AMERICAN CRANES & TRANSPORT

AC&T SOURCEBOOK 2020

A KHL Group Publication

www.khl.com/act

- North American Crane Guide
- Manufacturers' and Services Directory
- Specialized Transport Manufacturers' Directory
- AC&T Top Lists
- 2020 Events Diary

NationsBuilders Insurance Services Provides Comprehensive Insurance for Crane and Rigging, Specialized Transportation and Equipment Dealer/Rental Industries.

Coverages Include:

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

SC&RA

NBIS is the SC&RA's Exclusively Endorsed Property and Casualty Insurance Provider

NBIS is a National Managing Program Underwriter, Loss Control Provider, Claim Adjusting Administrator and Reinsurer Specializing in Construction & Transport Insurance Programs Exclusively Through Agents/Brokers.

Editorial

Editor:
D.Ann Slayton Shiffler
e-mail: d.ann.shiffler@khl.com
Tel: 512 868 7482
Assistant editor:
Hannah Sundermeyer
e-mail: hannah.sundermeyer@khl.com
Tel: 913 259 8060
International editor:
Alex Dahm
e-mail: alex.dahm@khl.com
Assistant international editor:
Christian Shelton
e-mail: christian.shelton@khl.com
SC&RA Correspondents:
Tim Hillegonds, Mike Chalmers

Production

Production director:
Saara Rootes
e-mail: saara.rootes@khl.com
Production manager - KHL Americas:
Brenda Burbach
e-mail: brenda.burbach@khl.com
Senior production executive:
Anita Bhakta
e-mail: anita.bhakta@khl.com
Production assistants:
Charlotte Kemp
e-mail: charlotte.kemp@khl.com
Maria Clarke
e-mail: maria.clarke@khl.com
Design manager: Jeff Gilbert
Events design manager:
Gary Brinklow
Print & digital designer:
Mitch Logue
Designer: Jade Hudson

Circulation

Circulation & data manager:
Helen Knight
e-mail: helen.knight@khl.com
Office manager:
Samantha Head
e-mail: samanth.head@khl.com
Fax subscriptions to 312 626 2115

Sales

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

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

DIGITAL MEDIA DIRECTOR
Peter Watkinson
e-mail: peter.watkinson@khl.com
CHIEF EXECUTIVE OFFICER
James King
CHIEF FINANCIAL OFFICER
Paul Baker
CHIEF INFORMATION OFFICER
Paul Marsden
PRESIDENT & CHIEF OPERATING OFFICER
Trevor Pease

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

Published by

khl
www.khl.com

© Copyright KHL Group 2020

Our yearbook

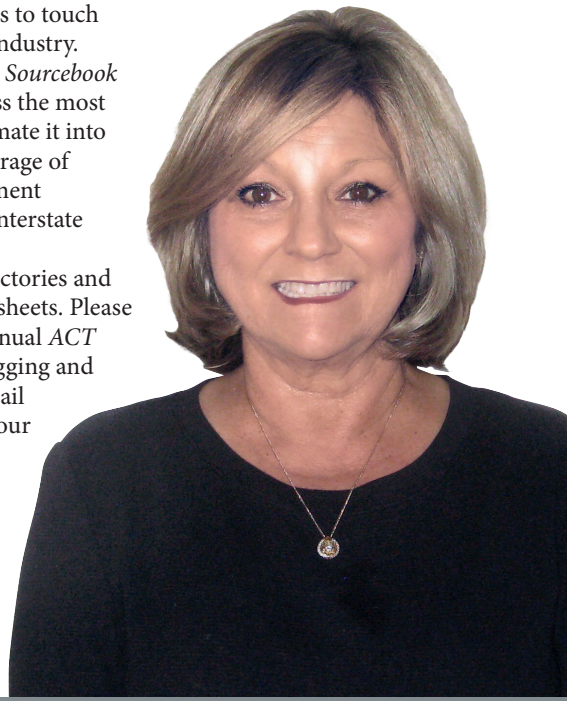
Designed as an annual yearbook of the crane, rigging and specialized transportation sector, the *American Cranes and Transport Sourcebook* features all of the most pertinent information printed in *ACT in* 2019, as well as our exclusive "North American Crane Guide." The *Sourcebook* is a mainstay in the digital and hard copy libraries of crane owning companies, OEMs and other industry leaders. This publication is the only place to find our annual *ACT* Top Lists, including the **ACT**100, **ACT**TRANSPORT**50**, **SPECIALIZED**LIFTING**50** and **ACT**TOWER**CRANE**50 all in one place.

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

The directory section of this publication is divided into two parts: the Specialized Transport Manufacturers' Directory and the Manufacturers' & Services Directory, the latter of which lists companies in 22 categories that provide products and services pertinent to the industry in North America. The 2020 *ACT Sourcebook* that you are now reading is delivered in hardcopy format, a downloadable digital issue or a tablet edition.

Producing the *ACT Sourcebook* each year allows us to touch base with our entire database of companies in our industry. And because of the cooperation of the industry, the *Sourcebook* has become a valuable resource. Our goal is to assess the most important information from each year and amalgamate it into this publication. The 2020 edition features our coverage of the SC&RA's Job of the Year Awards as well as pertinent information from the SC&RA, NCCCO, National Interstate Insurance and NBIS.

Many thanks to the companies that make our directories and guides possible by updating the surveys and spreadsheets. Please let me know if you would like to be a part of our annual *ACT* Top Lists and other surveys specific to the crane, rigging and specialized transportation industry. Send me an email and we will make sure to include your company in our 2021 edition.



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

Publisher's note/disclaimer

The *ACT Sourcebook* was compiled either by information obtained from an e-mailed survey or by using KHL's own custom developed on-line live database software to ensure that the information contained in these pages is as complete and accurate as possible. In some cases where equipment specifications were not updated, we relied on data supplied to the *International Cranes and Specialized Transport's World Crane Guide*, which was updated by the manufacturers in August/September 2019. *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 2020.

WOLFFKRAN

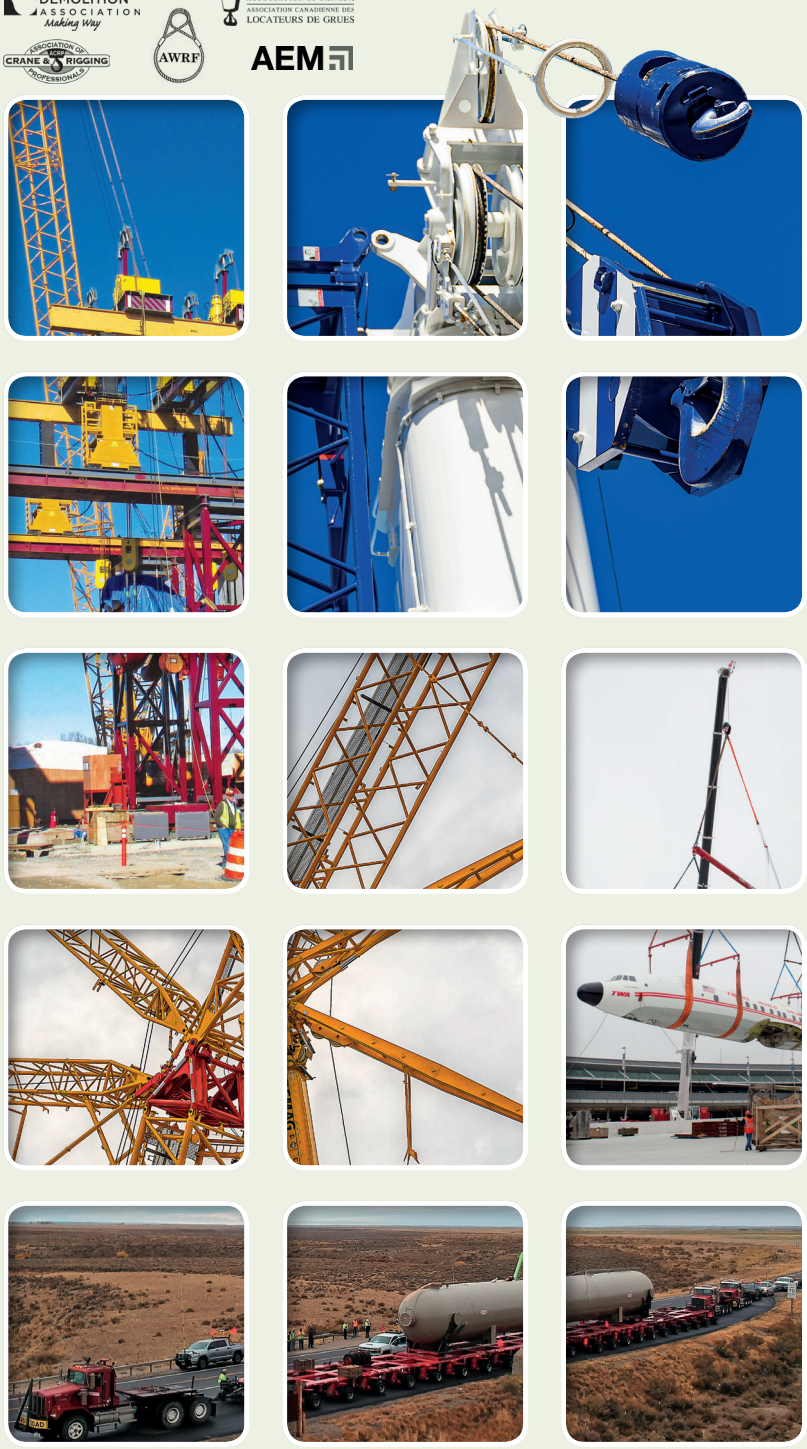
Rising high
in Manhattan

WOLFF works worldwide – as for example the WOLFF 355 B at 242 West 53rd Street in Manhattan's Theater District. WOLFF Luffing Jib Cranes are ideal for efficient high-rise lifting solutions in a tight urban spaces. Make cranesational WOLFFKRAN technology and service work for you. Join the leader of the pack: wolffkran.com

Der Leitwolf. *The leader of the pack.*

What's in the *Sourcebook*?

Member of



About KHL Group 7

Lift&Move USA 8

SC&RA Jobs of the Year 13

NCCCO News 28

SC&RA News 35

Risk Management 42

ACT100 47

ACTTRANSPORT50 57

SPECIALIZED LIFTING50 63

ACTTOWERCRANE50 69

Events Diary 72

Conversion Tables 74

Crane Guide 77

MOBILE CRANES 78

All Terrains 78

Rough Terrains 80

Truck Cranes 81

BOOM TRUCKS 82

CRAWLER CRANES 87

TELESCOPIC CRAWLERS 90

MEGA CRANES 91

TOWER CRANES 92

Luffing Jib 92

Saddle Jib 97

Self-erecting 105

ARTICULATING CRANES 107

INDUSTRIAL CRANES 113

RUBBER TIRED GANTRY CRANES 119

Specialized Transport Manufacturers' Directory 122

Manufacturers' & Services Directory 125

Marketplace 157

Official domestic magazine of the SC&RA

Produced in cooperation with the NCCCO

Rent & Roll!

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

www.linkbelt.com

Link-Belt® 24/7 Preferred

The online answer to all of your Link-Belt Crane questions.

YouTube Link-Belt Cranes

Like us on Facebook Link-Belt Cranes

@LinkBeltCranes

Link-Belt® CRANES

Lexington, Kentucky | www.linkbelt.com

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 and the UK, with supporting sales offices across the globe, offers the following products and services:

MAGAZINES

- Access International
- Access, Lift & Handlers
- American Cranes & Transport
- COMPRESSORTech²
- Concrete Latin America
- Construction Europe
- Construction Latin America
- Cranes & Projects Turkey
- Diesel Progress
- Diesel Progress International
- Demolition & Recyling International
- International Construction
- International Construction Turkey
- International Cranes and Specialized Transport
- International Rental News

www.khl.com/subscriptions

NEWSLETTERS

- Access International
- Access, Lift & Handlers
- Construction Europe
- 国际建设周讯中文版
- Crane Market
- D&Ri Newsletter
- Diesel News Network
- COMPRESSORTech² News
- Engine Room News
- ERA Rental Weekly
- Informative Semanal de Construção (Portuguese)
- International Rental News
- New Power Progress
- Reporte Semanal de Construcción (Spanish)
- World Construction Week
- World Crane Week
- World Demolition Summit

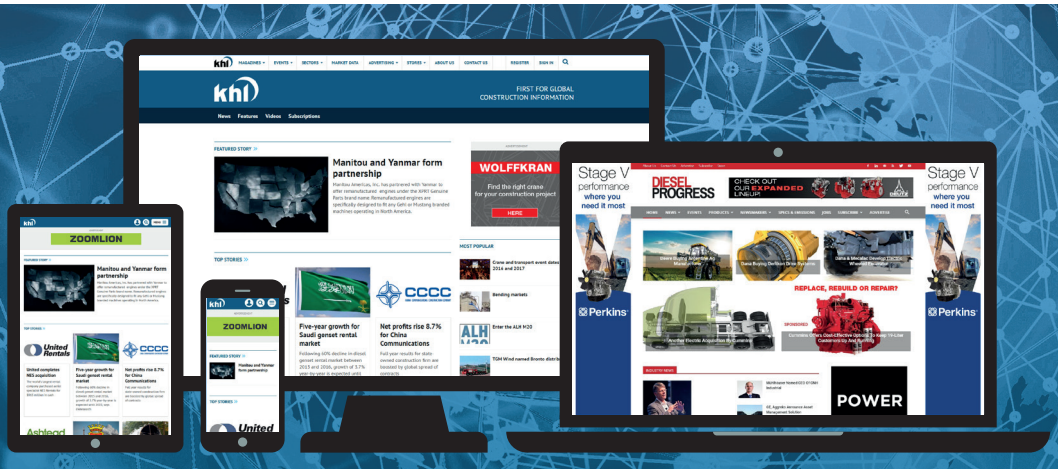
EXHIBITION/AWARDS/CONFERENCES

- ALH-CA
- APEX
- APEX ASIA
- Diesel Progress Summit and Awards
- European Rental Awards
- Europlatform
- ESTA Awards of Excellence
- IAPA
- International Cranes & Transport Asia Pacific
- International Cranes & Transport Latin America
- International Cranes & Transport Middle East
- International Cranes & Transport Turkey
- International Tower Cranes
- Lift & Move USA
- International Rental Conference Asia
- International Rental Exhibition (IRE)
- World Crane & Transport Summit
- World Demolition Summit
- World Demolition Awards

www.khl-events.com

SPECIAL REPORTS/DIRECTORIES & BENCHMARK STUDIES

www.khl-infostore.com



www.khl.com

INFORMATION THAT BUILDS AND POWERS THE WORLD

khl

The centerpiece of the program is regular events around the country.

Lift & Move USA gains momentum

Lift & Move USA is an industry-led initiative to promote career opportunities in crane, rigging, and specialized transportation operations. The program is aimed at high school and college students and career and technical educators. Events are typically attended by between 250 and 700 students.

Students have the opportunity to gain experience and get a feel for the trade by participating in mock interviews with industry leaders.

"Lift & Move USA engages students and educators in learning about the skills needed and careers available in this highly technical field, serving construction, manufacturing, power gen, petro-chem, highway and related industries," said Tracy Bennett, director, Lift & Move USA.

The centerpiece of the program is regular events around the country, hosted by major players in the industry, that showcase the opportunities to build rewarding and successful careers. The workforce development outreach initiative was founded by SC&RA, SC&R Foundation, NCCCO and KHL in 2015 to showcase careers in specialized transportation, crane and rigging operations.

Hand-on exploration

In 2019, Lift & Move USA held four career exploration events. In May of 2019, the program was hosted by companies in New York and Ontario, Canada. Boulter Industrial Contractors, in Webster, NY, featured equipment from Clark Rigging & Rental and Silk Road Specialized Transport. In addition to learning about technical skills specific to industrial contracting, Boulter Industrial Contractors gave students the opportunity to experience practical interviewing skills.

"In the age of social media, many young adults lack interpersonal skills and confidence when interviewing," said Brittany Bachman, marketing manager, Boulter. "As part of the programming for our Lift & Move USA event, we partnered with local businesses to provide

Students got an opportunity to sit at the controls of small cranes during the May 2019 event hosted by Boulter Industrial Contractors, Inc.

CM Labs sponsored all four 2019 Lift & Move Events as simulators were a main attraction in 2018.

Lift & Move was founded by SC&RA, SC&R Foundation, NCCCO and KHL in 2015 to showcase careers in specialized transportation, crane and rigging operations.

One of the most popular stations at the 2019 events featured students battling head to head on a variety of rigging races.

The program engages students and educators in learning about the skills needed and careers available.

mock interview exercises as an authentic learning experience."

On May 30, in Vaughan, Ontario, Canada, Lift & Move was hosted by Matcom and featured equipment from Anderson Haulage and other Ontario-based crane rental firms. In October in Longview, TX, the program was hosted by BOSS Crane & Rigging and Bennett International Group. Closing out the year was a November event hosted by Liebherr Cranes, USA.

One new activity that BOSS Crane & Rigging and Bennett International Group showcased was a blind spot demonstration using a tractor-trailer. The station objective was to communicate the importance of safety in transporting loads, as well as create awareness for the general public about how vehicles on the road can disappear from the truck driver's view.

"The largest issue facing the crane & rigging industry today is a shortage of skilled labor," said David Cowley, President, BOSS Crane & Rigging. "We're extremely excited to take an active role in helping to educate and encourage individuals pursuing career opportunities in these challenging and rewarding fields. I believe this initiative will help to address the surplus of jobs that are available, show that roles in our industry can be well paid and that there is an alternative for all of those people in which college and/or university degrees are not in their future. It is imperative that young people in our area understand the outstanding career opportunities that await in the crane and rigging industry."

Meanwhile, as a manufacturer, Liebherr had the opportunity to demonstrate the role service and technical support plays in the industry. Stations included instruction on hydraulic and electronic troubleshooting. The company's training centers turn out service personnel equipped to help owners get the best performance and safety out of their equipment. Liebherr showcased Liebherr tower cranes, LRT rough-terrain cranes, LTM mobile cranes, while event partners rounded out the event with rigging, transportation, logistics and engineering stations.

Key to success is the opportunity for employees of SC&RA member companies to share their personal stories about how they became involved in the business and their own career trajectories. It's critical to pique students' interest early in any number of relevant career and technical education (CTE) programs so they start down a path that may lead them to this industry.

Not surprising, according to the Association for Career and Technical Education (ACTE), high school graduation rates for students concentrating in CTE programs is higher than the national average. In addition,

>10

Events are typically attended by between 250 and 700 students.

a person with a CTE-related associate degree or credential will earn between $4,000 and $19,000 more per year than a person with a humanities associate degree.

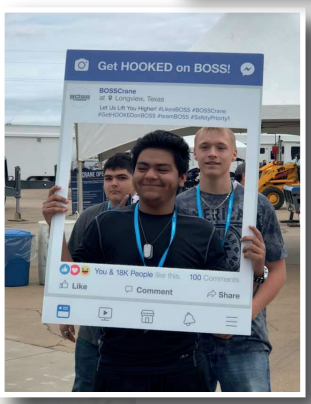
Industry-Education Partnerships

SC&RA has made a three-year commitment to be the anchor sponsor for Lift & Move USA. The SC&RF's (Specialized Carriers & Rigging Foundation) objectives are closely aligned with the Association's, and include expanding the SC&RF's role as a workforce development advocate through Lift & Move, educational assistance and key partnerships with member companies to offer free or reduced tuition on training for new recruits and industry employees.

Beginning in January 2020, Lift & Move USA will be transitioned under the SC&RF umbrella, thus providing greater opportunities for tax-free contributions and support from members and other future potential partners. This decision embodies the Association's larger push to continuously research and find solutions to the challenges that affect its valued members, and serves as yet another example of how SC&RA member companies continue to benefit as a direct result of the Association's advocacy efforts.

In addition, education and training grants provided by SC&R Foundation are available for students pursuing skills or certificate programs at technical or vocational schools. There are six grant application deadlines per year, as well as funding for training through SC&R Foundation's Partners in Education – Associated Training Services, Crane Inspection & Certification Bureau, Morrow Equipment Company, National Commission for the Certification of Crane Operators and Industrial Training International. For more information, visit http://www.scr-foundation.org/.

Attendees of Lift & Move can try their hand at a variety of on-site operations and equipment.



Attendees are encouraged to post to social media about their experiences throughout the day.

"Lift & Move USA works closely with regional contacts affiliated with SkillsUSA and the Association for Career & Technical Education to promote this valuable learning experience to students in the local area. Feedback from CTE instructors who have attended past events is always positive," said Bennett.

Two resources available through ACTE that SC&RA member companies may find useful are the Employer Engagement Toolkit and Building Advisory Boards that Matter. Purchase them at www.acteonline.org/shop.

SC&RA member companies are invited to participate in upcoming events. Contact Tracy Bennett at tbennett@liftandmoveusa.com for more information. ■

Liebherr exhibited its tower cranes, LRT rough-terrain cranes and LTM mobile cranes.

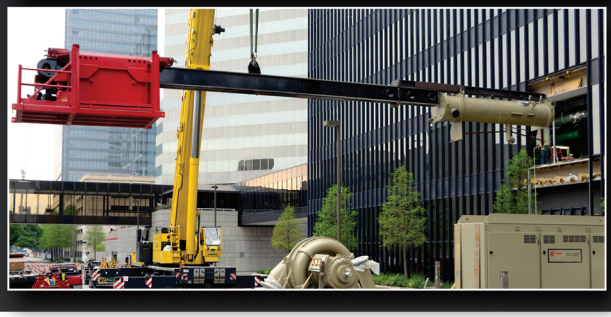
Experience the Progress.

www.facebook.com/LiebherrConstruction
www.liebherr.com

LIEBHERR

THINK BIG! THINK TNT!

Mobile Cranes up to 900 tons | Crawler Cranes up to 1500 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.

TNT CRANE & RIGGING
Est. 1985
Celebrating 35 Years

800.799.2505
tntcrane.com

THE TNT CRANE & RIGGING FAMILY OF COMPANIES

TNT CRANE & RIGGING
ALLISON CRANE & RIGGING
EAGLE WEST CRANES
RMS Cranes
Southway CRANE & RIGGING
STAMPEDE CRANE RIGGING

EXCLUSIVE SPECIAL SECTION

JOB OF THE YEAR **SC&RA**

Compiled by **Mike Chalmers**, **Tim Hillegonds**, **D.Ann Shiffler** and **Hannah Sundermeyer**

Outstanding!

14 RIGGING Under $150,000

15 RIGGING $150,000 to $750,000

16 RIGGING $750,000 to $2 million

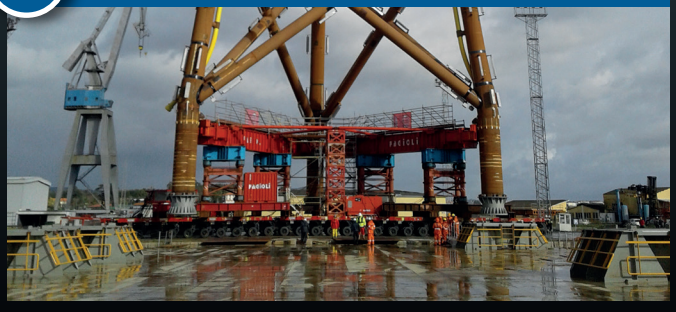
17 RIGGING Over $2 million

18 TRUCKING Under 160,000 pounds

19 TRUCKING 160,000 to 500,000 pounds

20 TRUCKING Over 500,000 pounds

21 MOVING With specialized equipment



EMMERT INTERNATIONAL

RIGGING
Under
$150,000

JOB SCOPE

PROJECT: **Jack and slide two thermal heaters**
HEIGHT: **17 feet 5 inches**
WIDTH: **15 feet 9 inches**
LENGTH: **45 feet**
WEIGHT: **168,010 pounds**
MAN-HOURS: **360**
EQUIPMENT USED: **500-ton Hydra-Slide jack and slide system**

Emmert jacks and slides two 168,000-pound thermal heaters across a pre-treatment facility.

On the right track

In October of 2018, Emmert International was contracted to jack and slide two thermal heaters – each 45 feet long and weighing 168,010 pounds – across a pre-treatment facility in Freeport, Texas.

The area where these heat exchangers needed to be offloaded was very congested, and it was determined after a survey that the use of a conventional crane to offload would not be safe or efficient. To move the heaters, Emmert opted to employ the use of its 500-ton Hydra-Slide system.

"Jacking and sliding the heaters also reduced site access point congestion, and there was no need for ground stabilization and multiple mats that would be required for a crane lift," said Terry Emmert, president of Emmert International.

Emmert constructed a 120-foot self-propelled track system elevated four feet above the ground on staging cans and supports that were placed every six feet along the track to maintain system integrity. The 500-ton Hydra-Slide system had to be installed to weave the heater through a maze of ground obstacles, as well as overhead process equipment, scaffold structures and pipe racks. At certain points during the slide, the heaters came within inches of nearby pipe racks. However, careful surveying, preplanning and engineering expertise allowed Emmert to safely move the heaters around the various obstacles within the facility.

A precise lift

For Emmert, lifting the heaters onto the track proved just as demanding as moving them. Each heater was 45 feet long, 16 feet tall and 18 feet wide.

To hoist the heaters onto and off of the slide system, Emmert placed four 100-ton jacks into jacking cribs on the bottom of each heat exchanger – before lifting them and transferring their weight to hardwood cribbing stacked beneath each jack point. Then, the Hydra-Slide track was cleared from the area by sliding it out from the north end of the staged heat exchanger. Once the track and support cans were removed, Emmert began lowering the heaters into place in a safe and controlled manner.

Consistency was key across the board, as Emmert had to successfully move not one but two heaters across the same heavily populated plant. After 80 man-hours of planning and 280 man-hours of execution, the move was ultimately a success.

Emmert used a Hydra-Slide system to maneuver the massive thermal heaters along a tight path with virtually no room for error.

RIGGING
$150,000
to
$750,000

BURKHALTER

Burkhalter extended two railway bridges and a section of Highway 280 as part of a TEXRail project.

Hole in the wall

In the fall of 2018, Burkhalter was contracted to widen a four-way point of transportation confluence near downtown Fort Worth, TX. Burkhalter dubbed the project "Hole in the Wall."

The Burkhalter team quickly found that widening the formerly single-track-sized hole would require widening Highway 280's pile cap and pilings, as well as widening the BNSF and UPRR rail bridges that run below it.

Four rail lines – the Union Pacific Railroad (UPRR), Burlington Northern Santa Fe (BNSF), AMTRAK's passenger rail line and the Trinity Railway Express (TRE) regional commuter line – and their respective schedules all converge where the Hole in the Wall stands, and the highway itself can only be closed for small periods of time. Burkhalter faced a tight space, and even tighter operative schedules.

Bridge sets a bridge

First, Burkhalter and their client, Archer Western-Herzog, built the new, wider UPRR and BNSF bridges just a few yards away from the site. Each new bridge was fully preassembled on storage beams and stands before being loaded onto a Goldhofer SPMT and moved, with the help of Hilman rollers, onto a temporary bridge consisting of Burkhalter runway girders set across the Hole.

A temporary mid-span pier was developed by Burkhalter and engineers from Genesis Structures to increase the runway girders' weight capacity and mitigate a railway path skew of 54 degrees on the tracks above.

"The project was challenging to lay out," said Burkhalter CEO Delynn Burkhalter. "Not only did we have the 54-degree skew, but also the bridge's center of gravity was not the centerline of the bridge. We had to ensure the bridge center of gravity was in the center of the SPMT."

Once in place, the new bridges were lifted from the SPMT by a J&R hydraulic gantry system, installed below. Once the SPMT cleared the area, the runway girders were reverse-launched and the new, wider BNSF Bridge – weighing 605,931 pounds – was permanently set in place and Phase One was complete. The same process was repeated in phase three with the new and wider UPRR Bridge. The UPRR Bridge, however, weighed 65,000 pounds more.

Night lift

Phase Two of the project was the Highway 280 cap replacement. This involved using a fully automated Enerpac BPU-750 to lift the active highway bridge (weighing 1,334,000 pounds) approximately one inch during a night closure to facilitate the removal of the existing pile cap, install a longer pile cap to straddle the newly widened area below it and then set the Highway 280 bridge back down onto its supports.

Work was completed ahead of schedule, despite above-average rainfall in October and around-the-clock work outages. The Burkhalter team thought outside the box and used cutting-edge lifting and rigging to effectively complete a complex job with finesse and skill.

