 416-249-8141

E-Mail: dpaton@essltd.com
www.essltd.com

Branches:

"Used Crane Sales
& Support"
San Lorenzo, CA
510-638-6243
Las Vegas, NV
702-485-1457

REXCO EQUIPMENT

1925 Blairs Ferry Road NE
Cedar Rapids, IA 52402

Tel: 319-393-2820

E-mail: to info@rexcomail.com
www.rexcoequipment.com

Branches:

Davenport, IA
563-381-1200
Des Moines, IA
515-287-4910
Iowa City, IA
319-248-1130
Burlington, IA
319-419-6050

TRANSPORT EQUIPMENT SALES (TES)

Kearny, NJ.

Tel: 973-589-4100

E-Mail: info@tes-inc.net
www.tes-inc.net

TRIAD MACHINERY

Tel: 503-254-5100

www.triadmachinery.com

Branches:

Portland, OR
Seattle/Tacoma
WA Eugene, OR
Spokane, WA
Bend/Prineville,
OR Mt Vernon, WA

Burl Redman
Crane Specialist (OR)
503-318-2140

Steve Zaback
Crane Specialist (WA)
206-450-5220

www.linkbelt.com

Find us on:    Link-Belt Cranes
Lexington, Kentucky, USA | www.linkbelt.com





Contact our Dealers

Bigge Equipment

10700 Bigge Ave, San Leandro, CA 94577
Tel: 510-681-0908

E-mail: cranesales@bigge.com
www.bigge.com
Authorized dealer in CO, WA.

Branches:

Henderson, CO. Tel: 510-681-0908
Seattle, WA. Tel: 510-681-0908

CraneWorks, Inc.

www.Crane-Works.com
E-mail: sales@Crane-Works.com

Branches:

Houston, TX Tel: 832-280-8737
Kansas City, KS Tel: 913-308-0184
San Diego, CA Tel: 760-906-8044
Denver, CO Tel: 303-710-8308
Orlando, FL Tel: 407-307-2562
Hampton, NJ(NYC/PHL) Tel: 908-336-9651
Dallas/Ft. Worth, TX Tel: 817-497-8217

Cropac Equipment Inc.

1-800-4-CROPAC
www.cropac.com
E-mail: sales@cropac.com

Branches:

Abbotsford, B.C. Tel: 604-755-3927
Oakville, ON. Tel: 905-825-6377
Laval, QC. Tel: 450-625-4738
Nisku, AB. Tel: 780-955-8862

Empire Crane Co, LLC

7021 Performance Dr. Syracuse, NY 13212
www.empirecrane.com

E-mail: sales@empirecrane.com
Tel: 315-458-4101; 800-342-7575;
Parts: 315-701-4933

E-mail: sales@empirecrane.com

Branches:

Holbrook, MA. Tel: 508-868-7734
Luke@empirecrane.com
Bridgewater, NJ(NYC/NJ) Tel: 908-203-0400
sales@empirecrane.com

Exact Crane & Equipment Corp

www.ExactCrane.com
E-mail: Sales@exactcrane.com
Parts@exactcrane.com
Tel: 440-349-1999

Giuffre Bros. Cranes, Inc.

6635 South 13th Street, Milwaukee, WI. 53221
Tel: 414-764-9200

www.giuffre.com
E-mail: tproctor@giuffre.com

Branches:

CICERO, IL. Tel: 708-656-9200
e-mail: tproctor@giuffre.com

Coastline Equipment Crane Division

325 N. 5th Street, Bldg. A, Sacramento, CA. 95811

Tel: 916-440-8090
www.coastlinecd.com

Branches:

Santa Ana, CA.	Tel: 714-265-6550
Long Beach, CA.	Tel: 562-273-7013
Bakersfield, CA.	Tel: 661-399-3600
Oxnard, CA.	Tel: 805-485-2106
Santa Maria, CA.	Tel: 805-922-8329
Las Vegas, NV.	Tel: 702-399-2700
Elko, NV.	Tel: 775-777-7070
Meridian, ID.	Tel: 208-888-3337
Jerome, ID.	Tel: 208-324-2900
McCall, ID.	Tel: 208-634-3903

Transport Equipment Sales (TES)

www.tes-inc.net
E-mail: info@tes-inc.net
Kearny, NJ. Tel: 973-589-4100

www.manitex.com



MANITEX
ARTICULATING CRANES

Contact our Dealers

Giuffre Bros. Cranes, Inc.