>16

The extremely tight space meant minimal side clearances and small areas for expanding the bridges and lifting Highway 280 for its extension.

JOB SCOPE

PROJECT: **Widen a railway access track beneath existing tracks and highway and perform three bridge lifts and replacements in the process**
HEIGHT: **33-foot gantry height**
WIDTH: **girder width of 12 feet**
LENGTH: **girder length of 118 feet**
WEIGHT: **BNSF Bridge - 605,000 pounds Hwy 280 section - 1,344,000 pounds | UPRR Bridge - 670,000 pounds**
MAN HOURS: **2,775**
EQUIPMENT USED: **e-steered Goldhofer SPMTs | 500-ton J&R hydraulic gantry system | Burkhalter runway girders | temporary mid-span pier | grillage beams | Hilman rollers | fully automated and computer-controlled Enerpac BPU-750**

RIGGING
$750,000
to
$2 MILLION

FAGIOLI

JOB SCOPE

PROJECT: **Stacking and de-stacking operation of a 997-ton GTG module**
HEIGHT: **11 feet 2 inches**
WIDTH: **15 feet 9 inches**
LENGTH: **57 feet 7 inches**
WEIGHT: **Just over 997 tons**
MAN HOURS: **3,600 onsite, 1,500 engineering**
EQUIPMENT USED: **strand jacks | skidding system | towers | PPUs | manlifts | water level indicators**

The Fagioli stacking and de-stacking operations were operationally executed in 24 hours for each single activity after a month of ground preparation and equipment assembly.

Fagioli performed a precision stack and de-stack.

Legendary lift and skid

In late 2017 and into 2018, Fagioli was called to execute the operation of stacking and de-stacking a 997-ton GTG module. After the necessary tests executed by the client, Fagioli de-stacked the module in 2018 in order to ship the two modules separately for their final destination.

For the execution of the project, Fagioli came up with the idea to lift the module and skid it – hanging to the tower-lift system. Key equipment utilized included towers, strand jacks, PPU for strand jacks, skid shoes, forklifts, manlifts, a Theodolite and a water-level indicator.

In Phase One, the load was taken and lifted – the trussed beams were connected to the upper GTG module. The skid shoes for skidding were positioned, and functional control was already done. After the inclinometer sensor was installed onto the module, it was tested before the actual operation started.

"The load was gradually lifted with strand jacks on the lifting towers – with steps of 20 percent of the expected final load, while checking tower verticality, module planarity and skid tracks settlement," said Fagioli's Edoardo Ascione. "Once the strand jack system took the load of the entire module, the skid shoes started moving."

Checks and rechecks

The load was checked in the skid shoes system according to the expected values until the stroke was 100 millimeters. Fagioli proceeded with lifting steps by means of strand jacks until the module was lifted 500 millimeters from the pin guide of the lower GTG module.

In Phase Two, before the first skidding of the upper GTG module began, the vertical stroke was set to around 100 millimeters. This process went off without incident. Fagioli operators kept the vertical loads of the main cylinders and horizontal loads of push-pull system under control via computerized systems. While proceeding with the skidding steps, the strand jack loads on each tower were adjusted according to predefined values by means of strand jacks and skid shoes. The module was then ready for lowering.

In Phase Three, the module was lowered to 500 millimeters from the top of the foundation. At each stroke, load tolerances were checked by computer, and Fagioli operators proceeded with the lowering operation until the module was at the designed elevation. Thus, the module was ready for the second skidding.

In Phase Four, Fagioli executed the second skidding with the first stroke of pull/push piston, and proceeded with skidding until the module was in the final longitudinal position on its foundations, and then unloaded – encompassing Phase Five.

When the upper GTG module was approximately 200 millimeters from its foundations, the alignment was verified, and the load was again gradually transferred in steps of 20 percent. At each load step, Fagioli checked that there was no abnormal deflection on the module structures, on the tower system or no major settlement of the skid tracks.

Comprising 15 total Fagioli personnel, including five engineers, this precision job required an extremely high level of focus, constant rechecks and extreme safety precautions. ■

RIGGING Over $2 MILLION

BARNHART

JOB SCOPE

PROJECT: **Assembly of 37 press components**
HEIGHT: **Lift was approximately 100 feet and was lowered an additional 80 feet**
WIDTH: **separate lifts of 42 feet and 6 feet**
LENGTH: **Cylinder needed rotated 180 degrees**
WEIGHT: **Eight pieces ranging from 250,000 to 732,000 pounds**
LIFTS: **Two lifts at just under 3 million pounds/ one lift at 4.4 million pounds**
ENGINEERING HOURS: **35,000-plus**
EQUIPMENT USED: **500-ton gantry | 32 powered rollers with integrated jacks | slide system beneath strand jacks for side-to-side movement | Goldhofer SPMT | custom load-spreading beam and tower sliding shoe | steel crane mats**

Barnhart's press assembly project comprised 3,500 engineering hours and over a year of planning.

Barnhart Crane & Rigging assembled one of the world's largest presses.

Piecing it together

In February 2018, Barnhart Crane & Rigging completed a project whereby they received 37 press components from the Port of Long Beach, CA, ranging from 250,000 to 732,000 pounds, transported the pieces to the site and assembled the largest hydraulic forging press in North America. The contract included unloading the equipment, moving it into the building, assembling the pieces into the larger components and then set the equipment to the foundation.

To assemble the press, Barnhart would upend and lift eight pieces around 700,000 pounds, perform two lifts at just under 3,000,000 pounds and make one epic lift at 4,400,000 pounds. The the facility had a maximum ground bearing of 10,000 PSF.

"After our initial engineering, we realized that several improvements would need to be made," said Barnhart's Chris Howe. "The first challenge we had was ground bearing. To help spread the load, we started with a double layer of steel crane mats. We then designed and fabricated a custom load-spreading beam and tower sliding shoe, which would evenly spread the load over the entire base of the tower."

The first major lift was the lower cross head, which, once assembled, was approximately 42 feet wide, 14 feet tall and weighed 2,500,000 pounds. Fitting the pieces was a challenge since they had to be within twenty thousandths of an inch alignment in order to install the tie rods.

Cylinders set

Piece by piece, Barnhart meticulously put together the various components, which required multiple innovations. The lift tower was equipped with four strand jacks, and all the rigging was done using an adjustable rigging link system, which provided versatility and eliminated wire rope. Multiple pieces were shipped in the horizontal position and had to be assembled to make up the main hydraulic cylinder – which, along with the piston, was eventually rotated 180 degrees so the piston could be installed downward. This lift was accomplished with the lift tower assisted by the gantry tailing the cylinder.

Once the cylinders were in the correct orientation, they disconnected the tailing rigging and the lift tower and strand jacks took full control of the lift, slowly and safely lowering all four of the 650,000-pound hydraulic cylinders into their final location on top of the lower crosshead.

Having the main cylinders set allowed Barnhart to make the largest lift – the foundation crosshead – which, once assembled, was 50 feet wide, 26 feet tall and weighed 4,400,000 pounds.

The Barnhart team designed, fabricated and load-tested over 40 custom pieces of equipment. In total, 3,500 engineering hours were used to develop the execution plan for the project.

>18

OMEGA MORGAN

TRUCKING
Under 160,000 Pounds

JOB SCOPE

PROJECT: **Transporting three ozone contact tanks**
GROSS WEIGHT: **50,250 pounds**
LENGTH: **34.67 feet**
HEIGHT: **22.16 feet by 21.25 feet**
ROUTE: **39 miles**
MAN HOURS: **4,500**
EQUIPMENT USED: **Perimeter deck trailers with low pro carriers | K25 platform trailers**

Omega Morgan's innovation centered on solving extreme route challenges, keeping the tight schedule and not modifying or damaging the ozone tanks.

Omega Morgan solved a crazy amount of problems along a 39-mile route.

A tedious journey

Omega Morgan transported three ozone contact tanks from a Newberg, OR fabricator to a water treatment facility in Hillsboro, OR. The project was secured on May 11, 2018 and finished less than two months later on July 1. The vessels were loaded onto Omega Morgan's perimeter deck trailers using overhead cranes.

By far the biggest challenge was determining and executing the route.

"We had to find a route that could accommodate two loads at the same time with the least amount of utility work required so we could meet our customers deadline of less than 30 days from time of notice to proceed," said Project Manager Erik Zander. "We accomplished this by assigning two project managers along with one permit tech, one engineer and two superintendents in the initial planning."

Constant issues

The two biggest safety considerations were utility work and traffic congestion during the two-night journey.

A huge number of wires needed to be lifted and removed. Typically, Omega Morgan hires a company that is certified to move power to handle the high and low voltage conflicts. But the local power companies didn't want a subcontractor to handle the work, so Omega Morgan hired individual companies along the route to move their associated conflicts. This was challenging because five to eight utility trucks must travel with the convoy and maneuver around it on the narrow, two lane roads. With the short window for planning, identifying and securing the services of the utility companies was complex.

Including pilot cars, traffic control and the utility vehicles there were more than 20 vehicles in the convoy at any given time. Finding safe locations to clear traffic and move around support vehicles was a constant concern.

In some places there wasn't space to set up the bucket trucks to lift the lines. They had to be placed in fields to make their lifts.

The key to expediting this move was to keep the overall travel height as low as possible, Zander said.

"After our review of the tanks, our engineering team realized if the vessel was rotated 6 degrees the overall ride height could be lowered by 4 inches," Zander said. "We utilized some low-pro 4-inch carriers as well. Omega Morgan also built custom saddles that accommodated the nozzles on the vessel to save even more height."

With safety a constant concern, the superintendent acted as the safety officer for the three hauls. There were daily crew safety meetings and constant over-route communication with DOT and utility companies.

Prior to arriving to the treatment facility, Omega Morgan team had to transload the vessels using its K25 platform trailers to place them within reach of cranes for final placement. ■

TRUCKING
160,000 to 500,000 Pounds

FAGIOLI

Fagioli was contracted to move two 170-ton rotors via roadway to a power plant located in the mountains of Premadio, some 1,250 meters above sea level.

Narrow navigation

Journeying through narrow mountainous roads and tiny Italian villages where intricate travel accommodations were necessary, a nine-night venture by Fagioli was completed in March to April 2018. The company utilized its know-how to complete the project, thanks to expert engineering, tip-top organization and a bevy of equipment. Fagioli was called for the transport of two rotors weighing 170 tons each from Genova up to Premadio, Italy.

The rotors were loaded and secured onto Fagioli's transport system that included 2 by 11 axle lines rigged with 180-ton girder beams. The convoy length was close to 61 meters, and the trip would span 450 kilometers.

"To comply with the fact that the transport was due to be executed up to the mountains and over the only roads available, Fagioli was in strict contact with all local authorities of three Italian regions in order to be as quick as possible to execute the installation of over bridge structures, and to find the right places to rest the long convoy avoiding traffic movement," said Edoardo Ascione, president and managing director, Fagioli Americas.

Easy does it

During the fourth and fifth nights, Fagioli executed the installation of two over bridge structures, at 17.7 meters each, in order to pass two bridges with low capacity. Arriving in Lecco, it was necessary to use six axle lines of SPMTs provided with 2 by 5-meter towers to reinforce a ring road bridge. The trip was becoming more challenging as the convoy passed through small towns, roundabouts and tackled 33 kilometers of hills and bends during the trip.

The team also had to reconfigure reinforcement structures under a bridge in Morbegno, after the length of the structure didn't allow safe passage. Fagioli executed the transport with a 20-meter-long over bridge structure. In Bormio, the convoy was reduced with the support of two mobile cranes which lifted the rotors and positioned them onto a 12-axle line modular trailer.

On the ninth and final night, Fagioli completed the last three kilometers of the epic journey from Bormio to the Premadio power plant. Once outside the power plant, Fagioli used an EZ600 ton capacity gantry lifting system to modify the configuration of the convoy for the third time to accommodate the steep slope. The convoy entered the 500-meter-long tunnel supported by the use of two trucks at the back.

>20

Fagioli transported two rotors weighing 170 tons each from Genova up the mountains to Premadio, Italy.

JOB SCOPE

PROJECT: **Transport two rotors up mountains in Italy**
GROSS WEIGHT: **170,000 tons**
LENGTH **118 feet**
WIDTH/HEIGHT: **3.8 meters wide, 3.9 meters high, including the trailers, 4.9 meters**
ROUTE: **450 kilometers**
MAN HOURS: **5,800**
EQUIPMENT USED: **2 by 11 axle lines modular trailer | 1 by 12 axle lines modular trailer | 1 by 10 axle line modular trailer | six trucks | 1 by 6 axle lines SPMTs | gantry lifting system | five overbridges | steel plates | wooden plates | mobile cranes**

BARNHART

TRUCKING
Over
500,000
Pounds

JOB SCOPE

PROJECT: **Haul three slug catcher vessels**
WEIGHT: **644,000 pounds each**
GROSS WEIGHT OF HAUL: **1,153,000 pounds**
PERMITTED LENGTH: **350 feet**
PERMITTED WIDTH/HEIGHT: **20 feet wide, 19 feet 3 inches tall with axle loadings of 42,400 pounds per line**
ROUTE: **730 miles**
MAN HOURS: **7,242**
EQUIPMENT USED: **2X Goldhofer THP/CA 11-line dual lane trailers | 6 and 7-foot wide dollies | transport saddles**

Transporting three slug catcher vessels across the Continental Divide required an extreme level of expertise.

New territory

Barnhart was tasked with hauling three huge slug catcher vessels from Pocatello, ID to natural gas facilities in Fort Lupton, CO and Hereford, CO. The job was awarded in April 2018 with a delivery date of "no later than Thanksgiving Day," seven months later.

The first task for Barnhart's Long Beach engineering team was to develop a trailer configuration. Due to Colorado regulations, axle weights had to be at or below 42,400 pounds per line.

Working with Goldhofer engineers, a system of Goldhofer THP/CA dual lane trailers with self-tracking bolsters was configured. Because the permanent saddles on the vessels did not allow for enough axle lines, Barnhart custom designed transport saddles, added more securement points to the bolsters and fabricated four compression securement struts. The compression struts secured the permanent saddles on the vessel to the transport saddles on the bolsters to meet securement requirements.

Route challenges

The trailer configuration and securement plan were accepted in May. The next step was creating a viable route through Idaho, Wyoming and Colorado. De-rated bridges in Wyoming and highway construction in Colorado were obvious obstacles. A third-party bridge engineering firm evaluated every structure on the route. Barnhart created three routes through Wyoming and chose the one with the least de-rated bridges – four. In Colorado, the best route was through a construction zone where a new roundabout was being constructed. It was a rare approval from the state of Colorado.

In September, the trailer system was built alongside the first vessel in the customer's crane bay. Using two overhead cranes, the vessel was lifted, side shifted and placed onto the trailer and secured.

Pulling out of the plant in Pocatello, the first challenge was a 90-degree left hand turn that was made in one shot. The team made it to the Wyoming state line in two nights. At this point they could travel during the day, but 4 to 8 percent steep mountain grades, a snowstorm and the four bridge crossings slowed travel.

It took about 3.5 months to complete engineering and get regulatory approvals – 37 permits in total.

Intricate maneuvers

The first bridge was bypassed with a roadway road detour. The second bridge required a crab maneuver by traveling the front trailer section in the eastbound lanes and the rear trailer traveling in the westbound lanes. For the third bridge, eight wing dollies with custom-built mounting brackets were added to the THP/CA trailers. The fourth bridge was actually a culvert that Barnhart used its 60-foot long bridge jumpers to cross.

The first leg of the Colorado route was performed at night to get through the construction. The second leg was in the daytime due to lack of utility support. A hard left turn in Fort Collins was executed in one shot for each vessel. Police and highway patrols in all three states escorted the load, in addition to utility trucks and Barnhart's safety and bucket truck crews.

MOVING
With specialized equipment

JOB SCOPE

PROJECT: **Transport, load out 42 jackets with a tailor made structure**
WEIGHT: **644,000 pounds each**
GROSS WEIGHT: **Maximum of 950 tons**
PERMITTED LENGTH: **32.6 meters**
PERMITTED WIDTH/HEIGHT: **25.9 meters wide, 66 meters high**
MAN HOURS: **1,985**
EQUIPMENT USED: **Tailor made transport system | 46 axle line SPMTs | climbing jacks | support towers | winches and mooring equipment**

Fagioli's jacket transport project involved five different types of jacket structures, each with its own dimensions. Each had to be quickly and safely loaded out onto 11 barges for sea transport.

Fagioli transported and loaded 42 jacket modules with a custom Jacket System Transport Structure in Spain.

Tailor-made transport

Fagioli was contracted for the weighing, transport and load out operations of 42 jacket modules, weighing up to 950 tons, in Spain from the manufacturing area to load out quay. With five different typologies of jackets, the larger models were a remarkable 66 meters high, 32.6 meters long and 25.9 meters wide.

"We had to take into consideration how to speed up the load out operations in a safe manner, considering the dimensions and weight of the modules and the 11 barge voyages that were planned for the sea transport," said Edoardo Ascione, president and managing director, Fagioli Americas. "In addition, we had to factor in how to avoid delays due to wind and bad weather conditions, and execute the load out activity onto a barge to take the load of four jackets positioned in a row."

The team decided to use SPMTs divided in two rows, 2 by 14 meters and 1 by 18 meters, for the transport of each single jacket. On top of this configuration, Fagioli fabricated a solution to build a tailor-made frame structure. The structure was composed of two transport beams, eight capping beams, 16 guy journals, eight tower sections, four beams, two additional structures, two base frames, spreader mats and spreader beams. Jackets were then transported from the fabrication area to the temporary storage area, and then loaded onto the barges. During the jacket site transport, the load was imposed through the SMPTs spine beams.

Custom solution

The main challenge was to create a frame structure which was able to lift the jackets and execute the load out operations. Fagioli found the solution with a retractable edge main beams with moveable stoppers, positioned at nine meters above ground. The SPMTs then took the load with the frame structure and lifted the jackets.

After executing the weighing operations, Fagioli moved the jackets to the storage area using the frame system. The jackets were provided upper grillage for the sea transport. After this, a 128-meter barge was waiting for the load of four jackets.

The tailor-made structure reduced dimensions compared to those used in the past for kind of jacket. The reduction in width dimension allowed modules to be loaded and positioned onto the barge at the same time that the SMPTs with frame structure were able to come back to take the modules.

>22

ADDITIONAL ENTRIES

2019 brought one of the most competitive SC&RA Job of the Year contests ever.

Amazing feats

Winning a SC&RA Job of the Year trophy is a significant honor that is respected industry wide. Even entering the contest is prestigious because the jobs presented are amazing on every level. This year's contest featured some 24 jobs that were performed at jobsites around the world. They represent remarkable engineering performance, innovative applications and creative equipment usage.

Following are overviews of the jobs that did not win but were victors just the same. Look for Site Reports chronicling these jobs in the coming months in *American Cranes & Transport.*

Irving Equipment

RIGGING
Under $150,000

BARNHART transported an electrical shelter box through a plant with significant height clearance issues before the box was offloaded by a crane and set onto its foundation. No incidents or injuries were reported during Barnhart's tight but successful transport.

Turner Industries

TURNER INDUSTRIES used a unique hook-style cantilever beam to retrieve a velocity recovery ring from atop a flare structure 208 feet in the air – while the hydrogen flare was still in operation. In only four days, one-of-a-kind rigging hardware was designed and fabricated, and a crane with over 250 feet of luffing jib was built.

Barnhart

RIGGING
$150,000 to $750,000

BARNHART successfully and safely removed and replaced a 45,000-pound heat exchanger in tight quarters at an active, online plant.

EMMERT INTERNATIONAL engineered and lifted a move to set two neutrinos reactors last August.

IRVING EQUIPMENT transported and lifted two 238-ton refinery process modules into place at an oil refinery. The modules were loaded onto a barge via SPMT on New Brunswick, Canada's Atlantic coast, where tides can reach fifty feet. The job presented unique environmental considerations and a challenging equal-load lift.

OMEGA MORGAN lifted and set 20 structural steel and concrete columns at the ground level of Seattle's 2+U high-rise building project. Steep grades, low allowable ground bearing pressures, trolley wires and road closure restrictions all presented significant challenges and required custom rigging designed to upright the columns with a single crane.

ADDITIONAL ENTRIES

Emmert International

RIGGING
$750,000 to $2 Million

BARNHART CRANE & RIGGING removed and replaced a vertical acid tank weighing 260,000 pounds using a fabricated lifting base in conjunction with a 500-ton slide system and 750-ton turntable. This enabled the tank to be moved in its vertical position through a clear pathway to a position where it could be extracted using a 600-ton crane.

Omega Morgan

EMMERT INTERNATIONAL engineered a custom tower arrangement to lift and set six components – which were lifted 40 feet and traveled 35 feet to foundation pads – through a congested work area. Rough set and alignment of each component had to be performed while not interfering with existing building structure. No other work could be obstructed for installation.

RIGGING
Over $2 Million

ALE completed a project in Lagos, Nigeria, which required lifting six modules onto an FPSO. The modules were lifted over the top of the FPSO and existing modules before being lowered into their final position. Lift weights were between 335 and 3,000 tons. ALE deployed its unique AL.SK350 crane and heavy-duty jib, the world's largest capacity land-based crane, for its small footprint and large outreach. During the project, ALE broke an industry record by performing the heaviest ever land-based crane lift using a jib to lift a module weighing 2,810 tons.

TRUCKING
Under 160,000 pounds

EMMERT INTERNATIONAL engineered and expedited the move of a 150,000-pound storage vessel from Houston, Texas, to Hutchinson, KY.

TRUCKING
160,000 to 500,000 pounds

BARNHART transported a 288,800-pound heat exchanger with a Dual-Lane Goldhofer. The haul was 1,600 miles long, crossing six states and totaling over 2,000 man-hours.

BERARD TRANSPORTATION moved two vessels from the Port of New Orleans to a refinery just outside the city of New Orleans. Both vessels were received onto a deck barge that traversed shallow fishing channels, to a roll-off site where they were then transported 60 miles to a refinery.

EMMERT INTERNATIONAL transported press components weighing an average >24

ALE

ADDITIONAL ENTRIES

Tradelossa

of 300,000 pounds through 12 cities, four counties and central Detroit. The firm built custom brackets to lower loads below railroad trestles and ultimately completed a 600-mile haul with zero incidents.

TRUCKING
Over 500,000 pounds

TRADELOSSA transported a 606,270-pound generator 571 miles from the Port of Altamira, Tamaulipas, to a power plant in Zapotlanejo, Jalisco. The route included roadblocks, tollbooths, power lines, bridges, mountain slopes and eroded or damaged pathways.

MOVING
With specialized equipment

DEEP SOUTH CRANE AND RIGGING moved two coke drums weighing 490,725 pounds each. The drums were loaded onto a ship in Aviles, Spain, crossed the ocean, moved onto a deck barge in the Port of New Orleans, rolled off the barge via custom engineered earthen ramps and finally lifted into the staging area at a refinery.

Deep South Crane & Rigging

EMMERT INTERNATIONAL loaded and moved a 400-foot by 100-foot transit shed last summer. The route went through an active port that could not be shut down during the operation.

HOIST FR 25/35 & 40/60 DESIGNED WITH RIGGERS IN MIND
New Equipment In Stock for Purchase & Rental

FR 25/35 - 25,000-35,000 lbs capacity
Purchase Price - $205,000

FR 40/60 - 40,000-60,000 lbs capacity
Purchase Price - $252,000

Daily, Weekly & Monthly Rental Available - Call for Pricing

WE ALSO BUY USED EQUIPMENT!

FORKLIFT EXCHANGE INC
WHOLESALER OF USED MATERIAL HANDLING & CONSTRUCTION EQUIPMENT

Call or visit us for more info
630-254-2210
maxx@forkliftexchange.com
www.forkliftexchange.com

a1asoftware.com | 904-430-0355

a1 Software

Your Data, Your Way

The Leader in 3D Lift Planning

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

iCraneTrax

- Sales & CRM Tools
- GPS, Telematics & Maintenance Info
- Dispatch & Documentation
- Detailed Reports

Plug & Play Telematics

- GPS Tracking
- Maintenance Scheduling
- Faults/Alerts Notifications
- Usage Data

3D Lift Plan

- Realistic 3D, Animation, Import Google Earth or CAD
- Outrigger & Crawler Loads
- Detailed Rigging Plans
- Largest Database of Cranes

Certification guide

A review of NCCCO 2020 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. Accredited by ANSI to the international standard ISO 17024, they are officially recognized by federal OSHA as meeting or exceeding ANSI/ASME requirements, and are endorsed by all leading insurance providers and industry membership associations:

Mobile Crane Operator

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

www.nccco.org/mco

Tower Crane Operator

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

www.nccco.org/tco

Overhead Crane Operator

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

www.nccco.org/oco

Articulating Crane Operator

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

www.nccco.org/aco

Digger Derrick Operator

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

www.nccco.org/ddo

Dedicated Pile Driver Operator

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

www.nccco.org/dpd

Drill Rig Operator

The Drill Rig Operator (DRO) certification program, launched in 2018 in conjunction with ADSC – The International Association of Foundation Drilling, consists of separate certifications for operators of Foundation Drill Rigs (FDR) and for Anchor/Micropile Drill Rigs (AMP). As with other CCO operator certifications, candidates are required to pass both a written exam and a practical exam to obtain either certification. Practical exam tasks include pre- operational inspection, safety protocols, pipe pick-up and placement, pipe laydown, drill steel placement, drilling holes, and safe travel.

www.nccco.org/dro

Rigger

Two certification levels are available: Rigger Level I (RIG-I) certification indicates that certified personnel are

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

Signalperson

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

Crane Inspector

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

Washington Crane Certifier

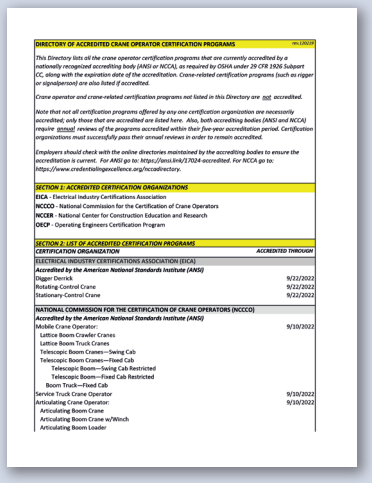
Washington's Crane Certifier Program was developed by NCCCO under an agreement with the state's Department of Labor and state exams. Candidates must be able to demonstrate at least five years of crane-related experience, of which two years must be actual crane inspection activities. Accreditation as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

Lift Director

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

>28

BUYER BEWARE: ENSURE YOUR CERTIFICATION IS ACCREDITED



DIRECTORY OF ACCREDITED CRANE OPERATOR CERTIFICATION PROGRAMS

This Directory lists all the crane operator certification programs that are currently accredited by a nationally recognized accrediting body (ANSI or NCCA), as required by OSHA under 29 CFR 1926 Subpart CC, along with the expiration date of the accreditation. Crane-related certification programs (such as rigger or signalperson) are also listed if accredited.

Crane operator and crane-related certification programs not listed in this Directory are not accredited.

Note that not all certification programs offered by any one certification organization are necessarily accredited, only those that are accredited are listed here. Also, both accrediting bodies (ANSI and NCCA) require annual reviews of the programs accredited within their five-year accreditation period. Certification organizations must successfully pass their annual reviews in order to remain accredited.

Employers should check with the online directories maintained by the accrediting bodies to ensure the accreditation is current. For ANSI go to: https://ansi.link/17024-accredited. For NCCA go to: https://www.credentialingexcellence.org/kcaddirectory.

SECTION 1: ACCREDITED CERTIFICATION ORGANIZATIONS

ECA - Electrical Industry Certifications Association
NCCCO - National Commission for the Certification of Crane Operators
NCCER - National Center for Construction Education and Research
OECP - Operating Engineers Certification Program

SECTION 2: LIST OF ACCREDITED CERTIFICATION PROGRAMS

CERTIFICATION ORGANIZATION	ACCREDITED THROUGH
ELECTRICAL INDUSTRY CERTIFICATIONS ASSOCIATION (ECA)	
Accredited by the American National Standards Institute (ANSI)	
Digger Derrick	9/22/2022
Rotating-Control Crane	9/22/2022
Stationary-Control Crane	9/22/2022
NATIONAL COMMISSION FOR THE CERTIFICATION OF CRANE OPERATORS (NCCCO)	
Accredited by the American National Standards Institute (ANSI)	
Mobile Crane Operator:	9/10/2022
Lattice Boom Crawler Cranes	
Lattice Boom Truck Cranes	
Telescopic Boom Cranes—Swing Cab	
Telescopic Boom Cranes—Fixed Cab	
Telescopic Boom—Swing Cab Restricted	
Telescopic Boom—Fixed Cab Restricted	
Boom Truck—Fixed Cab	
Service Truck Crane Operator	9/10/2022
Articulating Crane Operator:	9/10/2022
Articulating Boom Crane	
Articulating Boom Crane w/Winch	
Articulating Boom Loader	

In order to take the guesswork out of determining whether or not a certification organization's programs are accredited by a nationally recognized accrediting body, as OSHA requires in 29 CFR 1926 Subpart CC, the NCCCO Foundation has developed a web-based tool designed to help employers navigate OSHA's rules on crane operator qualifications.

The tool – a directory of accredited crane operator certification programs entitled the Who's Accredited? Directory – is the result of the NCCCO's Foundation's research and education initiative designed to enhance safety and to encourage compliance with federal and state safety rules and regulations.

By following the link on the NCCCO Foundation's website at http://bit.ly/whosaccredited employers can check the accreditation status of any certification organization at any time.

The Directory also provides a detailed listing of each accredited certification program offered by the accredited certification organizations, as well as a direct link to the listing maintained by the two accrediting bodies that OSHA recognizes: ANSI and NCCA.

"It had become clear from the questions we had been receiving from employers and others in recent months that there was confusion in the industry over which certification bodies had earned accreditation and which had not," said NCCCO Foundation CEO, Graham Brent. That's important, he said, because not only is a certification body that has not been accredited not recognized by Federal and State authorities, neither are the certifications it issues.

"Accreditation is a rigorous and often protracted process," Brent added, "which usually demands a "full-court press" by the applying organization's certification team to demonstrate that their certifications comply with the exacting standards established to ensure fair and reliable assessments."

Also like certification, accreditation is not a "one-time" event. Just as a certification lasts only a certain amount of time, so accreditation is reviewed on a regular basis by the accrediting organization, usually annually, Brent added. "That means, just like a certification, an accreditation can be suspended, or even removed at any time."

"Also to be clear, just because an organization may have applied for accreditation does not mean they are accredited," he said. In most cases it takes an accrediting body many months of review and often continuing dialogue with the certification body before accreditation is granted, observed Brent who was a charter member of ANSI's Personnel Certification Accreditation Committee (PCAC) which makes the final decision as to which certification organizations become accredited.

"If a certification organization is not listed in the Directory, it's not accredited, it's that simple," he added.

The NCCCO Foundation is a 501(c)3 charitable organization formed by the National Commission for the Certification of Crane Operators in 2018 to promote industry safety through three major pathways: education, research and workforce development. By facilitating access to training and certification by youth, veterans and underserved communities through scholarships and grants, the Foundation seeks to ensure a safe and skilled future workforce.

Q&A

An employer's guide to OSHA's crane operator qualification requirements by type of crane.

OSHA's final crane rule

Most employers are likely familiar with the crane operator training and certification requirements of 29 CFR 1926 Subpart CC that OSHA published in 2010. The latest Rule published in November 2018 modifies some of those and adds a new process called "Evaluation." Here, NCCCO provides an overview of the essential elements of each of these requirements.

Crane Operator Training

WHAT TRAINING DOES OSHA REQUIRE?

Employers must provide each operator-in-training with sufficient training, through a combination of formal and practical instruction, to ensure that the operator-in-training develops the skills, knowledge, and ability to recognize and avert risk necessary to operate the equipment safely for assigned work.

WHAT SPECIFICALLY MUST TRAINING INCLUDE?

OSHA lists the knowledge and skills it has identified as critical to safe crane operation in 1926.1427 (j)(1) and (2).

CAN OPERATORS-IN-TRAINING OPERATE CRANES EVEN IF THEY ARE NOT CERTIFIED?

Yes, but they are restricted in what they can do, and they must be continuously monitored.

WHAT ARE SOME OF THE RESTRICTIONS ON WHAT AN OPERATOR-IN-TRAINING CAN DO?

OSHA has identified five (5) circumstances in which operators-in-training who are not yet certified are not allowed to operate cranes:

- If any part of the crane, load line, or load (including rigging and lifting accessories), if operated up to the crane's maximum working radius in the work zone could get within 20 feet of a power line that is up to 350 kV, or within 50 feet of a power line that is over 350 kV.
- Hoisting personnel.
- Multi-crane lifts.
- Over a shaft, cofferdam, or in a tank farm.
- Multiple-lift rigging operations (unless the operator's trainer determines that the operator-in-training's skills are sufficient).

WHO MONITORS THE OPERATORS-IN-TRAINING?

The person who OSHA identifies as the "operator's trainer" is responsible for continuously monitoring the operator-in-training. He or she must be an employee or agent of the operator-in-training's employer, and must have the knowledge, training, and experience necessary to direct the operator-in-training on the equipment in use.

CAN THE PERSON MONITORING THE OPERATOR-IN-TRAINING DO OTHER THINGS WHILE SHE OR HE IS MONITORING?

OSHA states that, while monitoring the operator-in-training, the operator's trainer must perform no task that detracts from the trainer's ability to monitor the operator-in-training. Moreover, the operator's trainer and the operator-in-training must be in direct line of sight of each other, and they must be able to communicate verbally or by hand signals. For tower cranes, direct line of sight is not required.

WHAT DOES OSHA MEAN BY "CONTINUOUSLY" MONITORED?

OSHA says that the operator-in-training must be monitored by the operator's trainer at all times. Short breaks are permitted, however, so long as (i) the break is no longer than 15 minutes and (ii) there is no more than one break per hour. Immediately prior to the break the operator's trainer must inform the operator-in-training of the specific tasks that he/she is to perform and the limitations to which he/she must adhere during the operator trainer's break. Of course, those tasks must be within the operator-in-training's abilities.

DO EMPLOYERS HAVE TO RETRAIN?

Yes. Employers must provide retraining in relevant topics for each operator when, based on the performance of the operator, or an evaluation of the operator's knowledge, there is an indication that retraining is necessary.

Crane Operator Certification

WHAT DO EMPLOYERS HAVE TO DO TO ENSURE OPERATORS ARE QUALIFIED?

There are three (3) essential components to this process. Employers must ensure that each of their operators is trained, certified (or licensed), and evaluated.

WHAT IF THERE ARE OPERATORS WHO ARE NOT YET CERTIFIED?

They are classified as "operators-in-training" and can operate under supervision and with certain restrictions (see 1926.1427(b)(2) thru (4)).

ARE ANY CRANES EXEMPT FROM THIS REQUIREMENT?

Operators of derricks, sideboom cranes, or equipment with a maximum manufacturer-rated hoisting/lifting capacity of 2,000 pounds or less are not required to have certified operators. However, the employer's responsibility to train still applies (see separate document: An Employer's Guide to Crane Operator Training).

WHAT IF I WORK AS A CONTRACTOR TO THE MILITARY?

This Rule still applies. The military exclusion from the rule only covers employees of the United States military (Department of Defense or Armed Services). All contractor companies with crane operators on site need to meet the certification requirements listed [§ 1926.1427(a)(3)].

WHAT ABOUT OPERATORS WHO WORK IN STATES THAT REQUIRE A LICENSE? DO THEY HAVE TO BE CERTIFIED ALSO?

The state license should suffice so long as the state program meets or exceeds OSHA's requirements; that is the licensing authority's responsibility. In most cases licensed operators will have obtained NCCCO certification as a condition of obtaining their state license. In those cities or states where the license requirements do not meet OSHA's certification requirements, OSHA requires employers also obtain certifications for their operators. [Federal Register Vol. 83, No. 218, November 9, 2018, Page 56125]

WHO PAYS FOR THE CERTIFICATION AND OR LICENSE?

The employer does. It wasn't certain in the 2010 Rule, but OSHA made that very clear in this latest Rule.

WHERE CAN I GO TO GET CERTIFICATION?

The issuing entity must be accredited by a nationally recognized accrediting agency (such as ANSI or NCCA) so as to be sure that industry-recognized criteria for written testing materials, practical examinations, test administration, grading, facilities/equipment, and personnel have been met.

CAN EMPLOYERS DEVELOP THEIR OWN CERTIFICATION PROGRAM?

Employers can develop their own program, but it must meet essentially the same development, management, and test administration requirements of a certification program from a third-party organization. And it must be audited by someone who is certified to evaluate such programs by an accredited crane operator testing organization. The requirements are laid out in 1926.1427(e).

DOES CERTIFICATION HAVE TO BE ACCORDING TO THE CAPACITY OF THE CRANE OR JUST BY TYPE?

Certification does not have to be by capacity. In fact, OSHA has stated that in all of its research it found no additional safety benefit for certifying by anything other than type of crane, and it would impose a huge financial burden on employers unnecessarily if the capacity of the crane were included.

IS CERTIFICATION A ONE-TIME EVENT?

No. OSHA requires that operators recertify every five (5) years. They recognize that "certification for life" would not allow for operators to be periodically tested to ensure they have retained essential safety knowledge and are up to speed with the latest regulatory and technical developments. In any case, accrediting bodies require certification organizations to have a recertification component to their programs.

WHAT DO THE OPERATOR TESTS HAVE TO COVER?

OSHA is specific about what areas have to be covered and has listed what it regards as essential knowledge and skills listed in paragraphs (j)(1) and (2) of 1926.1427.

WHAT IF THERE IS NO CERTIFICATION AVAILABLE FOR A SPECIFIC TYPE OF CRANE?

NCCCO has developed accredited certification programs for a wide variety of cranes, but it's simply not feasible to cover every single type. In those cases, OSHA has said that if no accredited testing agency offers certification for a particular type of equipment, an operator will be deemed to have complied with its certification requirements if the operator has been certified for the type of crane that is "most similar."

HOW I DETERMINE WHAT TYPE OF CRANE IS "MOST SIMILAR"?

As a service to industry, the NCCCO Foundation has established a group of crane industry experts to address this very issue. The Crane Type Advisory Group (CTAG), referenced by OSHA in the Preamble to the Final Rule, has made several determinations as to what type is "most similar" to cranes for which a certification is program is not available. Requests for determination can be sent to cranetype@nccco.org.

WHAT IF OPERATORS DON'T UNDERSTAND ENGLISH?

OSHA allows tests to be administered in any language the operator understands. However, it comes with conditions: The operator is only permitted to operate cranes equipped with operations manuals and load charts that are written in the language of the certification (which must be stated on the certification card), and he/she must be able to effectively communicate with the signal person and lift director in the language used. And, of course, the crane operator testing organization has to have exams available in that language [§ 1926.1427(h)(2)].

DO ALL CRANE OPERATORS NEED TO BE CERTIFIED?

Operators of most cranes above 2,000 lb. capacity when used in construction need to be certified either by a nationally accredited crane operator testing organization or through an audited employer program [§ 1926.1427(a)].

WHAT DOES A CERTIFIED CRANE OPERATOR NEED TO DO?

Nothing. CCO certification provided by the National Commission for the Certification of Crane Operators (NCCCO) fully meets the requirements of the OSHA rule. This applies to certifications of operators of all the crane types NCCCO currently offers (Mobile Cranes, Tower Cranes, Overhead Cranes, Articulating Cranes, Service Truck Cranes) [§ 1926.1427(d)].

WHO IS ACCREDITED?

OSHA now requires all certification organizations providing certification to crane operators to be accredited. There are several certification bodies but only four (4) that are currently accredited. Accredited by ANSI:

- NCCCO – National Commission for

>30

the Certification of Crane Operators
- NCCER – formerly the National Center for Construction Education and Research
- EICA – Electrical Industry Certifications Association

Accredited by NCCA:
- OECP – Operating Engineers Certification Program

Note that not all certification bodies are accredited for all the programs they offer. Employers can verify for themselves which programs are included in the accreditation scope, and which bodies are accredited, by checking directly with the appropriate accrediting agency.

ONCE AN OPERATOR IS CERTIFIED, DOES HE/SHE NEED TO GET CERTIFIED AGAIN?

OSHA states that crane operator testing organizations have to provide a means of recertification at least every five (5) years so as to ensure continued competency in crane operations and knowledge. It is important to maintain certification by recertifying during the five-year certification period. If a certification lapses the certification process has to start all over again. [§ 1926.1427(d)(4)].

IF AN OPERATOR LEAVES HIS/HER COMPANY TO GO TO ANOTHER EMPLOYER, CAN HE/SHE TAKE THE CERTIFICATION WITH HIM/HER?

If the certification was provided by an accredited crane operator testing organization, it is considered "portable" and an operator can take it with him/her, even though the employer paid for it. If the certification was issued through an audited employer program, that certification is not portable. [§ 1926.1427(d)(3)].

HOW DOES OSHA DEFINE A "CRANE" IN THE RULE?

The standard defines a "crane" as "power-operated equipment that, when used in construction, can hoist, lower and horizontally move a suspended load" [§ 1926.1400(a)(1)].

OPERATORS OF WHAT TYPE OF CRANES ARE INCLUDED IN THIS RULE?

Cranes covered by the rule, when used in construction applications, include: mobile cranes, crawler cranes, tower cranes, boom trucks, articulating boom (knuckleboom) cranes, floating cranes, cranes on barges, and locomotive cranes. Also included are industrial cranes (such as carrydecks), pile drivers, service/

Nurturing the next generation

With "go to college and get a degree" increasingly the mantra of educators and parents alike, there has emerged a severe shortage of trained construction professionals to help build the office towers, manufacturing plants and infrastructure that are so critical to our nation's future.

Sadly absent from career conversations in recent years has been the extremely high level of training and proficiency required to operate multimillion-dollar construction cranes, and the great potential for job satisfaction and income growth that can be achieved by those who follow this career path.

The NCCCO Foundation is addressing this skills gap, which has been widened by an aging workforce, through its participation in Lift & Move USA, a careers event held in cooperation with Skills USA, that invites high school and college students – as well as those such as military veterans who are seeking a new career direction – to explore the crane, rigging, and specialized transport industries. Partnering with the Specialized Carriers & Rigging Association (SC&RA), the SC&R Foundation, and the KHL Group, the NCCCO Foundation is helping to shine a light on the means by which vocational training and certification can provide a viable career path – one in which a professional certification replaces a conventional four-year college degree diploma.

From the first two Lift & Moves held, respectively, in Chicago in 2015 (hosted by Imperial Crane), and Houston in 2016 (by TNT Crane & Rigging), the event has been a runaway success. Those two events attracted as many as 650 participants from high schools in their areas, and immediately prompted plans for more at the equipment yards of such industry stalwarts as Bragg Crane, Long Beach, CA; Buckner Companies, Graham, NC; Lifting Gear Hire, Chicago, IL; Buchanan Hauling, Indianapolis, IN; and Deep South Crane & Rigging, Baton Rouge, LA.

During the one- and two-day events, attendees get tips "from the seat" – veteran operators and recent employees alike who "tell it like it is" to aspiring recruits to the industry. Other experts advise on how to get a job, and students hear examples of satisfying and lucrative careers in the crane, rigging, and specialized transportation industries. They learn that specialized certifications are a common requirement for most jobs in the industry these days and that employers are increasingly looking for people with nationally recognized and accredited credentials which have proven to be an excellent tool for selecting qualified people. In addition to learning about the industry and future trends, students also are given the opportunity

Bill Smith, Vice President, NationsBuilders Insurance Services (NBIS), knows firsthand how professional training and certification can provide a viable alternative to traditional education paths and can lead to lucrative careers. In his more than 40 years in the industry he's pretty much done it all: from oiler to operator, safety director to OSHA official, and is now firmly established in the world of crane and rigging insurance.

"Lift & Move USA is spreading the word that there is a great future in this industry," he says. "There's a surge again. People are realizing that being a craftsman, being good at your craft, and understanding that construction people are now, once again, making good money and working a lot of hours with a lot of good benefits, has started to bring the glamour back," Smith said.

And the pay is good. "The bottom line is that

"Second-chance" high school graduates from YouthBuild Philly celebrate their success at the annual graduation ceremony in north Philadelphia. All are students who have previously dropped out of school and who have been given a second chance to earn their diploma. Some will take advantage of an "expedited entry" process established with union apprenticeship programs.

mechanic trucks with a hoisting device, monorails, pedestal cranes, portal cranes, overhead and gantry cranes, straddle cranes, and variations of such equipment. It also includes multi-purpose machines when configured to hoist and lower (by means of a winch or hook) and horizontally move a suspended load [§ 1926.1400(a)(1)].

ARE ANY LIFTING DEVICES EXCLUDED?

OSHA has excluded many lifting devices, among them: excavators, backhoes (even when used to lift suspended loads), concrete pumps, aerial lifts, tow trucks, digger derricks, gantry systems, and forklifts. All tree trimming and tree removal work is also excluded [§ 1926.1400(c)]. However, in some circumstances, many of these can be included when used in certain specialized tasks (see OSHA 1926.1400(c) Exclusions.)

ARE ARTICULATING CRANES (KNUCKLEBOOMS) INCLUDED?

When used purely to deliver materials, articulating/knuckleboom truck cranes are excluded. However, when they are used to hold, support, or stabilize material to facilitate a construction activity, or they are handling prefabricated components (such as roof trusses or wall panels) or structural steel, they are covered by the new rule [§ 1926.1400(c)(17)]

HOW DOES THE RULE AFFECT ELECTRIC UTILITY PERSONNEL WHO OPERATE DIGGER DERRICKS?

Digger derricks are specifically excluded from the new rule when used for auguring holes for poles carrying electric and telecommunication lines or any other work that falls within the scope of OSHA 1926 Subpart V [§ 1926.1400(c)(4)]. However, when used in other construction lifting duties, digger derricks are not excluded. [Preamble p. 70]

I OPERATE A CRANE WITH A MAXIMUM LIFTING CAPACITY OF 10 TONS, BUT I NEVER PICK UP LOADS LARGER THAN 2,000 LB. DO I NEED TO BE CERTIFIED?

Yes. The exclusion for cranes of 2,000 lb. and below refers to the maximum manufacturer-rated capacity. Even if lighter loads are lifted, it is the crane's maximum-rated capacity that must be 2,000 lb. or less for the operator to be exempt from the requirements of 1926.1427. Employers are still responsible for training their operators on the safe operation of the type of equipment the >32

# of crane operators

to be that good in your craft, to take on that responsibility, to be able to pick up things like that and keep people safe, people pay a lot of money for that. So being a crane operator is a great direction to move in for any kid, especially if you like to work with your hands and build stuff."

High school enthusiasm

NCCCO was inspired to join forces with SC&RA and KHL in creating Lift & Move USA following its experience with the Construction Challenge at CONEXPO 2011. The Challenge had teams of high school students from around the country competing to solve infrastructure and design solutions using teamwork, creativity and problem solving. The top 24 teams advanced to the Championship Finals at CONEXPO hosted by Volvo in conjunction with the Association of Equipment Manufacturers (AEM).

"We were bowled over by the enthusiasm for the world of construction from these high-schoolers," says the NCCCO Foundation's CEO, Graham Brent, "and their energy was so great around the work that we do and the industry we engage in that, quite frankly, it changed our entire CONEXPO experience that year." So, when KHL and SC&RA first floated the idea of Lift & Move, NCCCO jumped at the chance to become involved.

"When kids – and their counselors – come to realize that there is an alternative pathway to gainful, secure employment that doesn't need to take them down a four-year college degree pathway, you can almost literally see the lights come on," said Brent. As one veteran crane operator put it: 'A college degree won't get you in the seat of crane, but a CCO certification can."

Mentoring high schoolers

The NCCCO Foundation is also an enthusiastic participant in the ACE Mentor Program of America (ACE) which helps mentor high school students and inspires them to pursue careers in design and construction. As the nation's fastest growing high school mentoring program, reaching over 8,000 students annually, ACE not only engages sponsors and volunteer mentors to expose students to real world opportunities, but financially supports each student's continued success through scholarship and grants.

Since inception, ACE has awarded over $14 million in scholarships to promising participants. NCCCO's Director of Operations, Joel Oliva, is a member of the Board of Directors of ACE's Washington, DC affiliate. "Who better to inspire a new generation of young people to start careers in an industry than the professionals shaping it?" he asks.

ACE uses working professionals to reach job seekers for vocations from civil engineers to architects and, more recently, the construction trades. "It's an education that goes well beyond textbooks. By working with real professionals in real world environments, ACE students receive an invaluable hands-on education – in other words, they learn to understand the day-to-day workings of a business by living it, and experiencing it and not merely by reading about it."

The NCCCO Foundation also participates in programs established by YouthBuild USA. For unemployed young people who left high school without a diploma, YouthBuild is an opportunity to reclaim their educations, gain the skills they need for employment, and become leaders in their communities.

The non-profit organization provides pathways for disadvantaged youth to education and jobs by learning construction skills through building affordable housing for homeless and low-income people. Partnerships established with local unions of the Operating Engineers and the Carpenters, for example, provides a pathway for newly-graduated high schoolers to lucrative and responsible careers in the skilled trades.

This article is adapted from Chapter 10 of *Raising the Bar: How NCCCO is transforming worksite safety through certification excellence*, published by NCCCO and available at nccco.org/store

operator will be using [§ 1926.1441(e)].

HOW ABOUT CRANES WITH ATTACHMENTS?

The rule applies to cranes when used with attachments such as hooks, magnets, grapples, clamshell buckets, orange peel buckets, concrete buckets, draglines, personnel platforms, augers or drills and pile driving equipment, whether attached to the crane or suspended [§ 1926.1400(b)].

DO OPERATORS NEED TO BE CERTIFIED IF THEY WORK IN GENERAL INDUSTRY RATHER THAN CONSTRUCTION?

OSHA 1926.1400 covers cranes in construction only. For crane work in general industry, refer to the applicable OSHA 1910 sections, such as 1910.179 and 1910.180. There are no federal operator certification requirements at this moment in general industry [§ 1926.1400(a)], however some state and local jurisdictions may require operator certification or licensure while using a crane for general industry activities.

Crane Operator Evaluation

WHAT IS AN EMPLOYER REQUIRED TO DO UNDER OSHA'S NEW EVALUATION REQUIREMENT?

The Rule states that, effective February 7, 2019, an employer must conduct an evaluation of each operator to ensure he/she is qualified by a demonstration of (i) the skills and knowledge necessary to operate the equipment safely, and (ii) the ability to recognize and avert risks associated with the operation.

WHAT DOES OSHA MEAN BY "SKILLS AND KNOWLEDGE"?

The skills and knowledge OSHA has identified include those specific to the safety devices, operational aids, and software the crane is equipped with. Most importantly, the evaluation must take into account the size and configuration of the crane he/she plans to operate including

(but not limited to) the crane's lifting capacity, boom length, any attachments (such as a luffing jib), and counterweight set-up.

WHAT ELSE MUST THE EVALUATION CONSIST OF?

The evaluation must also cover the operator's ability to perform the hoisting activities required for the work he/she is assigned, including, if applicable, blind lifts, personnel hoisting, and multi-crane lifts.

CAN AN EMPLOYER GO BY OSHA'S STANDARD DEFINITION OF A "QUALIFIED PERSON"?

No. The Rule is very clear on this. OSHA states that the definition of "qualified" in §1926.32 does not apply here. In other words, possession of a certificate or degree cannot, by itself, qualify an operator to operate cranes.

WHO CAN CONDUCT THE EVALUATIONS?

They must be conducted by someone who has the "knowledge, training, and experience necessary" to assess equipment operators.

CAN AN EMPLOYER DELEGATE THESE EVALUATIONS TO SOMEONE ELSE?

The evaluator must be an employee or be acting as the employer's agent. If employers delegate the evaluations to an agent they are still responsible for ensuring they are done correctly.

HOW SPECIFIC DO THE EVALUATIONS HAVE TO BE?

Once an employer has successfully evaluated an operator for the necessary skills and knowledge for the size and configuration of crane he/she plans to operate, the employer may allow that operator to operate other equipment that does not require substantially different skills, knowledge, or ability to recognize and avert risk to operate.

DOES THE EMPLOYER HAVE TO DOCUMENT THE EVALUATION?

Yes. The documentation must be available at the worksite and must include: the name of the operator and the evaluator; the date of the evaluation; and the make, model, and configuration of the crane used in the evaluation. The evaluator also has to sign it.

DO THE EVALUATIONS AN EMPLOYER HAS ALREADY DONE COUNT?

Yes, for operators employed prior to December 10, 2018, the previous assessments can be used in lieu of conducting a new evaluation of that operator's existing knowledge and skills. The documentation must note the date of the assessment and the make, model, and configuration of the crane on which it was done.

HOW OFTEN DO THE EVALUATIONS HAVE TO BE CONDUCTED?

Re-evaluations are required whenever retraining an operator is done and whenever an employer believes it's necessary based on an operator's performance or an evaluation of the operator's knowledge. The re-evaluation need only focus on the area(s) which the retraining covered.

ARE EVALUATIONS DONE BY A PREVIOUS EMPLOYER VALID?

No. Evaluations are not portable. Employers must conduct their own.

WHAT IS THE DIFFERENCE BETWEEN CRANES IN GENERAL INDUSTRY VS. CONSTRUCTION?

If crane work does not fall under one of the special standards, such as Construction or Maritime, then OSHA usually considers it to fall under general industry (29 CFR 1910.180). OSHA generally considers construction to include the building, altering, or repairing of new or existing structures. Construction work also includes demolition and deconstruction of a portion, or all, of a structure. Maintenance may also be considered construction depending on its complexity and scope. Since similar work can fall into either category depending on the exact nature of the job, the general approach often adopted is: Go with the stricter standard. ■

Have a question? Email NCCCO's Personnel Rule Task Force at osharule@nccco.org.

EVERYTHING YOU NEED TO REACH NEW HEIGHTS

CTT 472-20 Flat Top | Max. lifting capacity of 20 t with 4 t at the end of the jib

With a range of features and styles, Terex tower cranes are ready for lifting duties, from small residential areas and crowded cities to infrastructure projects.

Contact us to learn how we can work for you.

www.terex.com/cranes

Ready for T-LINK

The new Terex remote monitoring and fleet management system.

Self Erecting | Flat Top | Hammerhead | Luffing Jib

Ask about our full range of tower cranes.

TEREX®

WORKS FOR YOU.™

© Terex Cranes 2019. Terex, the Terex Crown design and Works For You are trademarks of Terex Corporation or its subsidiaries.

BRAGG CRANE SERVICE

BRAGG CRANE & RIGGING

HEAVY TRANSPORT

Bragg Companies Offers Cranes, Rigging, Specialized Hauling and Engineering

- Over 300 Cranes 9 to 825 tons
- Over the Road Hauling Up to 500,000 LBS
- Off Highway Hauling Up to 3 Million LBS
- Alternative Rigging Solutions
- Gantries Up to 850 tons, Hydraulic Slide Systems and Unified Jacking Systems
- Unique Structural Steel Erection
- Complete Lift Engineering Services

800-4CRANE1

www.braggcrane.com

Long Beach, CA (HQ)
(562) 984-2400

Fontana, CA
(909) 350-3738

Merritt Island, FL
(321) 336-0121

Mojave, CA
(661) 824-5128

Odessa, TX
(432) 332-0484

Phoenix, AZ
(602) 233-0205

Reno, NV
(775) 359-2900

Richmond, CA
(510) 232-7222

Salt Lake City, UT
(801) 272-6348

San Diego, CA
(619) 521-3900

Santa Ana, CA
(714) 265-5895

Santa Maria, CA
(805) 922-7717

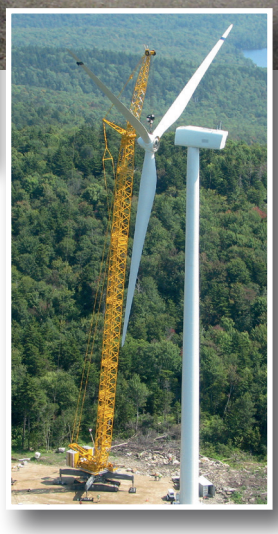
Santa Maria, CA
(805) 922-8544

Stockton, CA
(209) 808-7530

Ventura, CA
(805) 258-4845

Industry advocate

SC&RA is committed to the success of its members and the industry.