6635 S. 13th St, Milwaukee, WI 53221
Tel: 414-764-9200
Beau Grassl
Sales Manager
e-mail: bgrassl@giuffre.com
www.giuffre.com

Giuffre Midwest Ilc

3401 S. Cicero Ave, Cicero, IL 60804
Tel: 708-656-9200
Todd Proctor
General Manager
e-mail: tproctor@giuffre.com
www.giuffre.com

**FIND A DEALER OR YOUR LOCAL SALES REPRESENTATIVE: WWW.MANITEX.COM
OR CALL THE MANITEX TEAM AT: 833-MANITEX (626-4839)**



© Terex Cranes 2019 Terex, the Terex Crown design are trademarks of or licensed by Terex Corporation or its subsidiaries

**FOR ALL OF
YOUR LIFTING
NEEDS**



Associated
WIRE ROPE & RIGGING
Tel: 1 310 448 5444
E-mail: sales@awrrinc.com

www.associatedwirerope.com

AMH™
**ALL MATERIAL HANDLING
Lifting Equipment**



Contact your
local dealer or visit
www.allmaterialhandling.com

SLINGMAX®
RIGGING SOLUTIONS

**OVER 30 YEARS OF
RIGGING SOLUTIONS**



www.slingmax.com info@slingmax.com

15700 S. Waterloo Road.
Cleveland, OH 44110-3898

JERGENSINC.COM/LIFTING
LIFTING@JERGENSINC.COM
877.440.LIFT (5438)



Jergens
MANUFACTURING EFFICIENCY

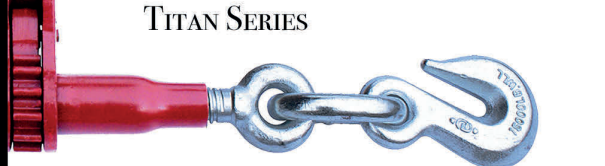
PRODUCTS, PARTS & ACCESSORIES

WHEN QUALITY COUNTS..

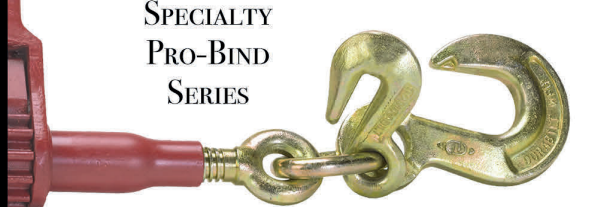
TRUCK-TIGHT SERIES



TITAN SERIES



**SPECIALTY
PRO-BIND
SERIES**



**SPECIALTY
BINDERS**



PRO-BIND SERIES



**DURAFOLD-DFX
SERIES**



..RELY ON THE LEADER.

durabiltusa.com
Tel. 708-223-0258
Fax 708-938-5374
info@durabiltusa.com



DURABILT[®]
DURBIN
Securing America's Cargo Since 1938



SUPERIOR LUBRICATION PRODUCTS

Reduce Friction - Protect Components - Improve Equipment Life



CONVENIENT



EFFECTIVE

For Over 15 Years, Lube-A-Boom has been the MOST TRUSTED NAME IN LUBRICATION.

IDEAL FOR:

- Cranes
- Forklifts
- Aerial Lifts
- Telehandlers
- Telescoping Booms
- Hydraulic Excavators
- Wreckers and Tow Vehicles
- AND SO MUCH MORE!

**CONTACT
A DEALER
TODAY!**



CALL 317-578-3961



EXTEND THE LIFE OF YOUR EQUIPMENT

and SAVE MONEY by using LUBE-A-BOOM®

THE ORIGINAL LUBE-A-BOOM AEROSOL

P/N 010105

- STOPS BOOM CHATTER
- EXTENDS WEAR PAD LIFE

Benefits:

- Superior heat and pressure resistance
- Longer lasting and better lubrication properties than competitors
- Meets or exceeds OEM standards
- Specifically designed for use in extreme cold and heat
- Excellent resistance to water washout and is saltwater resistant
- Will prevent rust and corrosion

Contact a dealer today!

www.lubeaboom.com



**Lubrication maintenance questions?
Need help finding the right lubricant?**

**OUR TEAM CAN HELP!
Call 317-578-3961**



**www.lubeaboom.com
sales@lubeaboom.com**



ORANGE MEANS GO.