Formed in 1947 as laws and regulations affecting the transport of specialized loads started to change, SC&RA began as a segment of the Local Cartage National Conference (LCNC) of the American Trucking Associations (ATA).

By 1948, the Heavy Haulers, Machinery Movers and Erectors Section of LCNC was born. The first Heavy-Specialized Conference was held in December of 1948. The conference continued to grow, bringing together 300 crane, rigging and transportation companies by 1968. In 1981, the name Specialized Carriers and Rigging Association was adopted.

Today, the Association serves more than 1,400 member companies involved in specialized transportation, machinery moving and erecting, industrial maintenance, millwrighting, crane and rigging operations, manufacturing and rental throughout 46 nations, and is dedicated to providing education, events, webinars, safety manuals, reference tools and advocacy on behalf of the industry.

Enhanced experience

The mission at SC&RA is simple – to advocate, educate and provide networking opportunities that help industry stakeholders operate safely, legally and profitably around the world.

The Association is also committed to helping its membership run more efficient and safer businesses by monitoring and affecting pending legislation and regulatory policies at the state and national levels.

SC&RA's annual events present an opportunity for members to network, learn from industry experts and participate in committee discussions that serve as the catalyst for many of the Association's advocacy successes.

Whether it's the January Board and Committee Meeting, the Specialized Transportation Symposium in February, the Annual Conference in April or the Crane & Rigging Workshop in September, members who attend SC&RA events find educational benefits, an enhanced experience with fellow members and the opportunity to apply what they learned to their own operations.

SC&RA's mission is to advocate, educate and provide networking opportunities to help industry stakeholders operate safely, legally and profitably around the world.

SC&RA is governed by a Board of Directors and four groups that report to the Board regarding the work they are doing. All board and committee members are volunteers who bring valuable industry knowledge to the Association.

Strategic plan

In 2019, SC&RA positioned itself to take a leadership role in what it considers the top industry issue: workforce development. As a key component of the Association's new strategic plan, which runs through 2023, SC&RA will continue to address this issue to cultivate the long-term success of its industry partners and member companies in the U.S. and around the globe.

As a result, the Association has made a three-year commitment to be the anchor sponsor for Lift & Move USA – an association-led initiative to address the skills gap in the crane, rigging and specialized transport sectors. The program is comprised of regular events around the country, hosted by member companies in the industry, that showcase the opportunities to build rewarding and successful careers – typically attended by between 250 and 700 students and high school educators.

The SC&RF's (Specialized Carriers & Rigging Foundation) objectives are closely aligned with the Association's, and include expanding the SC&RF's role as a workforce development advocate through Lift & Move, educational assistance and key partnerships with member companies to offer free or reduced tuition on training for new recruits and industry employees.

As a 501 (c)(3) nonprofit organization, SC&RF's mission is to serve the crane, rigging and specialized transport industry by promoting workforce development through educational assistance and conducting research to advance growth and opportunities in the industry. While the Foundation is supported by SC&RA, it is solely funded by individual and corporate donations and fundraising.

Lift & Move USA has been transitioned under the SC&RF umbrella, thus providing greater opportunities for tax-free contributions and support from members and other future potential partners.

■ For more information, visit: www.scranet.org.

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

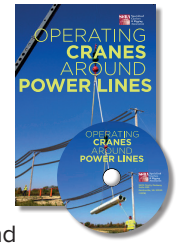
FORKLIFT RIGGING ATTACHMENTS

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

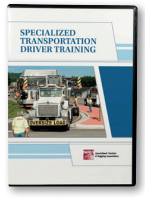


This 20 minute video could help save lives! Used by the IUOE in their training program, this video provides a visual demonstration of safe operating procedures in accordance with the OSHA standard for mobile cranes near and around power lines to be used during training and the planning process. The accompanying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

Item PL_SET (DVD & Book)
R $499.00 M $359.00

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

SCRANET.ORG/STORE

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**

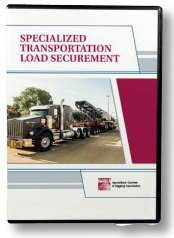
RECOMMENDED PRACTICES FOR TELESCOPIC HYDRAULIC GANTRY SYSTEMS

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.

Specialized Carriers & Rigging Association
OUR MEMBERS LIFT & MOVE THE WORLD

PRODUCT CATALOG

R = Retail price

M = Member price

SCRANET.ORG/STORE

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 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**

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.*

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**

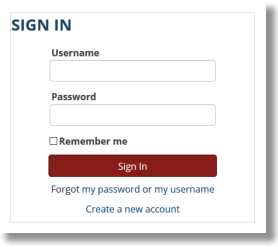
THE GUIDE TO MOBILE CRANE SAFETY MANAGEMENT

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.



(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.

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**

INTERNATIONAL UNION OF OPERATING ENGINEERS

Operating Engineers Agreement

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

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**

(R) = Retail price

(M) = Member price

Specialized Carriers & Rigging Association

OUR MEMBERS LIFT & MOVE THE WORLD

PRODUCT CATALOG

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″ × 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″ × 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″ × 3″ Decal**
1-9 decals: $2.00 **25 pack: $18.75**
Item G4 **9″ × 11″ Decal**
1-9 decals: $3.00 **15 pack: $22.50**

(R) = Retail price

(M) = Member price

SCRANET.ORG/ STORE

PRODUCT INDEX

PERMIT MANUAL	ITEM	RETAIL	MEMBER
State & Province Oversize/Overweight Permit Manual *(Digital Subscription)*	T1	$300.00	$160.00
EDUCATION/TRAINING	**ITEM**	**RETAIL**	**MEMBER**
Forklift Rigging Attachments *(DVD+Book set)*	F8B	$119.00	$89.00
Forklift Rigging Attachments *(Book only)*	F8W	$39.00	$29.00
Glossary of Common Crane and Rigging Terms	CR5	$14.95	$12.95
Glossary of Common Crane and Rigging Terms *(Spanish)*	CR5-S	$14.95	$12.95
Operating Cranes Around Powerlines *(Set-DVD + Booklet)*	PL-SET	$499.00	$359.00
Operating Cranes Around Powerlines *(Booklet Only)*	PL_B	$10.99	$7.99
Recommended Practices for Telescopic Hydraulic Gantry *(DVD+book)*	HGD	$129.00	$99.00
Recommended Practices for Telescopic Hydraulic Gantry *(Book Only)*	HG	$69.00	$49.00
Specialized Transportation Driver Training DVD	S16D	$195.00	$150.00
Specialized Transportation Load Securement DVD	S16B	$195.00	$150.00
The Guide to Mobile Crane Safety Management *(English/Spanish/Portuguese)*	CR3	$199.00	$99.00
MEMBER DIRECTORY	**ITEM**	**RETAIL**	**MEMBER**
Directory of Members and Equipment *(Print)*	T7	$115.00	$50.00
Directory of Members and Equipment *(CD-electronic)*	T7A	$499.00	$145.00
UNION AGREEMENTS			**MEMBER**
International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers		See Agreement	
International Union of Operating Engineers		See Agreement	
United Brotherhood of Carpenters and Joiners of America		See Agreement	
MWA-M Agreement		See Agreement	
INSPECTION FORMS/CHECKLISTS	**ITEM**	**RETAIL**	**MEMBER**
Mobile Crane Pre-Job Safety Meeting Checklist *(Pad of 25)*	S20	$17.00	$12.00
Tower Crane Pre-Delivery Inspection Checklist *(Pad of 25)*	S21	$17.00	$12.00
Crane Safety Inspection Form *(Daily/Monthly) (Pad of 50)*	S1	$12.00	$8.00
Lattice Boom Crane Annual Inspection Checklist *(Set of 10)*	S17	$17.00	$12.00
Telescoping Boom Crane Annual Inspection Checklist *(Set of 10)*	S18	$17.00	$12.00
SIGNS/DECALS	**ITEM**	**RETAIL**	**MEMBER**
Crane Safety Inspection Form *(Daily/Monthly)*	S1	$12.00	$8.00
Death Overhead Decal	S8	$4.00	$3.00
SC&RA Member Decals *(3x3)*	G3	n/a	$2.00
SC&RA Member Decals *(9x11)*	G4	n/a	$3.00
TRANSLATED PRODUCTS	**ITEM**	**RETAIL**	**MEMBER**
Crane Hand Signal Poster Decal *(11x16)*	S13	$5.50	$4.50
Crane Hand Signal Pocket Guide	S14	$26.00	$16.00
Crane Hand Signals Mobile App			
Glossary of Common Crane and Rigging Terms	CR5	$14.95	$12.95
The Guide to Mobile Crane Safety Management *(English/Spanish/Portuguese)*	CR3	$199.00	$99.00

Specialized Carriers & Rigging Association
OUR MEMBERS LIFT & MOVE THE WORLD

PRODUCT CATALOG

R = Retail price

M = Member price

SCRANET.ORG/STORE

Stay ahead of the

Tyrone Silva discusses simple ways to become a better risk.

You stay ahead of the competition, balance your expenses to a budget, but how do you manage your insurance costs? When it comes to controlling how much your insurance policy costs year over year, there are some things you can control and some things you can't. Market trends, nuclear verdicts, investment returns – they're all factors that every insurance buyer is subject to; therefore, there isn't much you can do to change their impact. However, it's not all out of your control. There are always at least three areas where you can make small changes that can have a big impact on your business – and make you a better risk.

While many of the factors that go into pricing an insurance policy are outside the realm of control of the policyholder, making sure your contracts, risk management and training initiatives, and claims response plans are in order are three areas where you can make immediate improvements, and help ensure favorable pricing.

1 Contracts

Every business in the construction industry can succeed or fail based almost solely on its contract. Negotiating contract language can be a long and difficult process, but it's ultimately one of the most important things you can do before commencing work on a job site. At NBIS, we believe a good contract or job ticket should contain the following key provisions.

■ **INDEMNIFICATION OR PARTIAL INDEMNIFICATION:** Indemnity is a promise – a promise to pay for possible damage, loss or injury. Insisting that the language reads in such a way that your company only has to respond to losses that result from your own negligent operation is one way to ensure you've got a fighting chance in court.

■ **INSURANCE:** An insurance provision in your agreement is the easiest way to shield your company from paying for claims that you do not owe. This provision specifies exactly what limits of coverage your customer needs to provide, the financial rating required of its insurance company (usually an A.M. Best Company rating) and in what circumstances your customer's insurance policy will extend coverage to you as an "additional insured."

■ **OPERATION OF EQUIPMENT PROVISION:** This is very important because it provides a strong "borrowed servant" argument for the actions taken by your operator. In a successful borrowed servant situation, you increase your chance of being protected from any action brought against you by your customer's employee, should they be hurt.

■ **GROUND CONDITIONS:** One of the responsibilities assigned in this provision is that for ground conditions and ground stability. Oftentimes, your operator will not be knowledgeable about the ground conditions where the crane will be operating, especially if this is the first day on a job site.

2 Preventative risk management and training

One of the most important things to remember when it comes to risk management and training is that efforts need to be ongoing. Each member of your team should be constantly thinking about risk and how their actions play a role as either proactive or reactive. If you're a company owner, you should be looking at your team and asking:

■ **DRIVERS** – Are they all up to date on: CDL licensing, training, DQ files and hours of service logs?

■ **CRANE OPERATORS** – How recent are: certifications, training, technology and lift plans?

■ **RISK MANAGER** – Is she focusing on: safety plans, safety meetings, accident/injury prevention checklists, inspection and maintenance records and technology?

Many of the most common citations can also be avoided when drivers are properly trained and understand the current rules and regulations—which is exactly why NBIS developed the proactive Online Driver Training Program. The curriculum for this unique program was developed after understanding the most notorious transportation accident-causation factors. Each course takes around 15 minutes to complete and concludes with a test. And best of all, the program is defensible in court in any situation where a claim arises.

THE AUTHOR
Tyrone Silva is the assistant program manager for crane and rigging at NBIS. Contact him at TSilva@NBIS.com.

risk

> "Market trends, nuclear verdicts, investment returns – they're all factors that every insurance buyer is subject to; therefore, there isn't much you can do to change their impact. But there are areas where you can make small changes that can have a big impact."

3 Claims response

Understanding how you're going to respond to an insurance claim scenario before that scenario occurs is a practice that is sure to pay dividends when the unexpected occurs. Being the first responder to a claims event carries with it a great deal of responsibility. It's important for management to develop a Jobsite Accident Response Plan prior to the claim event, so that critical information can be gathered in a calm and systematic way. Severity claims response is most effective when it utilizes a pre-planned approach. While safety and accident prevention are the core focus of the plan, a good response plan contemplates multiple scenarios with two key objectives in mind: preserve evidence and "set the table" for the investigative team.

4 New technology and services

Over the years, we have seen several advancements in technology, from computers in cranes (LMIs) to data recorders (black box) in vehicles. The information contained in these devices is ever evolving – and is also discoverable.

Recently, NBIS has developed several relationships with companies that offer cameras outside the cab and down the truck to record incidents and help determine liability (passive management), Telematics systems to understand driver behavior, so you can coach your drivers to avoid bad driving habits leading up to an accident (preventive management). We also partner with a product that alerts the driver if they drift the lane or follow to close to the vehicle in front (preventive management).

In conclusion, while many of the factors that go into pricing an insurance policy are indeed outside the realm of control of the policyholder, making sure your contracts, risk management and training initiatives, and claims response plans are in order are three areas where you can make immediate improvements, and help ensure you enjoy favorable pricing. ■

REALITY CAPTURED℠

Specialty Consultants Supporting the Crane & Rigging Industry . . .

- Ground Condition Surveys & Stabilization Engineering
- Lift Planning, Rigging & Shoring Engineering
- 3-D Laser Scanning & UAV ("Drone") Data Collection
- Haul Route Surveys
- 24x7x365 Response
- National Service Provider

Dearborn℠ Companies

708.430.7600

www.DearbornCos.com

Finding the

National Interstate's **Shawn Los** and **Lauren Fronczek** discuss how to get the most out of your insurance relationships.

The insurance process should not be shrouded in mystery and complexity, and it is the responsibility of the insurance professionals you work with to help alleviate those issues when they occur.

Procuring the best insurance professionals to meet the needs of your company requires a diligent effort.

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

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

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

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

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

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

THE AUTHORS

Shawn Los is senior vice president and **Lauren Fronczek** is senior marketing manager for National Interstate Insurance Company based in Richfield, OH.

best

claims, ultimately helping to drive down your cost of risk over time.

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

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

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

Take control

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

EFFECTIVE CLAIMS ADJUSTING IS CRITICAL, BE SURE TO UNDERSTAND WHO IS HANDLING YOURS. Does your insurance carrier handle claims in-house with their own staff or do they utilize a third-party administrator (TPA) for claims handling?

> "In a highly competitive and challenging industry, you need every advantage you can get."

Do you have the opportunity to have claims reviews or jump online to review important claims information? Poor claims handling can hurt your company's reputation and haunt you for years, driving up insurance costs down the road. Find an insurance carrier with true expertise in handling complex claims and demand excellent communication throughout the claims handling process.

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

PIONEERS OF ANTI-COLLISION

SMIE

SIMULATORS

CRANE CAMERAS

ANTI-COLLISION & ZONING

WWW.SMIE.COM | CONTACT@SMIE.COM

AT LGH WE ARE EXPERTS IN LIFTING AND HOISTING

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.

LGH
THE LIFTING EXPERTS

Call: (800) 878-7305 Email: Rentals@RentLGH.com Visit: www.RentLGH.com/ACT

LGH Global In Operation Worldwide www.lghglobal.com

Power full!

American Cranes & Transport presents its 14th annual **ACT100** Index of North America's top crane-owning companies.

PHOTO COURTESTY OF BAY CONSULTING

The 2019 **ACT100** Index weighed in at more than 2.6 million tons with 10 new companies.

BY THE NUMBERS

EMPLOYEES
35,486

BRANCHES
730

MOBILE CRANES
16,347

CRAWLER CRANES
3,198

TOTAL CAPACITY
2,618,656 tons

SCOPE OF OPERATION:

REGIONAL	58
NATIONAL	28
WORLDWIDE	20

NEWCOMERS TO THE LIST	10

The *American Cranes & Transport* **ACT100** Index of North America's top crane-owning companies saw substantial growth over the past year. The top 100 companies added 182,796 tons of capacity for a total capacity of 2,618,656 tons. For the second year in a row, the **ACT100** charted growth in almost every category we rank.

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

This year the number of branches fell from 738 last year to 725 this year. While there was strong growth for new locations and branches among the top 25 companies on the list, there seemed to be a retrenching by the lower 75. While companies may have consolidated, employee growth was quite healthy. Total employees in 2019 is 35,486 as compared to 31,907 workers in 2018 and 29,287 in 2017. Still the **ACT100** has not reached the peak we saw in 2015 of 37,040 workers.

In 2018 our **ACT100** reported 3,113

Top 10 largest crawler fleets

RANK 2019	COMPANY NAME	HQ	WEBSITE	CRAWLER FLEET
1	Maxim Crane Works	USA	maximcrane.com	505
2	Lampson International	USA	lampsoncrane.com	389
3	ALL Family of Companies	USA	allcrane.com	341
4	Bigge Crane and Rigging Company	USA	bigge.com	224
5	Sterling Crane	Canada	sterlingcrane.com	150
6	Buckner HeavyLift Cranes	USA	bucknercompanies.com	141
7	Mammoet Americas	USA/Canada	mammoet.com	136
8	J.F. Lomma Inc.	USA	jflommainc.com	108
9	W.O. Grubb Inc.	USA	wogrubb.com	76
10	Scott-Macon Equipment	USA	smequipment.com	60

>48

ACT100 2020

Submit information for the 2020 **ACT100** by emailing: d.annshiffler@khl.com or hannah.sundermeyer@khl.com.

RANK 2019	2018	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
1	›1	Maxim Crane Works	USA	55	3,615	Worldwide	Bryan Carlisle, CEO
2	^3	Bigge Crane and Rigging Company	USA	18	1,100	National	Weston Settlemier, President/CEO
3	v2	ALL Family of Companies (ALL Erection & Crane Rental)	USA	36	1,600	Worldwide	Michael L. Liptak, President
4	›4	Lampson International	USA	8	300	Worldwide	William Lampson, President
5	›5	Mammoet Americas	USA/Canada	23	1,500	Worldwide	Paul van Gelder, CEO
6	›6	TNT Crane & Rigging	USA	43	1,700	National	Mike Appling, CEO
7	›7	Barnhart Crane & Rigging	USA	47	1,450	National	Alan Barnhart, CEO
8	›8	Buckner HeavyLift Cranes	USA	4	250	Worldwide	Doug Williams, CEO
9	›9	W.O. Grubb	USA	15	488	National	Michelle Grub, CEO
10	›10	Deep South Crane & Rigging	USA	8	700	Worldwide	Mitch Landry, President
11	^18	Beyel Brothers Inc.	USA	8	362	Regional	Joseph D. Beyel, President
12	›12	Sterling Crane*	Canada	35	1,500	Worldwide	Arnold Mabee, President
13	›13	J.F. Lomma Inc.	USA	8	185	Worldwide	James Lomma, President
14	›14	Bragg Crane Service	USA	13	650	National	Mike Roy, Executive Vice President
15	^16	ML Crane Group	USA	24	623	National	Scott Wilson, President
16	v15	Guay Inc.	Canada	20	500	National	Jean-Marc Baronet, President
17	v11	NCSG Crane and Heavy Haul	Canada	11	400	National	Andy Fraser, President/CEO
18	v17	Sterett Crane & Rigging	USA	8	120	National	Jonathan Spong, President
19	›19	Scott-Macon Equipment	USA	9	200	Worldwide	Robert B. Dimmitt, Executive Vice President
20	^23	Mountain Crane Service	USA	4	160	National	Paul Belcher, Owner/CEO
21	v20	Marco Crane & Rigging	USA	6	210	National	Dan Mardian, Jr., President
22	NEW	Berry Contracting	USA	6	3,500	Worldwide	Berry Peterson, Vice President
23	v21	Imperial Crane Services	USA	5	250	Worldwide	B.J. Bohne, President/CEO
24	v22	Stevenson Crane Service	USA	4	198	Worldwide	Donna Stevenson, President
25	›25	Entrec Corporation	Canada	11	580	National	John Stevens, President/CEO
26	v24	H&E Equipment Services	USA	30	2,500	National	Cary Burr, Senior Vice President of Cranes
27	^38	CraneWorks Inc.	USA	9	115	Worldwide	Keith Ayers, CEO
28	NEW	Mr. Crane	USA	3	140	National	Andy M. Steinberg, President & CEO
29	v28	NessCampbell Crane + Rigging	USA	9	100	Regional	John Anderson, President
30	›30	Northwest Crane Service	USA	8	140	National	Andy Hodges, President
31	^32	Circle 8 Crane Services	USA	6	253	Regional	Bryan Ericson, President
32	^42	Capital City Group	USA	6	225	Regional	Brian Gibson, President/CEO
33	v31	Joyce Crane	USA	6	165	Regional	Joe Bob Joyce, President
34	v29	Kelley Equipment of Florida	USA	3	160	Regional	Daniel H. Gold, CEO
35	v27	Dozier Crane	USA	3	45	Worldwide	Dozier Cook, President
36	^40	Dielco Crane Service	USA	1	111	Regional	David Dieleman, President
37	v26	Custom Truck One Source	USA	26	1,500	National	Fred Ross, President
38	v37	Big B Crane	USA	2	132	Regional	Daniel Basden, President
39	v34	Laramie Equipment*	USA	2	65	Worldwide	Jeff Laramie, Vice President
40	v33	Irving Equipment	Canada	7	140	National	Andrew Miller, Director of Bus. Development
41	v35	Fagioli Inc.	USA	4	124	Worldwide	Edoardo Ascione, President
42	v36	Barcelona Equipment	USA	1	60	Regional	Bob Steiner, President
=43	v39	Southwest Industrial Rigging*	USA	4	172	National	Harry Baker, President
=43	^55	Kirby-Smith Machinery	USA	11	400	National	Rickey Bailey, Vice President Crane Division
44	v41	Digging and Rigging	USA	6	226	Regional	James Gregory, Sr., 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 Management
Equipment Management
Job Tracking
Reporting Tools

WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
maximcrane.com	2,715	505	Manitowoc 31000	2,535	**698,535**
bigge.com	927	224	Liebherr LR 11000	1,100	**180,858**
allcrane.com	1,903	341	Manitowoc 21000	1,000	**173,733**
lampsoncrane.com	69	389	Lampson Transi-Lift LTL-3000	3,000	**125,615**
mammoet.com	528	136	Mammoet PTC 200	5,000	**99,689**
tntcrane.com	621	49	Liebherr LTM 1750-9.1	900	**89,911**
barnhartcrane.com	466	45	Demag CC8800	1,375	**72,512**
bucknercompanies.com	12	141	Liebherr LR 11350-P	2,000	**70,834**
wogrubb.com	284	76	Liebherr LR 1750/2	825	**58,199**
deepsouthcrane.com	241	26	VersaCrane TC 36000/2	3,000	**57,525**
beyel.com	179	50	Manitowoc 21000	1,000	**54,754**
sterlingcrane.com	850	150	Demag CC8800	1,375	**50,000**
jflommainc.com	158	108	Manitowoc 18000 w/Maxer	826	**46,855**
braggcrane.com	337	34	Liebherr LR 1750/2	825	**44,604**
mlholdingscranegroup.com	283	27	Liebherr LTM 1500	625	**40,093**
gruesguay.com	430	22	Liebherr LTM 11200-9.1	1,500	**38,447**
ncsg.com	218	30	Liebherr LTM 11200-9.1	1,350	**36,839**
sterettcrane.com	148	41	Demag CC2800-1	660	**28,870**
smequipment.com	453	60	Demag AC200	240	**27,170**
mountaincrane.com	69	43	Liebherr LR 11000	1,100	**24,239**
marcocrane.com	193	26	Grove GMK 7550 w/Megawing	550	**22,753**
bayltd.com	83	19	Liebherr LTM 11200-9.1	1,323	**20,300**
imperialcrane.com	195	33	Liebherr LTM 1500	600	**19,000**
stevensoncrane.com	161	26	Manitowoc 18000 w/Maxer	826	**18,973**
entrec.com	198	21	Liebherr LR 1750	826	**18,640**
he-equipment.com	265	0	Grove RT 9150	150	**17,500**
crane-works.com	470	1	Demag AC220-5	245	**16,222**
mrcrane.com	68	24	Manitowoc 2250 w/Maxer	500	**14,598**
nesscampbell.com	95	5	Liebherr LTM 1500-8.1	600	**14,578**
northwestcraneservice.com	35	7	Liebherr LR 11000	1,200	**14,540**
circle8services.com	87	0	Grove GMK 7550	550	**14,020**
ccgroup-inc.com	115	24	Grove GMK 7550	550	**13,771**
joycecrane.com	88	1	Liebherr LTM 1750-9.1	900	**13,698**
kelleyequipment.com	54	33	Demag AC500-2	600	**13,650**
doziercrane.com	82	47	Liebherr LR 1400-7.1	440	**13,390**
dielcocrane.com	63	14	Liebherr LR 1600	660	**12,801**
customtruck.com	275	13	Sany SCC8150	165	**12,600**
bigbcrane.com	37	44	Manitowoc MLC 300	386	**12,266**
laramiecrane.com	53	31	Demag AC 1200	500	**12,150**
irvingequipment.com	85	15	Liebherr LR 1600/2	660	**12,115**
fagioli.com	12	14	Liebherr LR 11350	1,500	**11,248**
barcelonacrane.com	51	40	Tadano ATF 400G-6	450	**11,237**
swirusa.com	90	9	Grove GMK 7550	500	**10,294**
kirby-smith.com	155	12	Grove RT9130E-2	130	**10,294**
digrig.com	83	2	Liebherr LTM 1750-9.1	900	**10,175**

>50

Realistic
Efficient
Accurate
Safe
Profitable
3D Lift Plan.
Landing the job. Delivering it safely.
a1 one Software
Your Data, Your Way
www.a1asoftware.net 904-430-0355

RANK 2019	2018	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
45	▼43	Exact Crane and Equipment*	USA	1	17	Worldwide	Jack Swan, President
46	▲48	CraneWorks	USA	3	180	Regional	David Upton, Owner
47	▼44	Wagstaff Crane Service*	USA	3	89	Regional	Jim Wagstaff, President
48	▼47	Edwards Inc.	USA	5	540	Regional	Jamie Ezzell, Crane Division Manager
49	▼46	Vic's Crane & Heavy Haul*	USA	4	200	Regional	Josh Horsch, Vice President
50	▲53	Ideal Crane Rental	USA	6	100	Regional	Robert Kalhagen, President
51	▼49	R.H. Marlin Inc.	USA	1	70	Regional	Joe Fox, Vice President
52	▼50	Boss Crane & Rigging	USA	4		National	David Cowley, President
53	▼51	Burkhalter Rigging*	USA	5	150	Worldwide	Delynn Burkhalter, CEO
54	▼52	Erickson's	USA	4	65	Regional	Steve Erickson, President
55	▼54	Thackray Crane Rental	USA	5	135	Regional	Mark Thackray, Operations/Safety Director
56	▲58	Viant Crane	USA	2	20	Regional	David M. Lemke, President/COO
57	▲62	Blue Hat Crane	USA	4	100	National	Patrick Leis, Logistics Operations Director
58	▼57	Giuffre Bros. Cranes	USA	4	36	Worldwide	Todd Proctor, Branch Manager
59	▶59	Allison Crane & Rigging*	USA	4	200	National	Larry Allison Jr., President
60	▶60	Budrovich Contracting	USA	3	100	Regional	Eric Struckhoff, Vice President
61	▲63	Hill Crane Service	USA	2	120	Regional	Ronald Hill, Vice President
62	▼61	J J Curran Crane	USA	1	44	Regional	Jeff Curran, President
63	▲71	G. A West/Legacy Equipment	USA	5	1,100	National	Gary A. West, President
64	▲65	Alamo Crane Services	USA	2	70	Regional	Marvin Ohlenbusch, COO
65	▲74	Axis Crane*	USA	3	110	Regional	Alex Clark, Senior Vice President
66	NEW	Padgett Inc.	USA	1	175	Regional	R. James Padgett, Vice President
67	▶67	Connelly Crane Rental	USA	3	49	Regional	Michael Connelly, President
68	NEW	Solley Equipment & Rigging	USA	3	49	Regional	Ronnie Solley, Owner
69	▼66	Crane Service Company	USA	5	157	Regional	Brian Mazzella, Vice President
70	▶70	Atlas Crane Service	USA	3	48	Regional	Zach Prentis, President
=71	▼68	Wanzek Construction	USA	2	650	National	Bryce Peterson, Director
=71	▼69	JPW Companies	USA	1	100	National	Dave Schwalm, Executive Vice President
72	NEW	Reliable Crane Service	USA	2	95	Regional	Darrell Shaw, CEO
73	▶73	Landwehr Construction	USA	2	200	National	Pat Herron, Crane Manager
74	▼56	Clark Rigging & Rental	USA	3	65	Regional	David F. Clark, President
75	▲77	A Quick Pick Crane Service	USA	1	40	Regional	Scott Schrade, President
76	▼72	A.M.E Inc.	USA	4	150	National	Jeff Campbell, President
77	▼75	McRay Crane & Rigging	USA	1	62	Regional	Calvin Jones, Executive Director
78	▲89	I.B. Dickinson & Sons	USA	3	45	Regional	Donald Dickinson, President
79	▲87	Mansfield Crane Service	USA	2	38	Regional	Trapper Wyman, Owner
=80	▼76	General Steel Crane & Rigging*	USA	3	44	Regional	Jeff Noland, President
=80	▲81	Custom Service Crane	USA	5	48	Regional	Randy Huffman, Vice President
81	NEW	Texas Crane	USA	2	40	Regional	Tony Turner, Owner
82	▼78	JK Crane	USA	1	15	Regional	Mark Kerstner
83	▼79	Anglemyer Crane	USA	1	35	Regional	John Anglemyer, Secretary/Treasurer
=84	▼80	Tim's Crane & Rigging*	USA	1	28	Regional	Tim Marshlick, President/CEO
=84	▼83	Omega Morgan	USA	3	250	Regional	Troy Tallent
85	▶85	Taylor Crane & Rigging	USA	2	84	National	Jim C. Taylor, Jr., President
86	▲88	Greiner Industries	USA	2	300	Regional	Frank Greiner, Owner
87	▼86	Industrial Truck & Crane	USA	1	20	Regional	Soni Graff, 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.

NOBODY OWNS THE SAFEST GEAR ON THE JOBSITE. THEY RENT IT

WEBSITE	MOBILE CRANES	CRAWLER CRANES	LARGEST CRANE	CAPACITY	ACT INDEX
exactcrane.com	120	20	Manitowoc 16000	440	**10,000**
craneworks.com	183	2	Liebherr LTM 1400-7.1	500	**9,600**
wagstaffcrane.com	69	2	Liebherr LTM 1750-9.1	900	**9,500**
edwardsinc.com	106	2	Demag AC 500-2	600	**9,000**
vicscrane.com	65	6	Demag CC2800 w/superlift wagon	660	**8,538**
idealcranerental.com	79	11	Liebherr LTM-1450 8.1	550	**7,853**
rhmarlin.com	72	13	Grove GMK 7550	550	**7,500**
bosscrane.com	16	16	Liebherr LTM 1750-9.1	900	**7,423**
burkhalter.net	20	17	Liebherr LR 1600/2	660	**7,250**
ericksonsgr.com	23	9	Liebherr LTM 1750	827	**7,148**
thackraycrane.com	130	7	Liebherr LTM 1400-7.1	500	**6,561**
viantcrane.com	38	10	Manitowoc MLC300 Series III	386	**6,019**
bluehatcrane.com	41	13	Grove GMK 7550	550	**5,955**
giuffre.com	213	0	Liebherr LTM 1090/2	110	**5,900**
allisoncrane.com	34	4	Tadano ATF 400G-6	450	**5,600**
budrovich.com	53	5	Grove GMK 7550	550	**5,404**
hillcrane.com	45	0	Liebherr LTM 1400-7.1	500	**5,286**
jjcurran.com	58	0	Grove GMK 6400	450	**5,270**
gawest.com	29	15	Manitowoc 16000 w/Maxer	440	**5,020**
alamocrane.com	39	0	Liebherr LTM 1500-8.1	600	**4,688**
axiscrane.com	23	5	Grove GMK 7550	550	**4,600**
padgett-inc.com	43	8	Grove GMK 6300L	350	**4,566**
connellycrane.com	54	9	Liebherr LTM 1300-1	360	**4,527**
solley.com	40	2	Liebherr LTM 1400-7.1	500	**4,408**
craneserviceco.com	29	3	Liebherr LTM 1450-8.1	550	**4,254**
atlascraneserviceinc.com	36	0	Liebherr LTM 1450-8.1	550	**4,000**
wanzek.com	14	9	Demag CC3800	715	**3,840**
jpwcompanies.com	30	7	Terex AC500-2	600	**3,840**
reliablecraneservice.com	28	0	Grove GMK 7550	550	**3,694**
landwehrconstruction.com	18	5	Demag AC 350/6	400	**3,635**
clarkrigging.com	44	3	Demag AC 350-6	400	**3,200**
aquickpickcrane.com	28	3	Liebherr 1350 6.1	400	**3,074**
ameonline.com	24	0	Grove GMK 7550	550	**2,848**
mcraycrane.com	25	0	Grove GMK 6300L	350	**2,795**
ibdickinson.com	21	0	Liebherr LTM 1400-7.1	500	**2,668**
mansfieldcrane.com	15	2	Grove GMK 6350L	350	**2,575**
www.gen-steel.com	26	0	Grove GMK 6400	450	**2,565**
customservicecrane.com	33	0	Grove GMK 5275	275	**2,565**
texascrane.com	18	0	Liebherr LTM 1250-6.1	300	**2,526**
jkcrane.com	17	2	Manitowoc GMK 7550	550	**2,385**
anglemyercrane.com	26	1	Grove GMK 6350	350	**2,340**
timscrane.com	22	3	Terex AC250-1	300	**2,000**
Omegamorgan.com	12	0	Grove GMK7550	550	**2,000**
taylorcrane.com	22	2	Liebherr LTM 1220-5.2	265	**1,909**
greinerindustries.com	12	0	Demag AC 500-8	600	**1,695**
itccrane.com	19	0	Grove GMK 6300L	350	**1,669**

>52

HOISTING, RIGGING, JACKING, PULLING, MATERIAL HANDLING & SAFETY GEAR
Let Our Warehouses Be Your Inventory. With 23 North American Rental Centers, The Gear You Need Is Just A Phone Call Away.
(800) 878-7305 Rentals@RentLGH.com www.RentLGH.com/ACT
LGH puts safety first
Lifting Gear Hire
Lifting Equipment Rental Specialists

RANK 2019	RANK 2018	COMPANY NAME	HQ	BRANCHES	EMPLOYEES	SCOPE OF OPERATION	SENIOR CONTACT & TITLE
88	NEW	CP Ward Crane Service	USA	2	30	Regional	James Abbey, Crane & Rigging Manager
=89	▲92	Benchley Contracting & Rental Corp.	USA	2	15	Regional	Brian Benchley, Vice President
=89	▲96	PSC Crane & Rigging Inc.	USA	2	150	Regional	Randy Sever, Executive Vice President
=90	▶90	Rozell Industries*	USA	6	200	Regional	Gordon Nygaard, Manager
=90	▲91	Diamond Steel Construction*	USA	1	50	Regional	David L. Collins, President
91	▲93	D C. Crane	USA	1	15	Regional	Daniel Connor, President
92	▲97	Iron Stag Crane Service	USA	1	24	Regional	Ned Eisenhart, President
93	▲95	Modern Construction/ Modern Crane & Rigging	USA	1	15	Regional	Dwayne Scalf, President
94	▶94	J Crane Inc.	USA	1	27	Regional	Jack Stull, President
95	▲99	Waggoner Equipment Rental	USA	1	36	Regional	Alana Yount, Operations Manager
96	▲98	Davco Ltd.	CANADA	2	100	Regional	David Faas, President
97	▲98	Patriot Crane & Rigging	USA	1	95	Regional	Scott Shamburg
98	▲100	Runnion Equipment Company	USA	2	40	Worldwide	Michael F. Prochot, President
99	NEW	Carl Belt Group	USA	2	12	Regional	David J. Madden, COO
100	NEW	Advanced Rigging & Machinery	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.

crawler cranes, as compared to this year's 3,198, a net gain of 85 crawlers. Last year this category was down by 111 units over 2017, so there seems to have been an improvement in new crawler sales.

This year there were 16,347 mobile cranes on the **ACT100** as compared to 15,944 last year, a net gain of 403 units. There were 15,579 units in 2017. Last year 365 new mobile cranes were added.

This year's **ACT100** has 106 companies on the list due to six ties in *ACT* index.

For the 14th time, Maxim Crane Works is Number 1 on the **ACT100** with an ACT index of 698,535, up from 693,464 tons total capacity last year. Maxim is still in an acquisition mode, for both new cranes and companies. Maxim shows a total crane fleet of 3,229, which includes 2,715 mobile cranes and 505 crawlers. Last year the company reported 3,145 cranes – 2,650 mobile units and 495 crawlers.

A significant change on the list is that Bigge Crane & Rigging jumped to the Number 2 spot, eclipsing ALL Erection, which has been in that spot for many years. Bigge has long been in the top five on the **ACT100**, jumping from 4 to 3 last year. This year Bigge reports a total crane fleet of 1,151 cranes and an *ACT* Index of 180,858.

While ALL did see an increase in total fleet to 2,244, well above that of Bigge, the company's *ACT* Index is 173,733. The conclusion to draw here is that Bigge's fleet consists of higher capacity units.

The top five rounded out with Lampson International at Number 4 and Mammoet Americas at Number 5, the same as in 2018.

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

NCSG Crane & Heavy Haul descended from 11 to 17 this year. NCSG has undergone some significant changes over the past couple of years and recently sold one of its divisions, which may account for the drop. The top 25 pretty much stayed the same with Berry Contracting entering the list at Number 22.

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

The largest crane on the **ACT100** is Mammoet's 5,000-ton capacity PTC 200 DS. Other heavy lift cranes on the **ACT100** are the 3,000-ton capacity Lampson LTL-3000, the 2,535-ton

Top 10 largest mobile fleets

RANK 2019	COMPANY NAME	HQ	WEBSITE	MOBILE FLEET
1	Maxim Crane Works	USA	maximcrane.com	2,715
2	ALL Family of Companies	USA	allcrane.com	1,903
3	Bigge Crane and Rigging Company	USA	bigge.com	927
4	Sterling Crane	Canada	sterlingcrane.com	850
5	TNT Crane & Rigging	USA	tntcrane.com	621
6	Mammoet Americas	USA/Canada	mammoet.com	528
7	CraneWorks Inc.	USA	crane-works.com	470
8	Barnhart Crane & Rigging	USA	barnhartcrane.com	466
9	Scott-Macon Equipment	USA	smequipment.com	453
10	Guay Inc.	Canada	gruesguay.com	430

NELSON MANUFACTURING
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
cpwardcrane.com	15	1	Grove GMK 6350	350	**1,553**
benchleycrane.com	13	0	Liebherr LTM 1350-6.1	400	**1,405**
pscind.com	14	0	Liebherr LTM1250	300	**1,405**
rozellind.com	11	0	Tadano ATF 400G-6	450	**1,400**
diamondsteel.com	28	0	Grove GMK 275	275	**1,400**
dccrane.com	12	5	Link-Belt LS 218HSL	110	**1,395**
ironstagcrane.com	10	0	Grove GMK 6300L	350	**1,345**
moderncrane.com	12	1	Grove GMK 5275	275	**1,230**
jcrane.com	10	0	Grove GMK 5275	275	**1,204**
waggoner.com	31	0	Grove RT9130E	130	**1,023**
davcoltd.com	14	2	Link-Belt ATC3250	250	**965**
patriotserviceinc.com	8	3	Link-Belt 3275	275	**960**
runnionequipment.com	54	0	National NBT40	40	**825**
thebeltgroup.com	10	0	Demag AC 1200	120	**590**
advanced-rigging.com	9	0	Grove 1012	18	**134**

capacity Manitowoc 31000 owned by Maxim and the 2,500-ton TC-36000 Versa Crane owned by Deep South Crane & Rigging. In the top 10 largest capacity cranes, Liebherr had the most on the list with eight. The Liebherr LR 11000 appears to be the most popular heavy lift crane on the **ACT100**.

In terms of the most popular cranes in the category of largest crane in fleet, the Manitowoc and Liebherr brands are tied. There are 39 Manitowoc, Grove or National branded cranes and 39 Liebherr branded cranes listed as the largest crane in fleet. There are 16 Demag models, three Tadanos, three Link-Belts and one Sany. The most popular crane is the Manitowoc Grove 7550 with 10 companies reporting that this is the largest crane in their fleet. In some cases differing capacities were listed for the same machines. We rely on the information supplied to us in determining these capacities; rigging variables can change these numbers. The most discrepancy was with the Liebherr LR LTM 11200-9.1.

Top 10 **largest cranes**

RANK 2019	COMPANY NAME	LARGEST CRANE	CAPACITY
1	Mammoet Americas	Mammoet PTC 200	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	Buckner HeavyLift Cranes	Liebherr LR 11350-P	2,000
5	Guay Inc.	Liebherr LTM 11200-9.1	1,500
5	Fagioli Inc. (USA)	Liebherr LR 11350	1,500
6	Barnhart Crane & Rigging	Demag CC8800	1,375
6	Sterling Crane*	Demag CC8800	1,375
7	NCSG Crane and Heavy Haul	Liebherr LTM 11200-9.1	1,350
8	Berry Consulting	Liebherr LTM 11200-9.1	1,323
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

Our methodology

For this list we sent surveys to close to 500 companies in the U.S., Canada and Mexico. While the **ACT100** is much more comprehensive than it was when we started it 14 years ago, we realize there are probably 10 to 15 major crane-owning companies not represented on the **ACT100**. Some companies do not want to share information about their fleets and we respect their decision.

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

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

>54

www.nelsontrailers.com

Top 20 largest fleet size

RANK 2019	ACT 100	COMPANY NAME	ACT INDEX	TOTAL FLEET
1	1	Maxim Crane Works	698,535	3,220
2	3	ALL Family of Companies	173,733	2,244
3	2	Bigge Crane and Rigging Company	180,858	1,151
4	12	Sterling Crane*	50,000	1,000
5	6	TNT Crane & Rigging	89,911	670
6	5	Mammoet Americas	99,689	664
7	19	Scott-Macon Equipment	27,170	513
8	7	Barnhart Crane & Rigging	75,512	511
9	27	CraneWorks Inc.	16,222	471
10	4	Lampson International	125,615	458
11	16	Guay Inc.	38,447	452
12	14	Bragg Crane Service	44,604	371
13	9	W.O. Grubb	58,199	360
14	15	ML Crane Group	40,093	310
15	37	Custom Truck One Source	12,600	288
16	10	Deep South Crane & Rigging	57,525	267
17	13	J.F. Lomma Inc.	46,855	266
18	26	H&E Equipment Services	17,500	265
19	17	NCSG Crane and Heavy Haul	36,839	248
20	11	Beyel Brothers	54,754	229

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 **ACT**TOWER**CRANE**50; in the December issue is the **ACT**TRANSPORT50 and in the March issue is the **ACT**SPECIALIZED **LIFTING**50. If you would like to participate in any or all these lists please email D.Ann Shiffler, editor, at d.annshiffler@khl.com.

and research when we use an estimate.

Disclaimer

We rely on the integrity of the companies that participate, wholly assuming that the information they provide is accurate and truthful to the best of their knowledge. We work to insure the accuracy of the information provided but take no responsibility for errors or omissions. We will continue to work to make the **ACT100** the most comprehensive list of crane-owning companies in North America.

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

AT BIGFOOT, WE BELIEVE THAT:

Making products in the USA still matters.

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

Sourcing manufacturing materials from other American companies is the right thing to do.

Hard work and innovation must be constant for success.

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

Humans should answer the phone to help customers.

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

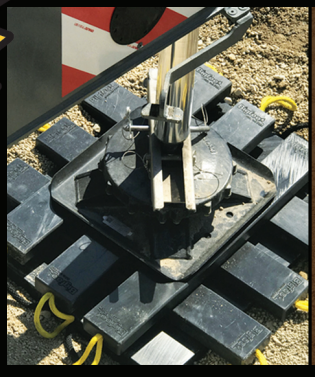
If you're not providing amazing customer service, you're doing it wrong.

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

COMPOSITE OUTRIGGER PADS

WE MAKE ANY SIZE PAD YOU NEED

WE MAKE CUSTOM SOLUTIONS



WOOD OUTRIGGER PADS

Bigfoot CONSTRUCTION EQUIPMENT, INC.
OUTRIGGER PADS

STRENGTH | STABILITY | SAFETY

PHONE: (888) 743-7320 | EMAIL: BIGFOOT@OUTRIGGERPADS.COM | WEB: WWW.OUTRIGGERPADS.COM

Goldhofer
TRAIL KING industries
DUAL LINE TRAILER
THP/DC
TAILORED TO MEET
AMERICAN REQUIREMENTS
THE VEHICLE AT A GLANCE
» Reduced transport time
widening under load while rolling
» Safety first and foremost
operation (widening, levelling, steering)
via wireless remote control
» Low maintenance and long service life
new ideas combined with proven ball
bearing race ring technology
THP/DC
WWW.GOLDHOFER.COM
MADE FOR YOUR MISSION

ITI
OPERATORPRO
The application for PROFESSIONAL crane & equipment OPERATORS
Log shifts, activities, configurations and notes on 3,000+ equipment models
Request evaluations and keep detailed records of your results
Connect with other operator and share you work experiences
09:39
Shifts
30 Shifts
9 Activities
289 hrs Total Time
September 2019
1 shifts 0 activities 10 hrs
TADANO
September 04, 2019
Tadano GR1000-XL
Huntsville, Alabama
10 hrs
August 2019
8 shifts 2 activities 76 hrs
LIEBHERR
August 30, 2019
Liebherr LTC
Paris, Texas
TADANO
August 28,
Tadano AT
Anchorage
Altec
August 26, 2019
Altec DC 47
Download on the App Store
Get it on Google play
Scan to download the app and start logging shifts today!

Flattening out

ACT's 15th annual ranking of North America's largest specialized transportation companies.

The growth of North America's specialized transportation sector has flattened out. The 2019 **ACT**TRANSPORT**50** saw a small growth in total capacity from 1,245,246 U.S. tons in 2018 to 1,272,654 U.S. tons in 2019. The 2019 **ACT**TRANSPORT**50** saw declines in several categories including number of employees, number of terminals and number of modular/hydraulic platform trailers/dollies.

In 2018 only one category went down, (modular/hydraulic platform trailers/dollies), which was attributed to a significant movement of assets by one of the companies on the list. Most likely this company moved a large amount of assets to Europe, where it is based.

As for our **ACT**TRANSPORT**50** ranking, Landstar Transportation Logistics kept its long-time Number 1 spot with a fleet size of 13,449. Last year the company reported gains of more than 1,000 units, while this year it reported a fleet size that is 244 units smaller than last year. In terms of capacity of fleet, Landstar again reins with 100,675 U.S. tons, surpassing the 86,890 U.S. tons reported last year.

The top three companies on the **ACT**TRANSPORT**50** stayed the same

TOP 10 ACTTRANSPORT50 BY TOTAL CAPACITY OF FLEET

	2019 RANK	COMPANY NAME	TOTAL CAPACITY US TONS
1	1	Landstar Transportation Logistics	100,675
2	2	Daseke Inc.	87,148
3	14	Mammoet Americas	83,173
4	5	ALL Erection & Crane Rental	69,857
5	7	Barnhart Crane & Rigging	67,238
6	3	ATS Specialized	66,111
7	6	Bennett Motor Express	57,200
8	9	Bigge Crane & Rigging	51,905
9	4	Maxim Crane Works	48,249
10	35	J. F. Lomma Inc.*	44,350

BY THE NUMBERS

	2018	2019
TOTAL FLEET SIZE	51,313	**53,064**
TOTAL CAPACITY	1,245,246 U.S. Tons	**1,272,654 U.S. Tons**
NUMBER OF TRUCK/TRACTORS	21,961	**22,603**
NUMBER OF EMPLOYEES	29,195	**28,545**
NUMBER OF TERMINALS	2,294	**2,132**
NUMBER OF MODULAR/ HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET	9,844	**9,061**
CAPACITY OF MODULAR/ HYDRAULIC PLATFORM TRAILERS/DOLLIES IN FLEET	443,971 U.S. Tons	**450,249 U.S. Tons**
NUMBER OF SPECIALIZED TRAILERS IN FLEET (including all multi-axle units)	20,877	**22,657**
TOTAL CAPACITY OF SPECIALIZED TRAILERS IN FLEET (including all multi-axle units)	806,523 U.S. Tons	**832,099 U.S. Tons**

2019 RANK	2018 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	1	**Landstar Transportation Logistics**	Jacksonville, FL	1,400	International	1,150	Rusty Cody, vice president, heavy specialized
2	2	**Daseke**	Addison, TX	100	International	4,608	Chris Easter, Interim CEO/COO
3	3	**ATS Specialized**	St. Cloud, MN	15	International	1,365	Gary Stang, senior vice president, general manager
4	6	**Maxim Crane Works**	Bridgeville, PA	56	National	3,500	Bryan Carlisle, CEO
5	5	**ALL Erection & Crane Rental**	Independence, OH	36	International	1,500	Michael L. Liptak, president
6	4	**Bennett Motor Express**	McDonough, GA	130	International	320	David Lowry, CEO
7	9	**Barnhart Crane & Rigging**	Memphis, TN	49	National	1,500	Alan Barnhart, CEO
8	7	**Combined Transport**	Central Point, OR	1	International	592	Michael S. Card, president
9	10	**Bigge Crane & Rigging**	San Leandro, CA	14	National	1,050	Weston Settlemier, president/CEO
10	11	**NCSG Crane & Heavy Haul**	Acheson, Alberta, Canada	12	National	400	Andy Fraser, president/CEO
11	12	**Deep South Crane & Rigging**	Baton Rouge, LA	7	International	700	Mitch Landry, vice president
12	13	**Transport Bellemare International**	Tross-Rivieres, Quebec City, Canada	7	International	710	Jean-Luc Bellemare, president
13	14	**Daily Express**	Carlisle, PA	8	International	178	Mark Eyer, vice president, operations
14	8	**Mammoet Americas**	Rosharon, TX	21	National	1,400	Paul van Gelder, CEO
15	15	**Emmert International**	Clackamas, OR	4	International	125	Terry W. Emmert, president
16	19	**Bay Ltd.**	Corpus Christi, TX	8	International	3,500	Berry Peterson, vice president
17	16	**ML Crane Group**	Albuquerque, NM	14	National	676	Scott Wilson, president
18	17	**Sterett Crane & Rigging**	Evansville, IN	9	National	70	Jonathan Spong, president
19	18	**Fagioli USA**	Manvel, TX	4	International	168	Edoardo Ascione, president
20	21	**Tradelossa**	Durango, DGO, Mexico	7	International	279	Armando Lee, commercial manager
21	23	**Heavy Transport/Bragg**	Long Beach, CA	9	National	200	Robert Weyers, general manager
22	22	**Edwards Moving & Rigging**	Shelbyville, KY	6	International	115	Mark Edwards, CEO
23	24	**Miller Transfer**	Rootstown, OH	18	International	85	Mitchell J. Unger, president
24	25	**Northwest Logistics**	Oklahoma City, OK	6	International	190	Andy Hodges, president
25	26	**Lampson International**	Kennewick, WA	8	International	300	William Lampson, president/CEO
25	26	**W.O. Grubb Crane Rental***	Richmond, VA	14	National	400	William O. Grubb, president/owner
26	27	**DD&S Express**	Annapolis, MD	57	National		Rick Seleski, vice president
27	28	**J Supor & Son Trucking & Rigging**	Kearny, NJ	5	International	188	Doug Filos, director, heavy haul
28	40	**TJ Potter Trucking**	Becker, MN	1	International	90	Barb and Todd Potter, owners
29	30	**Contractors Cargo Company***	Compton, CA	2	National	40	Gerald Wheeler, president and owner
30	29	**Totran Transportation Services**	Calgary, Alberta Canada	2	International	120	Scott Trousdale, vice president

WEBSITE	MODULAR/ HYDRAULIC TRAILERS /DOLLIES CAPACITY (US TONS)	# IN FLEET	SPECIALIZED TRAILERS (ALL MULTI-AXLE) CAPACITY (US TONS)	# IN FLEET	# OF TRUCK/ TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
www.landstar.com	2,785	42	97,890	3,024	10,383	100,675	**13,449**
www.daseke.com	7,052	178	80,096	3,787	4,543	87,148	**8,508**
www.atsinc.com	1,305	15	64,806	2,044	942	66,111	**3,001**
www.maximcrane.com	7,640	312	40,609	1,836	600	48,249	**2,748**
www.allcrane.com	988	15	68,869	1,978	400	69,857	**2,393**
www.bennettig.com	4,260	152	52,940	932	1,128	57,200	**2,212**
www.barnhartcrane.com	27,317	644	39,921	734	366	67,238	**1,744**
www.combinedtransport.com	1,830	504	4,685	162	575	6,515	**1,241**
www.bigge.com	28,886	576	23,019	419	110	51,905	**1,105**
www.ncsg.com	10,177	309	18,115	497	157	28,292	**963**
www.deepsouthcrane.com	16,727	419	16,338	404	77	33,065	**942**
www.transportbellemare.com	7,048	283	20,016	384	250	27,064	**917**
www.dailyexp.com	1,065	14	22,475	541	315	23,540	**870**
www.mammoet.com	72,987	479	10,276	320	42	83,173	**841**
www.emmertintl.com	24,775	557	9,850	113	91	34,625	**761**
www.bayltd.com	19,160	438	2,750	145	160	21,910	**743**
www.mlcranegroup.com	2,348	80	9,330	379	240	11,378	**699**
sterettheavyhauling.com	14,245	318	10,178	276	73	24,423	**667**
www.fagioli.com	25,058	652	0	0	0	25,058	**652**
www.tradelossa.com	11,530	258	8,716	182	153	20,246	**593**
www.braggcrane.com	16,610	213	7,700	246	110	24,310	**569**
www.edwardsmoving.com	18,033	329	9,664	179	60	27,697	**568**
www.millertransfer.com	280	2	15,235	359	141	15,515	**500**
www.northwestheavyhaul.com	3,707	81	7,467	218	180	11,174	**479**
www.lampsoncrane.com	14,006	372	2,032	64	30	16,038	**466**
www.wogrubb.com	4,140	92	7,173	279	95	11,313	**466**
ddsexpress.com	779	24	9,820	243	187	10,599	**454**
www.jsupor.com	10,773	239	7,142	133	63	17,915	**428**
www.tjpottertrucking.com	160	3	4,915	320	65	5,075	**388**
www.contractorscargo.com	3,130	98	7,960	215	55	11,090	**368**
www.totran.ca	12,346	590	9,660	222	85	22,006	**367**

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.