DICAs down first.

That bright DICA color is a loud and clear statement:
you're at a top-grade operation that protects its people.
And you're ready to get to work.

DICAUSA.com | Get a quote: 800-610-3422

OUTRIGGER & CRANE PADS | GROUND PROTECTION
CRIBBING & BLOCKING | RIGGING





**Leading Manufacturer of
Products & Accessories for:**

- **Heavy Lifting & Rigging**
- **Mooring Systems**
- **Anchor Handling**



Shackles

Thimbles

Tri-Plates

Links

Hooks



Ph: 310.448.5444
sales@awrrinc.com

www.associatedwirerope.com

Ph: 310.522.9698
sales@watermansupply.com



SERVICE | PARTS | REPAIR | RESTORE | REPOWER

Side Frames Tired?

Call WHECO for an estimate. Return your crane to the income stream quickly and economically.

WHECO's track frame rebuild program is an economical alternative to replacement with new.



2021 AWARD
20 YEAR LONGEVITY

WHECO.COM
1-800-937-4772



Sales & Rentals

(610) 488-8969

BuckinghamEquipment.com

10 Birch Lane, Bernville, PA

BUCKINGHAM

STRUCTURAL MOVING EQUIPMENT

Designing and Manufacturing the latest in Rigging, Lifting, and Transport Equipment



Leading the industry with the new SmartJack System, allowing multiple unified machines to be linked together and perform as one unit.



Extending the efficiency and safety of your projects with the only Hydraulic Powered Dolly System utilizing fully computerized steering.



Synchronized Unified Hydraulic Jacking Machines



High Tonnage Jacks



Jacking Towers

RITTER

FOREST PRODUCTS



PROVIDING THE FOUNDATION FOR YOUR SUCCESS

CRANE • LAMINATED • DRAGLINE MATS

Beaumont, Texas
1.800.426.9570

Houston, Texas
1.866.673.4800

Sorrento, Louisiana
1.877.812.6909

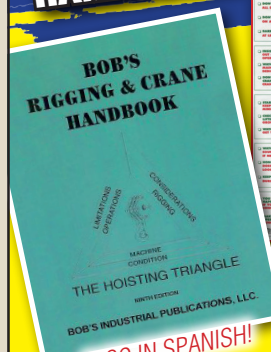
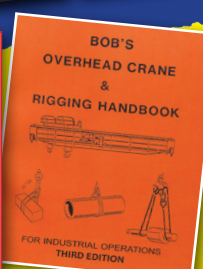
Sulphur, Louisiana
1.888.333.1925

Corpus Christi, Texas
1.888.596.6391

RITTERFOREST.COM

New

BOB'S RIGGING & CRANE HANDBOOKS & REFERENCE CARDS

BOB'S RIGGING & CRANE HANDBOOK

BOB'S OVERHEAD CRANE & RIGGING HANDBOOK

NEW 9TH EDITION

- TRAINING - RIGGING & CRANES
- RIGGING & CRANE SAFETY RULES
- RIGGING TRAINING PROGRAM EXAMPLE
- HORIZONTALLY MOVING LOADS
- WIRE ROPE TABLES
- WORKING LOAD LIMITS - SLINGS & HARDWARE
- ASME SAFETY STANDARDS
- OSHA REGULATIONS

ALSO IN SPANISH!

BOB'S INDUSTRIAL PUBLICATIONS, LLC

Bob's Industrial Publications, LLC.
Tel: 248-994-4006
e-mail: info@bobsindustrialpublications.com

www.bobsindustrialpublications.com



DON PELLOW
Engineering Consultant



ROPEBLOCK

Associated
WIRE ROPE & RIGGING
310-448-5444
SALES@AWRRINC.COM

WATERMAN
SUPPLY COMPANY
MARINE & INDUSTRIAL EQUIPMENT
310-522-9698
SALES@WATERMANSUPPLY.COM
ASSOCIATEDWIREROPE.COM

EQUIPMENT FOR SALE OR RENT

COASTLINE **562.273.7013** sales@coastlinecd.com
Equipment Crane Division
www.coastlinecd.com | HQ: Long Beach, CA

SALES | RENTAL | PARTS & SERVICE

"We Have What You Need – Call Today"

MANTIS

Manitex

TADANO

SKYJACK

SHUTTLELIFT

ELLIOTT

BRODERSON

MANITEX



bm35mj
2022 TADANO GR 800XL 80 TON
#99391 In Stock Sale Rent RPO



ax84lw
2014 SKYJACK ZB20044 #40710
\$110,000 - 20K Capacity - CALL



ax25mw
2019 MANITEX 30100C 30 TON
#80862 \$280,000 Sale Rent RPO



bm35mk
2020 MANITEX 26101C 26 TON
#82589 \$275,000 Sale Rent RPO



bl97dt
2019 TADANO MANTIS GTC 1200 130 Ton
#86798 \$1,185,000 Sale Rent RPO - Call



ao72xv
2016 TADANO GR 550XL 55 TON
#45188 \$290,000 SALE RENT RPO



ar66xq
2017 TADANO MANTIS GTC 800 88 TON
#73683 \$670,000 Sale RENT RPO



bm35ml
2022 MANITEX 1970C 19 TON
#99525 Tandem - Auto Trans Call



bl97dq
2016 TADANO GR 900XL 90 TON
#66261 \$515,000 SALE RENT RPO



bm25wj
2021 ELLIOTT M43R Stk# 102528,
2020 Dodge 5500 - Call Today



bg15tk
2020 BRODERSON IC200 15 TON
#93544 \$230,000 Sale Rent RPO



bl58kp
2021 MANITEX A62 - #102113
Dodge 5500 - Call For Price In Stock



Hill Crane Service, Inc., established in 1947, is a family-backed certified minority company with over 70 years in the crane and rigging industry.

"Our mission is to provide exceptional, innovative solutions that exceed crane and rigging industry standards, surpass customer expectations all while keeping with our multi-generational heritage".



RIGGING – We specialize in innovative solutions for the removal and replacement of components of any size, improving safety, reducing outage time, and reducing overall project costs.

TOOLS – Goldhofer SPMTs, Gantry Systems, Slide Systems, and Jacking Systems.

MARKETS – Chemical & Refining, Wind Energy, Electrical Infrastructure, Power Distribution, Nuclear Energy, Heavy Civil, Battery Energy Storage.

SERVICES – Cranes, Heavy Rigging, Machinery Moving, Onsite Heavy Transportation, Over the Road Heavy Haul Transportation, Transportation Services, Traffic Control, Component Storage.



www.hillcrane.com

FAMILY BUSINESS SINCE 1947

(800) 525-5859

CORPORATE OFFICE: LONG BEACH, CA - BRANCH OFFICE: RIALTO, CA

When Reliability is a Requirement Choose the Right Crane Rental

Need a LIFT?
CALL US TODAY FOR A QUOTE
718-784-1776



CRANES AVAILABLE FOR RENT NATIONWIDE

BRAND NEW!

Liebherr LTM 1450 Truck Crane
Mantis GTC 1200 Hydraulic Crawler

Crawler Cranes

Liebherr LR 1300 SX
Liebherr LR 1400/2
Liebherr LTR 1220
Mantis GTC 1200
Liebherr LTR 1100

Hydraulic Truck Cranes

Liebherr LTM 1500-8.1
Liebherr LTM 1450-8.1
Liebherr LTM 1350-6.1
Liebherr LTM 1300-6.2
Liebherr LTM 1250-5.1



Visit us Online...
www.CranesInc.com

AMERICAN CRANES & TRANSPORT

ACT

Advertise in the Marketplace!

The Marketplace will help
sell your...