2019 RANK	2018 RANK	COMPANY NAME	CITY STATE	# OF TERMINALS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
31	31	**Berard Transportation**	New Iberia, LA	5	National	74	Brett Berard, vice president, operations
32	33	**Entrec Corporation**	Acheson, Alberta Canada	14	International	550	John M. Stevens, president/CEO
33	35	**Beyel Brothers***	Cocoa, FL	8	Regional	375	Joseph Beyel, president
34	36	**MSA Delivery Services***	Canton, MI	6	International	75	Jerry Rozum, president
34	36	**Southwest Industrial Rigging**	Phoenix, AZ	4	International	140	Harry Baker, president
35	37	**J. F. Lomma Inc.***	South Kearny, NJ		National	163	James Lomma, president
35	NEW	**Vic's Crane & Heavy Haul**	Rosemount, MN	4	National	250	Josh Horsch, vice president
36	38	**Trans-United**	Burns Harbor, IN	12	International	57	Jeffrey S. Fleming, president/CEO
37	39	**Mountain Transport**	Salt Lake City, UT	1	National	43	Paul Belcher, CEO
38	NEW	**Triton Transport**	Chilliwack, BC, Canada	3	International	85	Jared Bragg, vice president/ general manager
39	41	**Omega Morgan**	Hillsboro, OR	6	International	350	Troy Tallent, vice president, operations
40	42	**Midwest Specialized Transportation***	Rochester, MN	2	International	76	Sean Claton, vice president/general manager
41	43	**Intermountain Rigging**	Salt Lake City, UT	2	National	90	Ron Montgomery, president
41	43	**Yarbrough Transfer Company**	Winston-Salem, NC	3	Regional	68	David Yarbrough, president
41	43	**Silk Road Transport**	Arkport, NY	1	International	45	Todd S. Haraty, COO
42	20	**Sarens USA**	Houston, TX	5	International	200	Steven Sarens, senior vice president
43	44	**Precision Heavy Haul**	Tolleson, AZ	2	National	26	Mike Poppe, president
44	45	**Taylor Crane & Rigging**	Coffeyville, KS	2	National	96	Jim C. Taylor, president
45	NEW	**Marco Transport**	Santa Ana, CA	2	Regional	42	Tim McVay, president
46	46	**Global Specialized Services**	Casper, WY	1	National	60	Jim Orr, president
47	47	**Great Lakes Heavy Haul**	Byron Center, MI	1	National	33	Ben Mayer, COO
48	48	**Specialized Inc.**	Aurora, OH	1	Regional	18	Al Kuhl, president
49	50	**Irving Equipment Ltd.**	Saint John, NB, Canada	6	Regional	100	David Irving, general manager
50	NEW	**Advanced Freight Dynamics**	Spring, TX	2	National	10	Steven Lyons, owner

* *ACT estimate*

with Landstar, Daseke and ATS in that order again. After that, things changed a little here and there with Maxim Crane Works moving from 6 to 4, Bennett Motor Express moving from 4 to 6 and ALL Erection staying at 5. The biggest gainers were Bay Ltd. and TJ Potter Trucking,

New this year are Vic's Crane & Heavy Haul, Triton Transport, Marco Transport and Advanced Freight Dynamics. Because Burkhalter was acquired by Barnhart this year, this is the first time since the start of the list in 2005 that Burkhalter has not been on the list.

A few highlights this year over 2018 is that employee counts have decreased, after an increase last year. Almost every company on the list increased its fleet size and capacity, even if it was slightly.

Due to two two-way ties and one three-way tie in fleet sizes, 55 companies made the 2019 **ACT**TRANSPORT**50.**

Methodology

While most of the major players in the North American transportation sector are represented on our **ACT**TRANSPORT**50**

NELSON MANUFACTURING
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

WEBSITE	MODULAR/ HYDRAULIC TRAILERS /DOLLIES CAPACITY (US TONS)	# IN FLEET	SPECIALIZED TRAILERS (ALL MULTI-AXLE) CAPACITY (US TONS)	# IN FLEET	# OF TRUCK/ TRACTORS	TOTAL CAPACITY US TONS	TOTAL # IN FLEET
www.berardtrans.com	11,432	238	2,236	49	39	13,668	**326**
www.entrec.com	15,840	413	10,220	182	182	26,060	**280**
www.beyel.com	5,735	164	5,820	117	65	11,555	**246**
www.msadelivery.com	0	0	23,655	170	59	23,655	**229**
www.swirusa.com	3,133	72	6,200	130	82	9,333	**229**
www.jflomma.com	0	0	44,350	170	47	44,350	**216**
www.vicscrane.com	3,114	79	2,780	92	45	5,894	**216**
www.transunited.com	2,060	42	4,140	102	68	6,200	**212**
www.mountaincrane.com	2,677	48	4,442	147	45	7,119	**192**
tritontransport.com	180	2	5,400	137	41	5,480	**180**
www.omegamorgan.com	2,200	50	3,755	73	55	5,955	**178**
www.midspec.com	60	2	3,690	106	54	3,750	**162**
www.intermountainrigging.com	1,425	37	4,100	58	46	5,525	**141**
www.yarbroughtransfer.com	0	0	3,823	89	52	3,823	**141**
www.silkroadtrans.com	1,150	30	2,040	80	31	3,190	**141**
www.sarens.com	21,110	108	1,654	10	18	22,764	**136**
www.precisionheavyhaul.com	505	14	5,299	94	14	5,804	**112**
www.taylorcrane.com	2,045	13	2,135	41	30	4,180	**85**
www.marcotrucking.com	0	0	3,293	46	30	3,293	**76**
www.gsswy.com	750	6	1,820	37	28	2,570	**71**
www.greatlakeshh.com	0	0	210	24	27	210	**51**
www.specialized-inc.com	0	0	2,120	36	11	2,120	**47**
www.irvingequipment.com	2,676	10	638	16	13	3,314	**39**
www.afd-web.com	0	0	940	22	10	940	**33**

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.

top list, there are changes from year to year based on participation. The **ACT**TRANSPORT**50** is ranked by fleet size and then by total maximum transport capacity of all relevant trailers and transport systems in a company's fleet (in U.S. tons).

The ranking is based on information supplied on our **ACT**TRANSPORT**50** 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.

TANDEMLOC INC.
Lifting • Securing • Mobilizing

Manufactured in the USA

• LIGHTWEIGHT • STRONG • PORTABLE

ALUMINUM

SPREADER BEAMS

100% INDIVIDUALLY PROOF TESTED CERTIFIED

• Working Loads Up To 62,000 LBS. • Flexible
• Ease of Assembly • Compact • Low Shipping Cost

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

www.TANDEMLOC.com

•Toll-Free Tel: 1-800-258-7324 • International Tel: (252) 447-7155

• info@tandemloc.com •824 Fontana Blvd., Havelock, NC 28532 USA

Use Promo Code for 5% off: ACT18

SPECIALIZED LIFTING50

The annual *ACT* **SPECIALIZED**LIFTING**50** continues to tiptoe upwards as companies add equipment and capacity. **Hannah Sundermeyer** reports.

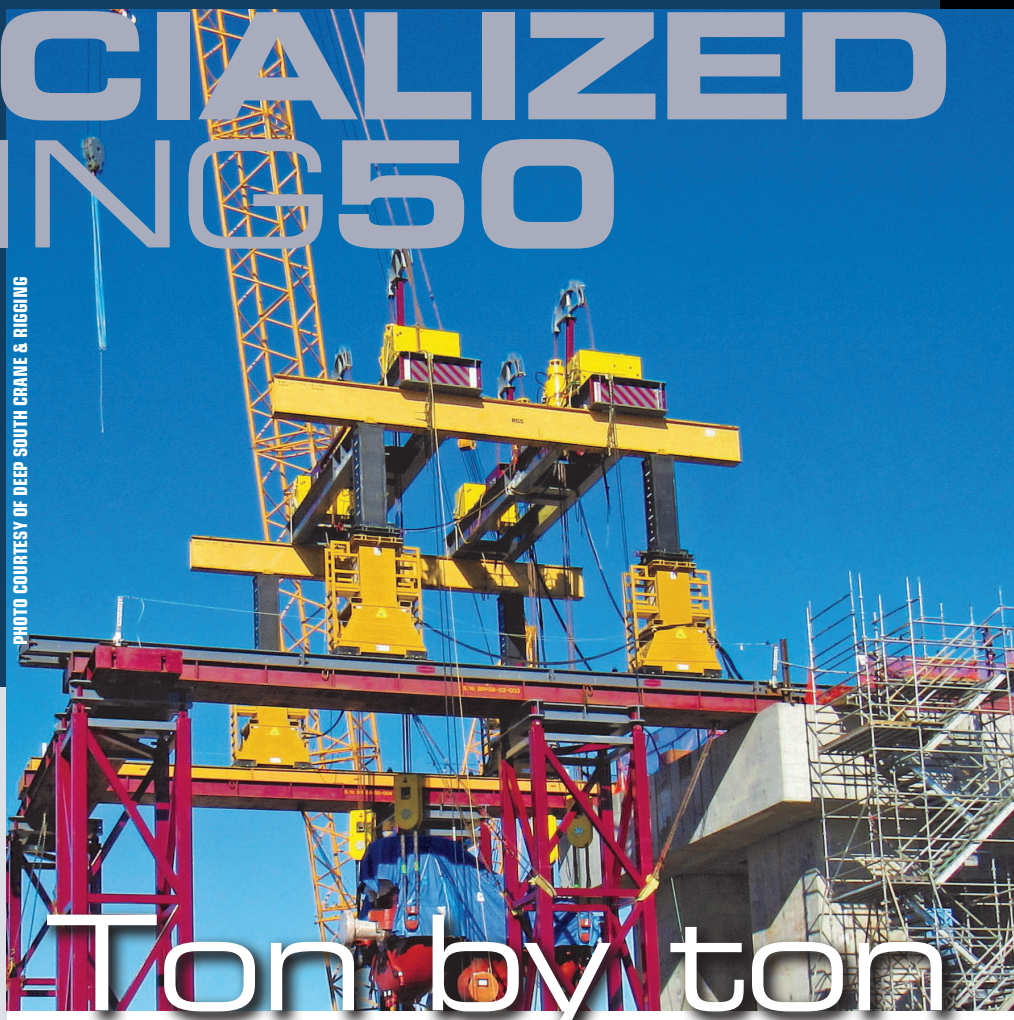


PHOTO COURTESY OF DEEP SOUTH CRANE & RIGGING

Ton by ton

From oil and gas refineries to petrochemical facilities, nuclear power plants to wind farms, whether large- or small-scale projects, there appears to be no shortage or work for the specialized lifting sector.

Over the last year, the *ACT* **SPECIALIZED**LIFTING**50** list has seen a slight increase in almost every category. While remaining steady, it appears that the market for specialized lifting is experiencing another year of quiet growth. With several minor increases, the indicators have remained stable without any notable surges since our 2018 survey. As the market continues to stabilize, the **SPECIALIZED**LIFTING**50** index should continue to see modest increases.

The **SPECIALIZED**LIFTING**50** posted an index of 1,457,799, gaining 29,927 tons over the 2018 index.

>64

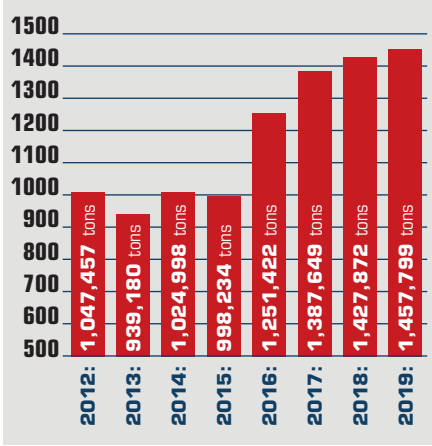
BY THE NUMBERS

- The companies represented in the **SPECIALIZED**LIFTING**50** employ **14,847** people.
- **582** gantries and rubber tired gantries are owned by these companies, the same amount in 2018.
- **951** strand jack units are owned by the **SPECIALIZED**LIFTING**50**, as compared to 895 in 2018.
- **5,248** pieces of other specialized lifting equipment (not classified as a gantry or strand jack) are owned by these companies as compared to 4,014 in 2018.
- The total capacity of every unit owned by every company on the list equals **1,457,799** tons. The total last year was 1,427,872 tons.

Top 10: LARGEST CAPACITY UNIT

RANK	NAME OF COMPANY	MAKE/MODEL OF LARGEST SPECIALIZED LIFTING UNIT	CAPACITY OF LARGEST LIFTING UNIT (U.S. TONS)	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	Mammoet North America	Mammoet Lift System	350,000	372,800
2	Fagioli USA	Fagioli Self-Propelled Skid System	70,000	288,000
3	Deep South	Deep South Specialized Jack System	16,000	29,800
4	Wolfe House Movers	Synchronized Lifting System	12,000	16,905
5	Omega Morgan	Heavy Slide System	6,000	8,150
6	Barnhart Crane & Rigging	Barnhart Modular Lift Tower	5,000	285,850
7	Bigge Crane & Rigging	Bigge Lift Tower System	4,000	91,862
8	Berard Transportation	Enerpac Syncrolift	4,000	12,600
9	Burkhalter	Enerpac EP5000 Jacking System	3,527	22,700
10	Emmert International	Emmert Lift System	3,250	80,850

TOTAL CAPACITIES BETWEEN 2012 AND 2018



RANK 2019	2018	NAME OF COMPANY	LOCATION	# OF DEPOTS	SCOPE OF OPERATION	# OF EMPLOYEES	SENIOR CONTACT
1	⊙1	Mammoet Americas	USA	25	Worldwide	1,300	Bill Ambrose, president, Americas
2	⊙2	Fagioli, Inc.	USA	2	Worldwide	142	Edoardo Ascione, president
3	⊙3	Barnhart Crane & Rigging	USA	51	National	1,450	Alan Barnhart, CEO
4	⊙4	Bigge Crane & Rigging	USA	17	National	1,065	Weston Settlemier, president & CEO
5	⊙5	Emmert International	USA	3	Worldwide	110	Terry W. Emmert, president
6	⊙6	Edwards Moving & Rigging	USA	9	Worldwide	106	Mark Edwards, CEO
7	⊙7	Deep South Crane & Rigging	USA	8	Worldwide	630	Mitch Landry, president
8	⊙9	Burkhalter	USA	4	Worldwide	91	Delynn Burkhalter, CEO
9	⊙8	Doral Equipment	USA	3	National	50	Rob Keelan, vice president
10	⊙10	Wolfe House Movers	USA	2	Worldwide	45	Jamin Buckingham, president
11	⊙12	Lampson International	USA	8	Worldwide	300	William Lampson, president & CEO
12	⊙11	Rigging Gear Sales, Inc.	USA	1	Worldwide	15	Ben Forster, vice president
13	⊙17	Taylor Crane & Rigging	USA	2	National	86	Jim C. Taylor, Jr.,founder & president
14	⊙13	Erickson's*	USA	3	Regional	70	Steve Erickson, president
15	⊙15	Berard Transportation	USA	5	National	75	Brett Berard, vice president, operations
16	⊙14	Transport Bellemare*	Canada	4	Worldwide	1,100	Daniel Provost, transport operations manager
17	NEW	Global Rigging & Transport	USA	1	Worldwide	30	Dan Close, business development
18	⊙16	International Industrial Contracting Corporation*	USA	4	National	300	Randall L. Goddard, vice president
19	⊙18	Omega Morgan	USA	4	Worldwide	325	Troy Tallent, vice president
20	⊙22	IRM Industry Movers	Mexico	2	Worldwide	130	David Gonzalez, president & CEO
21	⊙19	TNT Crane & Rigging	USA	42	National	1,700	Mike Appling, CEO
22	⊙20	Norris Brothers Co.*	USA	1	Regional	65	Bernard E. Weir Jr., chairman
23	⊙21	PSC Crane & Rigging	USA	4	National	175	Randy Sever, executive vice president
24	⊙29	Maxim Crane Works	USA	50	National	3,000	Frank Bardonaro, COO
25	⊙23	Transtell SA de CV*	Mexico	1	Worldwide	120	Guillermo Arce, general manager
26	⊙24	Advanced Rigging & Machinery Movers	USA	1	Regional	30	Matthew Hinty, president
27	⊙25	Duffy Crane & Hauling*	USA	1	Regional	50	Jeffrey L. Cummings, president
28	NEW	Engineered Rigging	USA	3	Worldwide	10	Christopher Cox, president
29	⊙27	Atlas Industrial Contractors*	USA	7	Worldwide	350	Randy Goddard, executive vice president
30	⊙30	Riggers Group	Mexico	3	Worldwide	65	Hector R. Tores, Da Vila, vice president
31	⊙31	Mid-Atlantic Lift Systems	USA	1	National	4	Travis Hall, president
32	⊙33	Williams Steel Erection Company*	USA	1	Regional	100	Marianne Pastor, vice president
33	⊙34	Process Group Inc.	Canada	3	National	275	Bryan Snyder, vice president, construction
34	⊙35	CSE Inc.*	USA	5	National	250	Lisa Moon Stinnette, CEO
35	⊙37	Intermountain Rigging & Heavy Haul	USA	2	National	95	Ron Montgomery, president
36	⊙36	Holland Moving & Rigging*	USA	1	Worldwide	20	Chris Holland, president
37	⊙39	Mountain Crane Service	USA	4	National	122	Paul Belcher, chief executive officer
38	⊙38	Southwest Industrial Rigging*	USA	4	National	170	
39	⊙26	Cropac Equipment*	Canada	4	National	75	Johnathan Vieira, marketing manager
40	⊙40	AME Inc.*	USA	4	Worldwide	158	Scott Walken, director of preconstruction
41	NEW	M-L Crane Group	USA	14	National	587	Scott Wilson, president
42	NEW	HMS Lift Inc.	Canada	1	Worldwide	8	Eric Lavigne, manager

* *estimated*

WEBSITE	# OF RUBBER TIRED GANTRIES	# OF GANTRIES	# OF OTHER SPECIALIZED LIFTING UNITS	# OF STRAND JACK UNITS	MAKE/MODEL OF LARGEST SPECIALIZED LIFTING UNIT	CAPACITY OF LARGEST SPECIALIZED LIFTING UNIT (U.S. TONS)	SPECIALIZED LIFTING INDEX (U.S. TONS)
www.mammoet.com	0	20	305	157	Mammoet Lift System	350,000	**372,800**
www.fagioli.com	0	20	146	596	Fagioli Self-Propelled Skid System	70,000	**288,000**
www.barnhartcrane.com	0	87	770	25	Barnhart Modular Lift Tower	5,000	**285,850**
www.bigge.com	0	22	236	74	Bigge Lift Tower System	4,000	**91,862**
www.emmertintl.com	1	4	1,049	4	Emmert Lift System	3,250	**80,850**
www.edwardsmoving.com	0	16	560	4	Hydrospex Strand Jack System	800	**60,957**
www.deepsouthcrane.com	2	3	50	6	Deep South Specialized Jack System	16,000	**29,800**
www.burkhalter.net	0	5	60	14	BPU-750	3,527	**22,700**
www.doralequipmentrental.com	0	6	58	0	Riggers 604	600	**21,800**
www.buckinghamtransport.com	0	0	87	0	Buckingham Synchronized Lifting System	12,000	**16,905**
www.lampsoncrane.com	0	4	8	0	E-Z Lift	2,400	**13,500**
www.rgsinc.net	0	118	219	0	Lift Systems HH1000	1,000	**13,246**
www.taylorcrane.com	0	9	210	0	Enerpac EVO Sync Lift System	2,400	**12,998**
www.Ericksonsgr.com	0	5	80	0	Enerpac SBL 1100	1,176	**12,676**
www.berardtrans.com	0	0	8	0	Enerpac Syncrolift	4,000	**12,600**
www.groupebellemare.com	0	1	5	0	Goldhofer	2,872	**12,000**
www.globalrigging.com	0	0	15	16	CTTS	2,000	**10,000**
www.iiccusa.com	0	36	525	0	Riggers Manufacturing EZ604	600	**9,660**
www.omegamorgan.com	0	6	18	0	Heavy Slide System	6,000	**8,150**
www.irmindustrial.com	0	3	103	0	J&R Engineering Lift N Lock Gantry	500	**7,530**
www.tntcrane.com	0	6	75	0	Enerpac SBL 1100	1,100	**7,200**
www.norrisbr.com	0	3	13	0		125	**6,695**
www.pscind.com	0	3	103	1	Hydra-Slide JS250 Up 'N Go	1,000	**6,210**
www.maximcrane.com	0	12	124	4	J&R Lift N Lock Gantry	700	**5,750**
www.transtell.com.mx	0	2	3	2	Hydrospex HSL2000 Lifting	2,040	**5,340**
www.advanced-rigging.com	1	10	130	0	Hydratech FS 404 270	400	**5,300**
www.duffycrane.com	0	1	20	0			**5,000**
www.EngineeredRigging.com	0	2	8	2	Enerpac SBL 1100	1,200	**5,000**
www.atlascos.com	0	3	89	4	Atlas Tower Lifting System	800	**4,400**
www.riggers.mx	0	4	19	38	J&R Engineering Lift N Lock Gantry L1200	600	**3,850**
www.midatlanticlift.com	0	38	28	0	Lift Systems 34PT5400WT	500	**3,258**
www.wmsi.com	21	24	6	0	Link-Belt HC 278	300	**2,200**
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	1	4	1	4	J&R Model L903-4-34-Gantry	450	**2,000**
www.hmrsupplies.com	50	0	20	0	Holland Power Dolly	55	**1,990**
www.mountaincrane.com	0	2	8	0	J&R Engineering Lift-N-Lock Gantry	700	**1,400**
www.swirusa.com	0	4	7	0	Lift Systems 850	850	**1,332**
www.cropac.com	5	5	45	0	Taylor X360M	50	**1,000**
www.ameonline.com	0	3	5	0	Lift Systems 75 Ton Twin-Lift	75	**755**
www.mlholdingscranegroup.com	0	3	12	0	Enerpac SBL-500	500	**760**
www.brutelift.com	0	0	8	0	BruteLift	200	**345**

>66

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

With the exception of a few flat years, its easy to see that each year brings with it slight progress across the board. Acquisitions have accounted for some of the jumps on the list as the larger companies continue to expand, while smaller companies show little growth.

This year's **SPECIALIZED**LIFTING**50** employs some 14,847 people, increasing by 198 employees over 2018. As the industry continues to combat the work force gap, the availability of jobs is increasing alongside a declining number of employees interested in filling them. In hopes of bridging this gap, the future of the industry will rely on a growing awareness in more blue collar job opportunities to keep this number steady and growing. ■

ACT began distributing survey forms for the **SPECIALIZED**LIFTING**50** list via email in January 2019 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 2018 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*, and its editors and its publishers do not assume responsibility for any errors or omissions. We strive to improve this list, as well as our other annual lists, every year.

2020

To be a part of our 2020 **SPECIALIZED**LIFTING**50**, email the editor, D.Ann Shiffler, to request a survey form. She can be reached at d.ann.shiffler@khl.com. Or you may email Assistant Editor Hannah Sundermeyer at hannah.sundermeyer@khl.com.

Top 10: NUMBER OF GANTRIES

RANK	NAME OF COMPANY	TOTAL NUMBER OF GANTRIES	SPECIALIZED LIFTING INDEX (U.S. TONS)
1	Rigging Gear Sales, Inc.	118	13,246
2	Barnhart Crane & Rigging	87	285,850
3	Mid-Atlantic Lift Systems	38	3,258
4	International Industrial Contracting Corporation*	36	9,660
5	Williams Steel Erection Company*	24	TBD
6	Bigge Crane & Rigging	22	91,862
7	Mammoet North America	20	372,800
8	Fagioli USA	20	288,000
9	Edwards Moving & Rigging	26	60,957
10	Maxim Crane Works	12	5,750

REGISTER FOR THE **FREE** DIGITAL ISSUE

Delivered instantly anywhere in the world

- **Interactive**
- **Searchable**
- **Archiveable**

For more details and to register for your own, **FREE**, digital copies go to: www.khl.com/subscriptions

khl

INFORMATION THAT BUILDS AND POWERS THE WORLD

www.khl.com

the next generation of automatic load lifting

levo.pewag.com

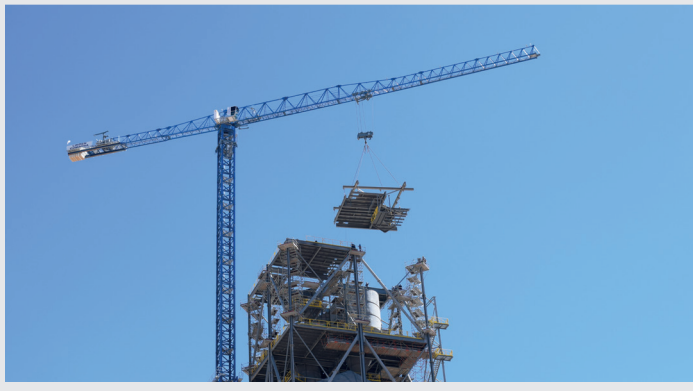
pewag levo hook LH
pewag levo clamp LC

- Automated loading and unloading from a safe distance
- Elimination of manual working steps
- Increase of work safety

pewag

STRONG IS NOT ENOUGH
pewagchain.com

800.526.3924
sales@pewagchain.com
pewagchain.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

COMANSA.COM

ASIA
Hangzhou - P.R. China
+86 571 8299 5555
sales@comansacm.com.cn

INTERNATIONAL HQ
Huarte - Spain
+34 948 33 50 20
export@comansa.com

NORTH AMERICA
Pineville (NC) - USA
+1 800 589 7980
sales@lcacranes.com

COMANSA

Tower power

The annual **ACT**TOWER**CRANE**50 top list continues to mature. **Hannah Sundermeyer** reports.

PHOTO: © BOB DIMMITT PHOTOGRAPHY 2019

BY NUMBERS

TOWER CRANES
2,026

BRANCHES
250

EMPLOYEES
8,192

Largest tower cranes
(by capacity)

2019 RANK	COMPANY	LARGEST TOWER CRANE	CAPACITY (MT)
1	J.F. Lomma Inc.	Favco M1280D	96
2	Morrow Equipment	Liebherr 710 HC-L	64
3	Maxim Crane Works	Wolff 1250B	60
4	Bigge Crane & Rigging	Comedil CTT 721-40B	40
5	ALL Family of Companies (ALL Erection & Crane Rental)	Potain MD 610	32
6	Leavitt Cranes Inc.	Terex CTL 630	32
7	P&J Arcomet	Terex Peiner SK 575	32
8	Stafford Crane Group	Terex Peiner SK 575	32
9	RMS Cranes	Potain MR 608	32
10	Oxford Builders Supplies	Terex Comedil CTL 630	32
11	Skycrane Limited	Sun STT-753	32
12	B&G Equipment and Supply	Terex Peiner SK 575	32
13	ML Crane Group	Terex Peiner SK 575	32
14	Wolffkran Inc.	Wolff 355 B	28
15	Crane Tech Solutions	Jaso J560	24
16	Compass Equipment	Potain MD 569	23
17	Guay	Peiner SK 415-20	20
18	Blue Hat Crane & Equipment Rental*	Linden Comansa 21LC550	20
19	Custom Service Crane	Wolff 8033.20	20
20	Connelly Crane Rental	Terex Peiner SK 415	20

Has the tower crane market peaked? 2018 was a banner year for the market and 2019 doesn't seem to be showing any stress. Economic indicators show a growing market for tower cranes but competition for customers is fierce. Several new tower crane players have entered the U.S. market over the past five years, some that are experiencing solid success.

The **ACT**TOWER**CRANE**50 shows steady growth with one new company. The list has grown from 1,941 units in 2018 to 2,026 units in 2019, a net gain of 85 units. While tower crane unit counts are up, they are not at the pace of last year's 168 new units. This year's list has 24 companies with 250 branches and 8,192 employees.

Last year's list had 23 companies, 251 branches and 9,264 employees. So, it looks like companies are retrenching a

>70

2019 ACTTOWERCRANE50

2019 RANK	2018 RANK	COMPANY	COUNTRY	NO. OF DEPOTS	NO. OF EMPLOYEES	SCOPE OF OPERATION
1	1	Morrow Equipment	USA	20	341	Worldwide
2	2	Maxim Crane Works	USA	55	3,615	National
3	3	Bigge Crane & Rigging	USA	18	950	National
4	5	P&J Arcomet	USA	4	56	National
5	4	ALL Family of Companies (ALL Erection & Crane Rental)	USA	36	1,600	National
6	7	Stafford Crane Group	USA	8	100	Worldwide
7	NEW	Leavitt Cranes Inc.	USA	34	40	Worldwide
8	6	Creative Lifting Services	USA	1	26	National
9	8	RMS Cranes	USA	6	311	Regional
10	9	Bigfoot Crane Company	Canada	2	28	National
11	10	Oxford Builders Supplies	Canada	4	64	National
12	12	Blue Hat Crane & Equipment Rental*	USA	6	92	National
13	17	Compass Equipment	USA	4	75	Regional
14	13	Skycrane Limited	Canada	2	12	Worldwide
15	11	J.F. Lomma Inc.	USA	8	163	Worldwide
16	15	B&G Equipment and Supply	USA	6	105	National
17	14	Guay	Canada	20	500	National
18	18	ML Crane Group	USA	2	70	National
19	16	Allied Crane*	Canada	1	14	National
20	20	Wolffkran Inc.	USA	2	7	Worldwide
21	19	Custom Service Crane	USA	5	50	Regional
22	21	Connelly Crane Rental	USA	3	49	National
23	23	Crane Tech Solutions	USA	2	25	Regional
24	22	Kranes Inc. of Central New York	USA	1	4	Regional

*ACT Estimate

bit, not hiring as rapidly or expanding as much as they did in 2018.

The **ACT**TOWER**CRANE**50 list continues to be affected by mergers and acquisitions, just like our **ACT**100 list of top crane-owning companies.