- Product
- Parts
- Components
- Equipment for Sale or Rent
- Services

Call Bev O'Dell at:
816-886-1858
or e-mail: Bev.O'Dell@khl.com

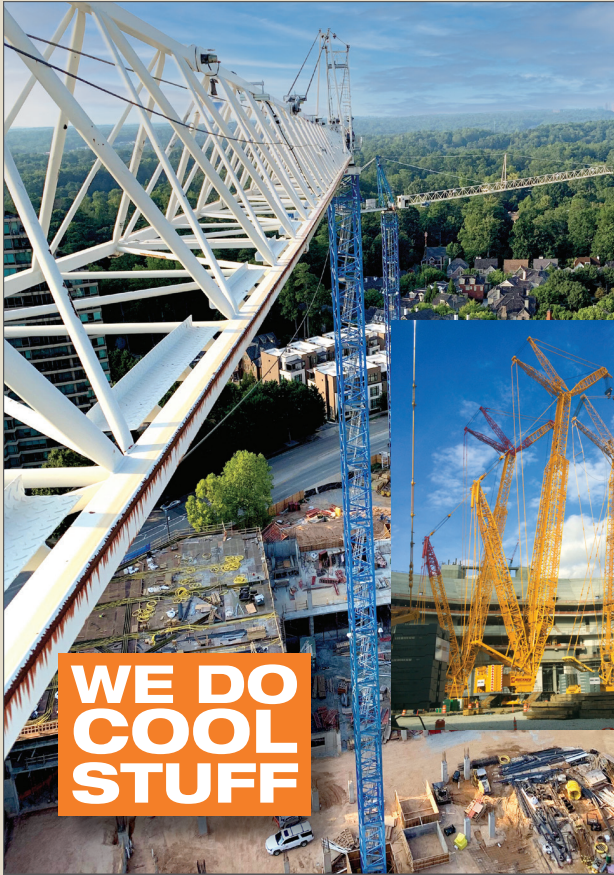
HIGH QUALITY FORKLIFTS built with riggers in mind



- 5 different models
- 17,000 lbs – 140,000 lbs lifting capacities
- Lp, Gasoline, and Battery powered models available, getting you into places other forklifts can't.
- Designed and built in the USA

VERSA-LIFT

785-594-7474
more information at www.Versa-Lift.com



CRANE INDUSTRY SERVICES™



CENTERED ON SAFETY

Certify Crane Operators & Riggers

Safety & Workforce Development

Lift Consults & Expert Advice

Inspections

Training, Simulations, Hands On & Qualifications

Call: 770-783-9292 – Humans Answer!

CraneIndustryServices.com

TRANSPORT & HEAVY HAUL



**SPECIALIZED HEAVY HAUL TRAILERS
CUSTOM DESIGN
BUILD & REPAIR**



TransMaster Trailers/Master Solutions designs, engineers and manufactures various types of trailers.



We offer a range of specialized trailers, such as; specialized multi-axle steering dollies, jeeps, oil field heavy duty step deck trailers, low boy detachable gooseneck trailers, counter weight trailers, perimeter frame trailers, extendable trailers, wind trailers and special high capacity steering capable trailers.

With our engineering capability, we are able to design and build customized complex trailer systems.



Sales: 814-648-2308

Office: (717) 243-6849

www.TransMasterTrailers.com

WE HAVE YOUR UPGRADE!

CALL US TODAY FOR UPGRADES ON YOUR...
MICROGUARD 404, 414, 424 & 434 SYSTEMS

ALSO IN STOCK...

**MG586, MG534, MG540, RC1510,
CABLE REELS, COMPUTERS**

Most upgrades calibrate in less than 30 minutes.
Call to verify your specific crane.



**Professional Service
& Repair Inc.**

Greer Platinum Distributor

Call Jeff Johnson today!

706-718-0856

WWW.PSRINC.BIZ



© Tadano Ltd. 2022

Your passion. Our DNA.

We love supporting our customers' passion for lifting. It shines through in every decision that we make, every product that we design and every challenge that we overcome.

You could say that lifting is in our DNA. That it is just part of who we are as people and as lifting solutions providers. As such, every one of our customers' lifts is just as important to us as it is to them and their business.

That's just who we are.
We are lifting. We are Tadano.