Morrow Equipment is the Number 1 company on our list. Morrow has been at the top of the list since the beginning. This year Morrow logged 568 tower cranes, some 98 fewer units than the 666 units it listed last year. The company shows 20 depots in 2019 and 341 employees. While Morrow's numbers may be down a bit, this is likely a right sizing due to the market. Morrow remains firmly ensconced at the top of the list, rightfully owning the title as the largest tower crane-owning company in North America.

At Number 2, Maxim Crane Works has 373 tower cranes. The company has 55 depots as compared to 52 last year and 3,615 employees, up from 3,500 last year.

The Number 3 company on the list is Bigge Crane & Rigging, which continues to invest in its tower crane fleet. The company reported 210 units last year and 250 units this year, up 40 tower cranes.

The biggest surprise this year was the jump up by P&J Arcomet from Number 5 to Number 4, taking over the 4th spot held for years by the ALL Family of Companies. P&J Arcomet listed 93 tower cranes in its fleet last year and 107 this year.

The ALL Family of Companies round out the top 5 with 98 tower cranes in its fleet, up four units from 94 in 2018.

SENIOR CONTACT	WEBSITE	LARGEST TOWER CRANE IN FLEET	LARGEST TOWER CRANE CAPACITY (MT)	NUMBER OF TOWER CRANES IN FLEET
Christian Chalupny, president	morrow.com	Liebherr 710 HC-L	64	568
Bryan Carlisle, CEO	maximcrane.com	Wolff 1250B	60	373
Weston Settlemier, president and CEO	bigge.com	Comedil CTT 721-40B	40	250
Stephen Jehle, president and CEO	pjarcomet.com	Terex Peiner SK 575	32	107
Michael L. Liptak, president	allcrane.com	Manitowoc Potain MD 608	32	98
Patrick Stafford, president	staffordcranegroup.com	Terex Peiner SK 575	32	79
Erick Zampini, general manager	leavittcranes.com	Terex CTL 630	32	78
Will Webb, president	creativelifting.com	Saez TLS-65	10	63
Dennis "Whitey" Lebsack, sales	rmscranes.com	Potain MR 608	32	50
Ryan Burton, managing partner	bigfootcrane.com	Potain MDT-219	10	44
Mike Demelo, VP of equipment operations	oxfordbuilders.ca	Terex Comedil CTL 630	32	41
Henry Volante, director, tower crane operations	bluehatcrane.com	Linden Comansa 21LC550	20	37
Kelly Hadland, CEO	compassequipment.com	Potain MD 569	23	36
Jim Howard, president	towercranes.net	Sun STT-753	32	31
James Lomma, president	jflommainc.com	Favco M1280	96	30
JR Moran, director of crane operations	bgequipmentsupply.com	Terex Peiner SK575	32	28
Jean-Marc Baronet, president	gruesguay.com	Terex Peiner SK 415	20	24
Joe Mirabile, Mid-Atlantic general manager	unitedcraneandrigging.com	Terex Peiner SK 575	32	24
Derek Kasa, manager	alliedcraneltd.ca	Jaso J300N	12	23
Todd Yager, president	wolffkran.com	Wolff 355 B	28	14
Randy Huffman, vice president	customservicecrane.com	Wolff 8033.20	20	11
Michael A. Connelly, president	connellycrane.com	Terex Peiner SK 415	20	7
Robert Kohler, vice president	cranetechsolutions.com	Jaso J560	24	7
Neil Keukelaar, president	kranesinc.com	Potain MDT 302	17.5	3

Most companies on our list have increased the number of tower cranes in their fleets since this time last year.

In terms of the largest cranes on the list, J.F. Lomma Inc. still has the largest capacity tower crane, the Favco M1280D, with a capacity of 96 metric tons.

As always, the *ACT* team made a monumental effort to increase the number of companies on the **ACT**TOWER**CRANE**50 top list. We created a database of close to 90 companies that we know have one or more tower cranes in their fleets. The problem is getting these companies to realize the value in filling out our survey form and submitting their information. As ever, we will continue to try to get this list to its rightful size of at least 50 companies.

The 2019 **ACT**TOWER**CRANE**50 shows that growth may be slowing in the tower crane sector, but the smart companies will be able to handle a decreasing market. Congratulations to those who made our list!

Disclaimer

Like all of our lists, we work very hard to ensure the accuracy of the information submitted to us. *ACT* and its editors are not responsible for inaccuracies or errors in our top lists.We hope to continually grow this list. If your company has one or dozens of tower cranes in your fleet, you should be on this list. To receive a 2020 survey, please e-mail: D.Ann Shiffler at d.annshiffler@khl.com or Hannah Sundermeyer at hannah.sundermeyer@khl.com.

NOBODY OWNS THE SAFEST GEAR ON THE JOBSITE. THEY RENT IT.
(800) 878-7305 Rentals@RentLGH.com www.RentLGH.com/ACT
LGH
THE LIFTING EXPERTS

2020 calendar of industry

JANUARY 8-11, 2020

SC&RA Board and Committee Meetings
Cabo San Lucas, Mexico
www.scranet.org

JANUARY 14-17, 2020

AED Summit
Chicago, IL
www.aednet.org/summit/

FEBRUARY 4-7, 2020

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

FEBRUARY 10-12, 2020

The ARA Show
Orlando, FL
www.arashow.org

FEBRUARY 18-21,2020

SC&RA Specialized Transportation Symposium
Charlotte, NC
www.scranet.org

MARCH 10-14, 2020

ConExpo-Con/Agg Trade Show
Las Vegas, NV
www.conexpoconagg.com

MARCH 11, 2020

Off-Highway Global Briefing (During ConExpo)
Las Vegas, NV
www.offhighwaybriefing.com

APRIL 14-18, 2020

SC&RA Annual Conference
Amelia Island, FL
www.scranet.org

APRIL 14-18, 2020

North American Iron Workers/IMPACT Conference
Chicago, IL
www.impact-net.org

APRIL 19-22, 2020

AWRF General Meeting
Boca Raton, FL
www.awrf.org

APRIL 23, 2020

ESTA Awards of Excellence
The Netherlands
www.khl-group.com/events/esta

MAY 12-15, 2020

ACRP General Assembly
San Diego, CA
www.acrp.net

MAY 27-30, 2020

Crane Rental Association of Canada (CRAC)
Conference and General Meeting
Vancouver, BC
https://crac-aclg.ca

JUNE 1-4, 2020

AWEA Wind Power
Denver, CO
www.cleanpowerexpo.org

events

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

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

JUNE 23, 2020

TOWER CRANES NORTH AMERICA CONFERENCE & RECEPTION

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

SEPTEMBER 16-18, 2020

SC&RA Crane & Rigging Workshop
Dallas, TX
www.scranet.org

SEPTEMBER 29- OCTOBER 1, 2020

BREAKBULK AMERICAS

Breakbulk Americas
Houston, TX
www.americas.breakbulk.com

OCTOBER 4-7, 2020

AWRF

AWRF Fall General Meeting & PIE
Denver, CO
www.awrf.org

DECEMBER 8-10, 2020

POWER-GEN INTERNATIONAL

Power-Gen
Orlando, FL
www.power-gen.com

join today
www.scranet.org/join

SC&RA Specialized Carriers & Rigging Association
OUR MEMBERS LIFT & MOVE THE WORLD

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

Conversion

The crane marketplace is truly a global one, although there are still regulations and other issues that complicate the ability for there to be a truly "global" crane. Most of the major manufacturers produce cranes for markets around the world, but for the sake of the *ACT Sourcebook*, we only include cranes that are marketed in North America.

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

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

In the *ACT Sourcebook 2019,* we have

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

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

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

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

SPEED

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

FUEL

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

WEIGHT

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

TEMPERATURE

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

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

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

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

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

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

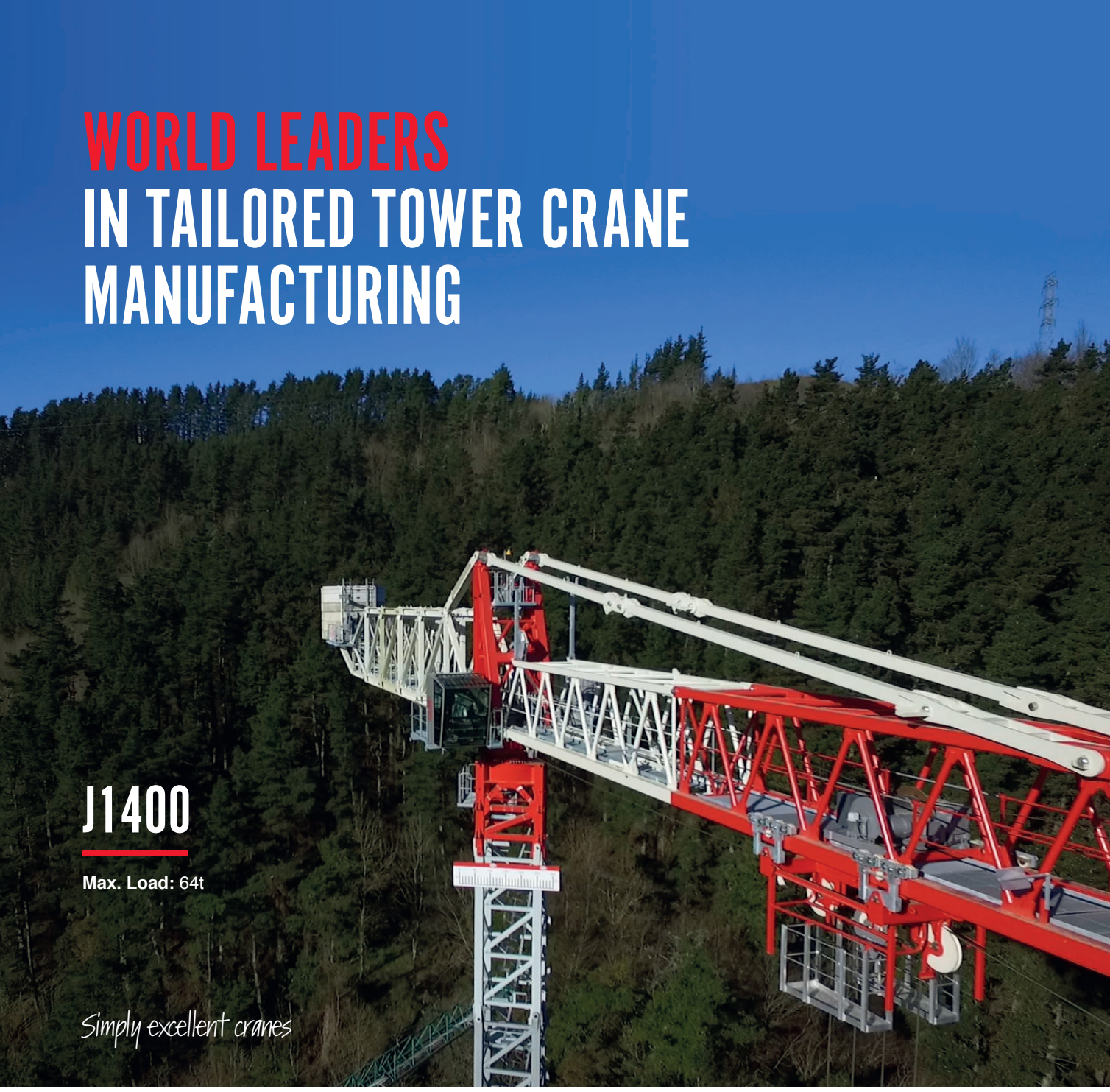
Cubic Yards (yd^3)		Cubic Meters (m^3)
1.308	1	0.765
2.616	2	1.529
3.924	3	2.294
5.232	4	3.058
6.540	5	3.823
7.848	6	4.587
9.156	7	5.352
10.464	8	6.117
11.772	9	6.881

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

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

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

WORLD LEADERS
IN TAILORED TOWER CRANE MANUFACTURING



J1400

Max. Load: 64t

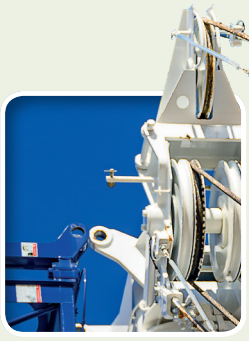
Simply excellent cranes

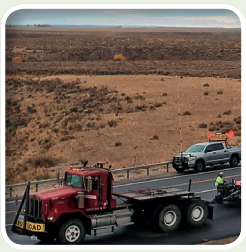
JASO TOWER CRANES®

Follow us at:
www.jaso.com

JASO TOWER CRANES
Ctra. Madrid-Irún, Km 415 • 20213 Idiazabal (Gipuzkoa) • Spain
T. (+34) 943 187 000 • **E.** jaso@jaso.com

JASO GROUP®





MOBILE CRANES 78
ALL TERRAINS
BY MANUFACTURER 78
BY CAPACITY 79
ROUGH TERRAINS
BY MANUFACTURER 80
BY CAPACITY 81
TRUCK CRANES
BY MANUFACTURER 81
BY CAPACITY 82

BOOM TRUCKS 82
BY MANUFACTURER 82
BY CAPACITY 85

CRAWLER CRANES 87
BY MANUFACTURER 87
BY CAPACITY 89

TELESCOPIC CRAWLERS 90
BY MANUFACTURER 90
BY CAPACITY 91

MEGA CRANES 91
BY MANUFACTURER 91
BY CAPACITY 91

TOWER CRANES 92
LUFFING JIB
BY MANUFACTURER 92
BY CAPACITY 94
SADDLE JIB
BY MANUFACTURER 97
BY CAPACITY 101
SELF-ERECTING
BY MANUFACTURER 105
BY CAPACITY 106

ARTICULATING CRANES 107
BY MANUFACTURER 107
BY CAPACITY 110

INDUSTRIAL CRANES 113
BY MANUFACTURER 114
BY CAPACITY 116

RUBBER TIRED GANTRY CRANES 119
BY MANUFACTURER 119
BY CAPACITY 120

ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Demag	AC 45 City	40	0.6@36	31.2	13	44.2	3	48	n/s	260	50
Demag	AC 55-3	55	0.8@38	50	0	50	3	53	n/s	260	60
Demag	AC 60-3	60	0.7@46	50	16	66	3	53	n/s	260	65
Demag	AC 100-4(L)	100	1.2@50	59.4	27	81.6	4	53	n/s	340	120
Demag	AC 130-5	130	1.7@54	59.8	26.5	86.5	5	53	n/s	368	140
Demag	AC 160-5	160	1.7@58	68	33	101	5	53	n/s	368	180
Demag	AC 220-5	220	1.8@70	78	21	99	5	53	n/s	368	245
Demag	AC 250-5	250	1.9@66	70	33	101.8	5	53	n/s	368	300
Demag	AC 300-6	300	2.2@74	80	63	116.3	6	53	n/s	430	350
Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	n/s	450	400
Demag	AC 500-8	500	2.2@110	56	90	145.8	8	47	n/s	480	600
Demag	AC 700-9	700	3.8@110	60	96	149.5	9	47	n/s	460	800
Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	n/s	480	1320
Grove	GMK3050-2	50	0.9 @ 36.0	40	8	50	3	53	12	254	55
Grove	GMK3060L	60	0.6 @ 48.0	48	15	65	3	53	12	254	65
Grove	GMK4080-2	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4090	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Grove	GMK4100L-1	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Grove	GMK5150	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150L	150	0.9 @74.0	60	33.8	97	5	53	12	390	175
Grove	GMK5180-1	180	1.1 @76.0	64	34	101	5	53	12	390	210
Grove	GMK5200-1	200	1.0 @84.0	64	34	101	5	53	12	390	240
Grove	GMK5250L-1	250	0.9 @88.0	70	37	110	5	53	12	390	300
Grove	GMK5250XL-1	250	0.8 @90.0	78.5	33.8	115	5	53	12	390	300
Grove	GMK6300L-1	300	0.9 @94.0	80	37	120	6	53	12	430	350
Grove	GMK6400	400	2.6 @96.0	60	79	136	6	53	12	405	450
Grove	GMK7450/GMK7550	450	1.4 @104.0	60	79	136	7	53	12	420	550
Liebherr	LTM 1030-2.1	35	0.4@40	30	15	44	2	50	12	210	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	50	12	210	45
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	260	50
Liebherr	LTM 1050-3.1	50	0.6@44	38	16	54	3	53	12	270	60
Liebherr	LTM 1055-3.2	55@2.5	0.9@46	40	16	56	3	53	12	270	65
Liebherr	LTM 1060-3.1	60@2.1	0.9@48	48	16	63	3	53	12	270	70
Liebherr	LTM 1070-4.2	70@2.5	0.7@48	50	16	65	4	53	12	300	80
Liebherr	LTM 1090-4.2	90	0.7@62	60	16	76	4	53	12	330	110
Liebherr	LTM 1095-5.1	95	0.8@60	58	26	82	5	53	12	370	115
Liebherr	LTM 1100-4.2	100	0.8@58	60	33	91	4	53	12	350	120
Liebherr	LTM 1100-5.2	100@2.7	0.8@66	52	33	84	5	53	12	370	120
Liebherr	LTM 1110-5.1	110@3.0	1.0@54	60	33	91	5	53	10/12	400	125
Liebherr	LTM 1130-5.1	130	0.9@72	60	33	91	5	53	12	400	155
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Liebherr	LTM 1200-5.1	200	1.3@80	72	36	101	5	53	12	370	240
Liebherr	LTM 1230-5.1	230	1,5@72	75	43	110	5	53	12	400	275
Liebherr	LTM 1250-5.1	250	1.1@96	60	50	108	5	53	12	400	300
Liebherr	LTM 1300-6.2	300	1.1@94	78	70	114	6	53	12	450	360
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	450	400
Liebherr	LTM 1400-7.1	400	1.5@100	60	84	130	7	53	12	450	500
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	131	8	53	12	505	550
Liebherr	LTM 1500-8.1	500	3.6@108	84	91	142	8	53	12	500	600
Liebherr	LTM 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Liebherr	LTM 11200-9.1	1,200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1500
Link-Belt	175IAT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Link-Belt	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Tadano	ATF 70G-4 (44m)	70 @ 2.5	0.68 @ 50	44	16	61	4	52	12	320	75
Tadano	ATF 70G-4 (52.1m)	70 @ 2.5	0.68 @ 46	52.1	16	69.5	4	52	12	320	75
Tadano	ATF 100G-4	100 @ 2.3	0.68 @ 56	51.2	18	71	4	52	12	320	110
Tadano	ATF 110G-5	110 @ 3.0	1.08 @ 68	52	32	87.5	5	52	12	390	130
Tadano	ATF 130G-5	130 @ 2.7	1.08 @ 72	60	32	95	5	52	12	390	160

ALL TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Tadano	ATF 200G-5	200 @ 2.7	1.17 @ 80	60	36	99.5	5	52	12	390	220
Tadano	ATF 220G-5	220 @ 2.5	1.31 @ 84	68	35.8	107.5	5	52	12	390	250
Tadano	ATF 400G-6	400 @ 2.7	2.09 @ 86.1	60	78.5	125	6	52	12	460	450

ALL TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (m)	Number of Axles (#)	Maximum Travel Speed (mph)	Onroad Axle Loading (t/axle)	Engine Power (kW)	Capacity US tons
Liebherr	LTM 1030-2.1	35	0.4@40	30	15	44	2	50	12	210	40
Liebherr	LTM 1040-2.1	40@2.5	0.4@39	35	9.5	44	2	50	12	210	45
Demag	AC 45 City	40	0.6@36	31.2	13	44.2	3	48	n/s	260	50
Liebherr	LTC 1050-3.1	50	0.7@39	36	13	48	3	53	12	260	50
Grove	GMK3050-2	50	0.9 @ 36.0	40	8	50	3	53	12	254	55
Demag	AC 55-3	55	0.8@38	50	0	50	3	53	n/s	260	60
Liebherr	LTM 1050-3.1	50	0.6@44	38	16	54	3	53	12	270	60
Demag	AC 60-3	60	0.7@46	50	16	66	3	53	n/s	260	65
Grove	GMK3060L	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
Liebherr	LTM 1060-3.1	60@2.1	0.9@48	48	16	63	3	53	12	270	70
Tadano	ATF 70G-4 (44m)	70 @ 2.5	0.68 @ 50	44	16	61	4	52	12	320	75
Tadano	ATF 70G-4 (52.1m)	70 @ 2.5	0.68 @ 46	52.1	16	69.5	4	52	12	320	75
Liebherr	LTM 1070-4.2	70@2.5	0.7@48	50	16	65	4	53	12	300	80
Grove	GMK4080-2	80	0.8 @ 56.0	51	21	75	4	53	12	320	88
Grove	GMK4090	90	0.7 @ 58.0	51	21	75	4	53	12	320	100
Liebherr	LTM 1090-4.2	90	0.7@62	60	16	76	4	53	12	330	110
Tadano	ATF 100G-4	100 @ 2.3	0.68 @ 56	51.2	18	71	4	52	12	320	110
Grove	GMK4100L-1	100	0.8 @ 62.0	60	25.6	89	4	53	12	320	115
Liebherr	LTM 1095-5.1	95	0.8@60	58	26	82	5	53	12	370	115
Demag	AC 100-4(L)	100	1.2@50	59.4	27	81.6	4	53	n/s	340	120
Liebherr	LTM 1100-4.2	100	0.8@58	60	33	91	4	53	12	350	120
Liebherr	LTM 1100-5.2	100@2.7	0.8@66	52	33	84	5	53	12	370	120
Liebherr	LTM 1110-5.1	110@3.0	1.0@54	60	33	91	5	53	10/12	400	125
Tadano	ATF 110G-5	110 @ 3.0	1.08 @ 68	52	32	87.5	5	52	12	390	130
Demag	AC 130-5	130	1.7@54	59.8	26.5	86.5	5	53	n/s	368	140
Liebherr	LTM 1130-5.1	130	0.9@72	60	33	91	5	53	12	400	155
Tadano	ATF 130G-5	130 @ 2.7	1.08 @ 72	60	32	95	5	52	12	390	160
Grove	GMK5150	150	0.9 @ 76.0	51	41.8	88	5	53	12	390	175
Grove	GMK5150L	150	0.9 @74.0	60	33.8	97	5	53	12	390	175
Link-Belt	175IAT	150@2.1	.5@73.1	60.1	33.2	96.1	5	55	12	432	175
Demag	AC 160-5	160	1.7@58	68	33	101	5	53	n/s	368	180
Liebherr	LTM 1160-5.2	180@2.5	0.7@78	62	40	99	5	53	12	400	190
Grove	GMK5180-1	180	1.1 @76.0	64	34	101	5	53	12	390	210
Link-Belt	ATC-3210	136	3.2@56	61	35.6	93.7	5	62	n/s	421	210
Tadano	ATF 200G-5	200 @ 2.7	1.17 @ 80	60	36	99.5	5	52	12	390	220
Grove	GMK5200-1	200	1.0 @84.0	64	34	101	5	53	12	390	240
Liebherr	LTM 1200-5.1	200	1.3@80	72	36	101	5	53	12	370	240
Demag	AC 220-5	220	1.8@70	78	21	99	5	53	n/s	368	245
Tadano	ATF 220G-5	220 @ 2.5	1.31 @ 84	68	35.8	107.5	5	52	12	390	250
Liebherr	LTM 1230-5.1	230	1,5@72	75	43	110	5	53	12	400	275
Link-Belt	ATC-3275	250	3.45@62	68	35.6	100.7	5	62	n/s	421	275
Demag	AC 250-5	250	1.9@66	70	33	101.8	5	53	n/s	368	300
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
Demag	AC 300-6	300	2.2@74	80	63	116.3	6	53	n/s	430	350
Grove	GMK6300L-1	300	0.9 @94.0	80	37	120	6	53	12	430	350

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 1300-6.2	300	1.1@94	78	70	114	6	53	12	450	360
Demag	AC 350-6	350	1.9@90	64	72	125.7	6	53	n/s	450	400
Liebherr	LTM 1350-6.1	350	2@96	70	78	134	6	53	12	450	400
Grove	GMK6400	400	2.6 @96.0	60	79	136	6	53	12	405	450
Tadano	ATF 400G-6	400 @ 2.7	2.09 @ 86.1	60	78.5	125	6	52	12	460	450
Liebherr	LTM 1400-7.1	400	1.5@100	60	84	130	7	53	12	450	500
Grove	GMK7450/GMK7550	450	1.4 @104.0	60	79	136	7	53	12	420	550
Liebherr	LTM 1450-8.1	450	2.5@100	85	84	131	8	53	12	505	550
Demag	AC 500-8	500	2.2@110	56	90	145.8	8	47	n/s	480	600
Liebherr	LTM 1500-8.1	500	3.6@108	84	91	142	8	53	12	500	600
Demag	AC 700-9	700	3.8@110	60	96	149.5	9	47	n/s	460	800
Liebherr	LTM 1750-9.1	750	4.3@112	52	91	154	9	53	12	505	900
Demag	AC 1000-9	1200	2.7@130	100	126	163.3	9	53	n/s	480	1320
Liebherr	LTM 11200-9.1	1,200 @ 2.5	1.9@136	100	126	188	9	47	12	500	1,500

ROUGH TERRAINS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
Broderson	RT-400	20	3600 lbs @ 68 ft			98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	45m (146 ft)	2	25	122	30
Grove	RT540E	35@2.5	0.67 @ 36.0	31	13.7	47m (154 ft)	2	25	122	40
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	51.8m (170 ft)	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	59.7m (196 ft)	2	18.8	122	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	65.2m (214 ft)	2	23	194	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	67.3m (221 ft)	2	23	194	70
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	68m (223 ft)	2	15	205	80
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	73m (239.5 ft)	2	15	205	100
Grove	RT9130E-2	120	0.77 @ 56.0	48.6	34	85m (279 ft)	2	15	239	130
Grove	GRT9165	150@2.5	0.53 @ 73.0	62.5	25.8	91.1m (299 ft)	3	15	224	165
Liebherr	LRT 1090-2.1	90	0,9@50	47	19	66	2	15.5	194	100
Liebherr	LRT 1100-2.1	100	0,6@54	50	19	69	2	15.5	194	110
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	145	50
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Link-Belt	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Link-Belt	RTC-8090 Series II	80@2.5	1.9@40	42.7	27.4	69.8	2	18.2	201	90
Link-Belt	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Link-Belt	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Link-Belt	RTC-80130 Series II	120@2.5	2.45@46	49.3	33.3	82.1	3	17	257	130
Link-Belt	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92	3	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
Terex	RT 35-1	35	0.4@27	30.1	32.8	125	2	18.7	119	38.5
Terex	RT 90	86	0.8@42	47	50	164	2	17	168	95
Terex	RT 100US	90	0.45@52	47	50	210	2	17	168	100
Terex	RT 100	90	0.2@55	53	55.8	223	2	18.6	195	100
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Tadano	GR-750XL	68 @ 2.4	0.8 @ 38	43	17.7	198.9	2	22	201	75
Tadano	GR-1000XL	90.7 @ 2.4	0.9 @ 40	47	17.7	211.3	2	22	201	100
Tadano	GR-1200XL	110 @ 2.5	1.8 @ 56	56	17.7	241.4	2	12	201	120
Tadano	GR-1600XL	145 @ 2.5	1.8 @ 56	61	18	257.2	3	9.3	201	160
Zoomlion	RT35	35	1.23 @29	31	15	41 (135 ft)	2	24	129	40
Zoomlion	RT60	55	1.17@ 33.5	43	17	61.4	2	26	160	65
Zoomlion	ZRT850	70	1.4 @ 34	47	16	65.7	2	22	194	94

ROUGH TERRAINS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Main Boom (m)	Maximum Main Boom Extension (m)	Maximum Hook Height (feet)	Number of Axles (#)	Maximum Travel Speed (mph)	Engine Power (kW)	Capacity US Tons
Manitex	M-150	15	4,700 lbs @ 55 ft	19.05	n/s	85.5	2	26	119	15
Broderson	RT-400	20	3600 lbs @ 68 ft			98	2	24	122	20
Grove	RT530E-2	30	0.67 @ 34.0	29	13.7	45m (146 ft)	2	25	122	30
Manitex	M-300	30 ton	5,400 lbs @ 70 ft	23.47	n/s	90	2	25	119	30
Tadano	GR-350XL	31.8 @ 2.4	0.9 @ 28	31	12.8	144.3	2	31	175	35
Terex	RT 35-1	35	0.4@27	30.1	32.8	125	2	18.7	119	38.5
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 m	15	41 m/(134.5 ft)	2	24	129	40
Link-Belt	RTC-8050 Series II	50@2.5	1.40@30	33.5	15.5	48.6	2	20	145	50
Grove	GRT655	51@2.5	0.52 @ 44.0	34.8	13.7	51.8m (170 ft)	2	18.8	122	55
Grove	GRT655L	51@2.5	0.65 @ 42.0	43	13.7	59.7m (196 ft)	2	18.8	122	55
Tadano	GR-550XL	50 @ 2.4	0.75 @ 34	34.7	15.2	164.3	2	31	201	55
Grove	RT765E-2	60	0.94 @ 44.0	33.5	17.1	65.2m (214 ft)	2	23	194	65
Link-Belt	RTC-8065 Series II	60@2.5	1.55@32	35	27.4	61.9	2	23.1	201	65
Zoomlion	RT60	55	1.17@33.5	43	17	61.4 m (201.4 ft)	2	26	160	65
Grove	RT770E	65@2.5	0.53 @ 48.0	42	23.2	67.3m (221 ft)	2	23	194	70
Link-Belt	75IRT	70@2.5	.6@38	43.3	17.7	63.6	2	20.8	201	75
Tadano	GR-750XL	68 @ 2.4	0.8 @ 38	43	17.7	198.9	2	22	201	75
Grove	GRT880	80@2.5	0.69 @ 50.0	41.1	23.2	68m (223 ft)	2	15	205	80
Link-Belt	RTC-8090 Series II	80@2.5	1.9@40	42.7	27.4	69.8	2	18.2	201	90
Zoomlion	ZRT850	70	1.4 @ 34	47	16	65.7 m (215.6 ft)	2	22	194	94
Terex	RT 90	86	0.8@42	47	50	164	2	17	168	95
Grove	GRT8100	100@2	0.53 @ 52.0	47	23.2	73m (239.5 ft)	2	15	205	100
Liebherr	LRT 1090-2.1	90	0,9@50	47	19	66	2	15.5	194	100
Link-Belt	100IRT	90@2.1	.9@44	47.2	22.6	72.2	2	15 (full CTWT)	173	100
Tadano	GR-1000XL	90.7 @ 2.4	0.9 @ 40	47	17.7	211.3	2	22	201	100
Terex	RT 100US	90	0.45@52	47	50	210	2	17	168	100
Terex	RT 100	90	0.2@55	53	55.8	223	2	18.6	195	100
Liebherr	LRT 1100-2.1	100	0,6@54	50	19	69	2	15.5	194	110
Link-Belt	120IRT	110@2.1	1@44	50	27.4	79.8	2	15 (full CTWT)	173	120
Tadano	GR-1200XL	110 @ 2.5	1.8 @ 56	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	3	17	257	130
Link-Belt	RTC-80160 Series II	145@2.1	1.4@56	59.5	33.3	92	3	15	257	160
Tadano	GR-1600XL	145 @ 2.5	1.8 @ 56	61	18	257.2	3	9.3	201	160
Grove	GRT9165	150@2.5	0.53 @ 73.0	62.5	25.8	91.1m (299 ft)	3	15	224	165

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

TRUCK CRANES BY CAPACITY

Manufacturer	Model	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)	Engine Power (kW)	Capacity US tons
Grove	TMS500-2	40 @ 2.2	.6 @38	29	13.7	39.1	3	65	261	40
Grove	TMS500-2	40 @ 2.2	.6@36	31	13.7	42	3	65	261	40
Load King	340-94	36.3	.95@26	28.7	14.9	44.8	3	60	224	40
Load King	340-105	36.3	.55@30	32	14.9	48.2	3	60	224	40
Liebherr	LTF 1045-4.1	45@2.5	0.8@42	35	9.5	44	4	n/s	n/s	55
Grove	TMS700E	55	.5@46	33.5	29.3	64.6	4	65	336	60
Link-Belt	HTC-8660 Series II	45.36	1.2@30	33.5	15.5	46.4	4	60.69	276	60
Load King	460-110	54	1.25@32	33.5	17.4	52	4	65	335	60
Liebherr	LTF 1060-4.1	60@2.5	0.7@48	40	16	56	4	n/s	n/s	70
Link-Belt	HTC/HTT-8675 Series II	64.25	1.45@36	38.7	29.26	65.17	4	62.9	336	75
Grove	TMS800E	70	.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

BOOM TRUCKS BY MANUFACTURER

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Altec	AC26-103B	159	103	44	A-type	26
Altec	AC26-103B	159	103	44	Out-and-Down	26
Altec	AC26-103R	159	103	44	A-type	26
Altec	AC26-103S	156	103	44	Out-and-Down	26
Altec	AC28-103B	159	103	44	A-type	28
Altec	AC28-103B	159	103	44	Out-and-Down	28
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-101B	109	101	44	Out-and-Down	30
Altec	AC30-103S	156	103	44	Out-and-Down	30
Altec	AC38-103S	167	103	55	Out-and-Down	38
Altec	AC38-103S-XHL	167	103	55	Out-and-Down	38
Altec	AC38-127S	189	127	55	Out-and-Down	38
Altec	AC38-127S-HL	189	127	55	Out-and-Down	38
Altec	AC38-127S-L	136	127	n/s	Out-and-Down	38
Altec	AC40-152S	207	152	49	Out-and-Down	40
Altec	AC45-127S	189	127	55	Out-and-Down	45
Elliott Equipment Company	1039	49	39	NA	A-Frame	10
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Elliott Equipment Company	1560	90	60	20	A-Frame	15
Elliott Equipment Company	1838	48	38	NA	A-Frame	18
Elliott Equipment Company	1860	90	60	20	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
Elliott Equipment Company	2651TM	63	51	NA	A-Frame	26
Elliott Equipment Company	2673	85	73	NA	A-Frame	26
Elliott Equipment Company	2695	152	95	26 or 45	A-Frame	26

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	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	40127	192	127	26 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Elliott Equipment Company	45105	170	105	32 or 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
Elliott Equipment Company	50105	164	105	32 or 49	Out-and-Down	50
Load King	10-47	87	47	18-30	A Link-Type	10
Load King	19-51 TM	90	51	18 - 29	A Link-Type	19
Load King	19-70	120	70	24 - 40	A Link-Type	19
Load King	25-92	144	92	26 - 44	H-type	25
Load King	28-106	162	106	30 - 47	K-pattern	28
Load King	35-100	163	100	30.5 - 55	H-type	35
Load King	35-100 RS	163	100	30.5 - 55	H-type	35
Load King	45-129	183	129	32 - 49	X-pattern	45
Load King	60-110	170	110	33 - 57	X-pattern	60
Load King	80-126	190	126	33 - 57	X-pattern	80
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link	17
Manitex	1970C	121	27 - 70	23.6 or 40.6	A-link	19
Manitex	2085T	95	18.9 -85	N/A	Out-and-Down	20
Manitex	2250C/T	96	20 - 50	20 or 34	A-Link	22
Manitex	2262C/T	115	24 - 62	24 or 42	A-Link	22
Manitex	2277C	140	29 - 77	29 or 52	A-link	22
Manitex	2281C	133	24 - 81	24 or 41	A-link	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	26
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
Manitex	30112S	168	33 - 112	26 or 46	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	A-Link and Out-and-Down	30
Manitex	3051T	62	51	NA	A-LINK and Out-and-Down	30
Manitex	3577C	91	30 - 77	n/s	Out-and-Down	35
Manitex	35100C	167	31 - 100	31.6 or 55	Out-and-Down	35
Manitex	35124C	166	31 - 124	31	Out-and-Down	35
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
Manitex	TC450-127	190	31-127	31-55	Out-and-Down	45
Manitex	TC450-142	205	34-142	31-55	Out-and-Down	45
Manitex	4596T	152	31 - 96	32 or 49	Out-and-Down	45
Manitex	45110T	167.5	110	32-49 ft	Out-and-Down	45
Manitex	TC500-96	152	31 - 96	32 or 49	Out-and-Down	50

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	TC500-110	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39	Out-and-Down	50
Manitex	TC500-128	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5096S	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	50110S	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50110SHL	164	34 - 110	32 or 49"	Out-and-Down	50
Manitex	50155S	203	38.5 - 155	39	Out-and-Down	50
Manitex	50155SHL	203	38.5 - 155	39	Out-and-Down	50
Manitex	50128S	185	38.5 -185	32 or 39	Out-and-Down	50
Manitex	50128SHL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5060S	72.5	60	NA	Out-and-Down	50
Manitex	TC600	194	131	30 - 50	Out-and-Down	60
Manitex	TC700	185	115	31-51	Out-and-Down	70
National Crane	400B	66	56	n/s	A-type	10
National Crane	500 E2	121	71	41	A-type	18
National Crane	600 E2	121	90	45	A-type	20
National Crane	600H	99	90	45	HO-type	20
National Crane	800D	152	100	44	A-type	23
National Crane	900A	155	103	44	A-type	26
National Crane	NBT30H-2	119	110	44	HO-type	30
National Crane	1300A	163	110	44	HO-type	30
National Crane	1400H	165	127	30	HO-type	33
National Crane	1400A	172	127	30	HO-type	33
National Crane	NBT 36-1	190	127	55	HO-type	36
National Crane	NBT 40-1	190	142	55	HO-type	40
National Crane	NBT 45-1	206	161	55	HO-type	45
National Crane	NBT 50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
National Crane	NBT 60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60
QMC	5370R	73.8	70	n/s	Out-and-Down	22
QMC	5555S	58.8	55	n/s	Out-and-Down	23
QMC	5555R	58.8	55	n/s	Out-and-Down	23
QMC	4033R	37.4	33	n/s	Out-and-Down	25
QMC	4037R	41.3	37	n/s	Out-and-Down	25
QMC	5037R	34.9	37	n/s	Out-and-Down	29
QMC	5034R	32.2	34	n/s	Out-and-Down	29
QMC	7256R	60.2	56	n/s	Out-and-Down	30
QMC	6070C	73.8	70	30 Fly	Out-and-Down	33
QMC	8470S	73.8	70	30 Fly	Out-and-Down	33
QMC	6082TD	83.9	82	n/s	Out-and-Down	34
QMC	70100TD	95.5	100	n/s	Out-and-Down	35
QMC	7060RSX	56.9	60	n/s	Out-and-Down	36
QMC	8060R	57.1	60	n/s	Out-and-Down	40
QMC	80101S	97	101	n/s	Out-and-Down	40

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Elliott Equipment Company	1039	49	39	NA	A-Frame	10
Elliott Equipment Company	1047	57	47	NA	A-Frame	10
Elliott Equipment Company	1056	96	56	18 or 30	A-Frame	10
Load King	10-47	87	47	18-30	A Link-Type	10
National Crane	400B	66	56	n/s	A-type	10
Elliott Equipment Company	1560	90	60	20	A-Frame	15
Manitex	1770C	121	27 - 70	23.6 or 40.6	A-Link	17
Altec	AC18-70B	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	A-type	18
Altec	AC18-70B-HL	121	70	40	Out-and-Down	18
Altec	AC18-70R-HL	121	70	40	A-type	18
Altec	AC18-70R-HL	121	70	40	Out-and-Down	18
Elliott Equipment Company	1838	48	38	NA	A-Frame	18
Elliott Equipment Company	1860	90	60	20	A-Frame	18
Elliott Equipment Company	1870	120	70	23 or 40	A-Frame	18
Elliott Equipment Company	1870CP	120	70	23 or 40	Out-and-Down	18
Elliott Equipment Company	1881TM	91	81	NA	Out-and-Down	18
Elliott Equipment Company	18125	137	125	NA	Out-and-Down	18
National Crane	500 E2	121	71	41	A-type	18
Load King	19-51 TM	90	51	18 - 29	A Link-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	19
Manitex	2085T	95	18.9 -85	N/A	Out-and-Down	20
National Crane	600 E2	121	90	45	A-type	20
National Crane	600H	99	90	45	HO-type	20
Manitex	2250C/T	96	20 - 50	20 or 34	A-Link	22
Manitex	2262C/T	115	24 - 62	24 or 42	A-Link	22
Manitex	2277C	140	29 - 77	29 or 52	A-link	22
Manitex	2281C	133	24 - 81	24 or 41	A-link	22
Manitex	2277S	138	29 - 77	29 or 52	Out-and-Down	22
Manitex	22101S tandem axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
Manitex	22101S single axle	140	29 - 101.4	29.5 or 52	Out-and-Down	22
QMC	5370R	73.8	70	n/s	Out-and-Down	22
National Crane	800D	152	100	44	A-type	23
QMC	5555S	58.8	55	n/s	Out-and-Down	23
QMC	5555R	58.8	55	n/s	Out-and-Down	23
Altec	AC23-95B	150	95	44	Out-and-Down	23.5
Altec	AC23-95R	150	95	44	Out-and-Down	23.5
Altec	AC23-95S	150	95	44	Out-and-Down	23.5
Load King	25-92	144	92	26 - 44	H-type	25
Manitex	124WL	135	37 - 124	n/s	A-Link and Out-and-Down	25
QMC	4033R	37.4	33	n/s	Out-and-Down	25
QMC	4037R	41.3	37	n/s	Out-and-Down	25
Altec	AC26-103B	159	103	44	A-type	26
Altec	AC26-103B	159	103	44	Out-and-Down	26
Altec	AC26-103R	159	103	44	A-type	26
Altec	AC26-103S	156	103	44	Out-and-Down	26
Elliott Equipment Company	2651TM	63	51	NA	A-Frame	26
Elliott Equipment Company	2673	85	73	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	26
National Crane	900A	155	103	44	A-type	26
Altec	AC28-103B	159	103	44	A-type	28
Altec	AC28-103B	159	103	44	Out-and-Down	28
Load King	28-106	162	106	30 - 47	K-pattern	28
Manitex	2892C	149	28 - 92	26 or 46	A-Link and Out-and-Down	28
QMC	5037R	34.9	37	n/s	Out-and-Down	29
QMC	5034R	32.2	34	n/s	Out-and-Down	29

BOOM TRUCKS BY CAPACITY

Manufacturer	Model	Max Hook Height (ft/inch)	Boom Length (ft/inch)	Jib Length (ft/inch)	Outrigger Type	Max Lift Capacity (US tons)
Altec	AC30-53T	63	53	NA	Out-and-Down	30
Altec	AC30-101B	109	101	44	Out-and-Down	30
Altec	AC30-103S	156	103	44	Out-and-Down	30
Elliott Equipment Company	3095	148	95	24 or 41	Out-and-Down	30
Elliott Equipment Company	30105	162	105	26 or 45	Out-and-Down	30
Manitex	30112S	168	33 - 112	26 or 46	Out-and-Down	30
Manitex	3071C	82	28 - 71	n/a	A-Link and Out-and-Down	30
Manitex	30102C	157	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	102WL	159	31 - 102	26 or 46	A-Link and Out-and-Down	30
Manitex	30100C	110.6	100	26-46	A-Link and Out-and-Down	30
Manitex	3051T	62	51	NA	A-LINK and Out-and-Down	30
National Crane	NBT30H-2	119	110	44	HO-type	30
National Crane	1300A	163	110	44	HO-type	30
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	35-100 RS	163	100	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
National Crane	NBT 36-1	190	127	55	HO-type	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	AC40-152S	207	152	49	Out-and-Down	40
Elliott Equipment Company	40105	170	105	32 or 55	Out-and-Down	40
Elliott Equipment Company	40127	192	127	26 or 55	Out-and-Down	40
Elliott Equipment Company	40142	207	142	26 or 55	Out-and-Down	40
Manitex	4077S	87	31 - 77	n/a	Out-and-Down	40
Manitex	4077SHL	87	31 - 77	n/a	Out-and-Down	40
Manitex	40100S	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40100SHL	165	31 - 100	31 or 55	Out-and-Down	40
Manitex	40124S	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	40124SHL	187	31 - 124	31 or 55	Out-and-Down	40
Manitex	TC400-127	190	31-127	31-55	Out-and-Down	40
Manitex	TC400-142	205	34-142	31-55	Out-and-Down	40
National Crane	NBT 40-1	190	142	55	HO-type	40
QMC	8060R	57.1	60	n/s	Out-and-Down	40
QMC	80101S	97	101	n/s	Out-and-Down	40
Altec	AC45-127S	189	127	55	Out-and-Down	45
Elliott Equipment Company	45105	170	105	32 or 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
Load King	45-129	183	129	32 - 49	X-pattern	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

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	45110T	167.5	110	32-49 ft	Out-and-Down	45
National Crane	NBT 45-1	206	161	55	HO-type	45
Elliott Equipment Company	50105	164	105	32 or 49	Out-and-Down	50
Manitex	TC500-96	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	TC500-110	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-110HL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	TC500-155	203	38.5 - 155	39"	Out-and-Down	50
Manitex	TC500-155HL	203	38.5 - 155	39"	Out-and-Down	50
Manitex	TC500-128	185	38.5 -185	32 or 39	Out-and-Down	50
Manitex	TC500-128HL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5096S	152	31 - 96	32 or 49	Out-and-Down	50
Manitex	50110S	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50110SHL	164	34 - 110	32 or 49	Out-and-Down	50
Manitex	50155S	203	38.5 - 155	39	Out-and-Down	50
Manitex	50155SHL	203	38.5 - 155	39	Out-and-Down	50
Manitex	50128S	185	38.5 -185	32 or 39	Out-and-Down	50
Manitex	50128SHL	185	38.5 - 185	32 or 39	Out-and-Down	50
Manitex	5060S	72.5	60	NA	Out-and-Down	50
National Crane	NBT 50	179	128	45	X-type	50
National Crane	NBT50L	202	151	45	X-type	50
National Crane	NBT55	179	128	45	X-type	55
National Crane	NBT55L	202	151	45	X-type	55
National Crane	NTC55	179	128	45	X-type	55
National Crane	NTC55L	202	151	45	X-type	55
Load King	60-110	170	110	33 - 57	X-pattern	60
Manitex	TC600	194	131	30 - 50	Out-and-Down	60
National Crane	NBT 60	179	128	NA	X-type	60
National Crane	NBT60L	202	151	45	X-type	60
Manitex	TC700	185	115	31-51	Out-and-Down	70
Load King	80-126	190	126	33 - 57	X-pattern	80

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Demag	CC 2800-2	600	9.3@156	192	24/192	96	20	660
Demag	CC 2800-1	600	4@142	192	24 / 180	102	20	660
Demag	CC 3800-1	650	4.1@161	192	24 / 192	96	20	715
Demag	PC 3800-1	650	6.3@160	192	24 / 192	96	on outriggers	715
Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1,375
Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1,760
Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	117	13.33	3,525
Kobelco	CK800G-2	72.4 @3.7	1.2 @ 52	70	15.2/61.0	18	28.7	80
Kobelco	CK850G-2	77 @3.0	1.2 @ 52	70	12.2/61.0	18	28.7	85
Kobelco	CK1100G-2	100 @3.3	1.6 @ 52	74	12.2/61.0	18	28.7	110
Kobelco	CK1200G-2	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Kobelco	CK1600G-2	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Kobelco	CK2000II	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Kobelco	CK2750G-2	250 @4.6	2.5 @ 86.0	121	15.2/91.7	61	16.7	275
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100

CRAWLER CRANES BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
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 HD Duty Cycle	44	1.2@36	45	18,568	50	30.8	48
Liebherr	HS 8050 HD Duty Cycle	50	1.2@50	47	18,568	50	1.15	55
Liebherr	HS 8070 HD Duty Cycle	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 HD Duty Cycle	90	1@52	60	14/68	62	22.33	110
Liebherr	LR1110	115	2.4@65	105.9	14/104.8	71	22.5	127
Liebherr	HS 8130 HD Duty Cycle	120	0.5@50	72	14/53	74	21.66	150
Liebherr	LR 1130	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Liebherr	LR 1160	160@3.9m	2.8@85.0	129	20.0/87.5	104.9	25	200
Liebherr	LR 1200	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	220
Liebherr	HS 895 HD Duty Cycle	200	2.7@72	82	20/84	84	23.33	220
Liebherr	HS 8200	200@4.8	2.6@67		20/68		21.7	220
Liebherr	LR 1250	250@4.1m	2.3@95	142	20.0/86.0	117	26.6	275
Liebherr	LR 1300 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	330
Liebherr	HS 8300 HD Duty Cycle	300	2.9@60	72	20/68	68	25	330
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	27.5	550
Liebherr	LR 1600/2	600@11m	6.2@152	187	24/144	96	22.7	660
Liebherr	LR 1600/2-W	600@11m	23@144	166	24/144	36	22.7	660
Liebherr	LR 1750/2	750@7m	2.6@156	191	21/140	105	27.5	825
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880
Liebherr	LR 11000	1000@11m	6.1@180	224	18/156	114	22.7	1,200
Liebherr	LR 11350	1350@12m	30.6@140	196	30/150	114	18	1,500
Liebherr	LR 13000	3000@12	29@200	245	60/144	126	n/s	3,300
Link-Belt	138 HSL	73	0.7@57.9	58.5	12.2/61	18.3	32.2	80
Link-Belt	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Link-Belt	238 HSL	136	1.4@70.1	93.9	15.2/79.3	24.4	26.8	150
Link-Belt	248 HSL	181	1.1@76.2	105.7	16.7/86.6	30.5	23.3	200
Link-Belt	298 Series 2	208.6	1.5@86.4	110.7	18.3/88.3	27.4	26.6	230
Link-Belt	348 Series 2	272.2	1.1@82.3	132.6	21.3/108.2	42.7	26.6	300
Manitowoc	MLC80A-1	72.5	1.9 @ 50	62.3	19/61	18.3	45.6	80
Manitowoc	MLC90A-1	79.3	1.9 @ 50	62.3	19/61	18.3	45.6	90
Manitowoc	MLC100A-1	90.6	1.9 @ 50	62.3	16/61	18.3	45.6	100
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	24.4	51.7	181
Manitowoc	14000	200	3.2 @ 84	57.8	20/89	21.3	30	220
Manitowoc	999	250	2.2 @ 88	94.4	21/88	15.2	26.8	275
Manitowoc	2250	272	2.7 @ 100	91.4	21/101	12.2	26.8	300
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
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	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Liebherr	HS 8030 HD Duty Cycle	30	2.2@16	21	22	24	30	35
Liebherr	HS 8040 HD Duty Cycle	44	1.2@36	45	18,568	50	30.8	48
Liebherr	HS 8050 HD Duty Cycle	50	1.2@50	47	18,568	50	1.15	55
Liebherr	HS 8070 HD Duty Cycle	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 HD Duty Cycle	90	1@52	60	14/68	62	22.33	110
Link-Belt	218 HSL	100	1.2@61	67.7	12.19/70.1	22.9	32.2	110
Manitowoc	MLC100-1	100	1.9 @ 50	62.3	13/61	18.3	45.6	110
Zoomlion	ZCC1100	100@3.2	1.2@55	67	13/67	18	21	110
Kobelco	CK1200G-2	109 @3.6	1.6 @ 56.5	92	15.2/70.1	52	23.3	120
Liebherr	LR1110	115	2.4@65	105.9	14/104.8	71	22.5	127
Link-Belt	228 HSL	117.9	1.4@61	85.7	13.72/71.65	22.9	32.2	130
Liebherr	HS 8130 HD Duty Cycle	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
Liebherr	LR 1130	137.2@3.4m	2.2@80	120	17.0/80.0	92.6	35	151
Kobelco	CK1600G-2	145 @4.6	1.9 @ 75.0	99	15.2/76.5	53	21.7	160
Manitowoc	MLC165-1	165	1.7 @ 62	51.8	15/84	24.4	51.7	181
Kobelco	CK2000II	181 @3.7	2.0 @ 84.0	105	15.2/85.6	52	18.3	200
Liebherr	LR 1160	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	220@4.1m	2.3@95	142	20.0/89.0	117	26.6	220
Liebherr	HS 895 HD Duty Cycle	200	2.7@72	82	20/84	84	23.33	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	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
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
Manitowoc	2250	272	2.7 @ 100	91.4	21/101	12.2	26.8	300
Kobelco	CK3300G-2	300 @5.5	2.7 @ 92.0	122	24.0/90.2	66	16.6	330
Liebherr	LR 1300 SX	300.5@4.3m	3.3@105	164	20.0/92.0	123.13	21.6	330
Liebherr	HS 8300 HD Duty Cycle	300	2.9@60	72	20/68	68	25	330
Manitowoc	MLC300	300	5.2 @ 80	102	30/102	30	21.7	330
Lampson	LTL-350	317	3.9 @ 88.4	103.9	42.6/103.6	42.6	26.8	350
Kobelco	CK3300G-2 (SHL)	350 @8.0	8.7 @ 101.0	171	30.0/102.0	90	16.6	385
Liebherr	LR 1350/1	350@6m	11.8@110	152	18/120	90	27	400
Demag	CC 2400-1	400	5.5@142	162	24 / 168	84	33.33	440
Manitowoc	16000	400	9 @ 88	84	30/96	24	20.7	440
Lampson	LTL-500	453	15.4 @ 76.2	86.1	42.6/85.3	42.6	26.8	500
Liebherr	LR 1500	500@11m	3.3@144	164	36/114	84	27.5	550
Demag	CC 2800-2	600	9.3@156	192	24/192	96	20	660
Demag	CC 2800-1	600	4@142	192	24 / 180	102	20	660
Liebherr	LR 1600/2	600@11m	6.2@152	187	24/144	96	22.7	660
Liebherr	LR 1600/2-W	600@11m	23@144	166	24/144	36	22.7	660
Demag	CC 3800-1	650	4.1@161	192	24 / 192	96	20	715
Demag	PC 3800-1	650	6.3@160	192	24 / 192	96	on outriggers	715
Manitowoc	MLC650	650	8.8 @ 82	101	32/104	26	21.7	716
Liebherr	LR 1750/2	750@7m	2.6@156	191	21/140	105	27.5	825
Lampson	LTL-850	798	8.2 @ 120.4	122.2	48.7/121.9	60.9	26.8	850

CRAWLER CRANES BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880
Liebherr	LR 1800-1.0	800@9m	@152	200	36/180	102	22.7	880
Lampson	LTL-1000	907	49.4 @ 121.9	122.2	48.7/121.9	60.9	26.8	1,000
Lampson	LTL-1100	997	70.3 @ 121.9	122.2	48.7/121.9	73.1	26.8	1,100
Liebherr	LR 11000	1000@11m	6.1@180	224	18/156	114	22.7	1,200
Demag	CC 6800-1	1250	5.4@170	202	30 / 210	114	18.33	1,375
Lampson	LTL-1200	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Lampson	LTL-1500	1430	10 @ 140.2	142.3	67.0/140.2	73.1	26.8	1,500
Liebherr	LR 11350	1350@12m	30.6@140	196	30/150	114	18	1,500
Demag	CC 8800-1	1600	14.0@174	208	48 / 216	108	13.33	1,760
Manitowoc	31000	2300	48 @ 150	42	55/110	24	10	2,535
Lampson	LTL-2600	2358	208 @ 140.2	142.3	67.0/140.2	73.1	26.8	2600
Lampson	LTL-3000	2721	279 @ 140.2	142.3	67.0/140.2	73.1	26.8	3000
Liebherr	LR 13000	3000@12	29@200	245	60/144	126	n/s	3,300
Demag	CC 8800-1 TWIN	3200	123@129	222	54 / 234	117	13.33	3,525

TELESCOPIC CRAWLERS BY MANUFACTURER

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Grove	GHC30	30@2.5m	0.8 @ 30	40.2	10/25.2	13	50	30
Grove	GHC75	70@2m	0.7 @ 44	52.7	11.0/36	15	45	75
Grove	GHC140	127	1.1 @ 64	70	12.3/52.2	15	41.5	140
Grove	GHC50	45	0.8 @ 36	45.4	9.4/30.4	13	41.5	50
Grove	GHC55	50@2m	0.8 @ 36	45.4	9.4/30.4	13	41.5	55
Grove	GHC130	120@2.5m	1.0 @ 62	70	12.6/40.2	27	41.5	132
Liebherr	LTR 1060	60	1.6@36	54	10.2/40.0	16	50	65
Liebherr	LTR 1220	220	4.1@56	101	13.3/60.0	36	41.6	250
Liebherr	LTR 1100	100	1.5@48	83	11.5/52.0	19	46.6	110
Link-Belt	TCC-500	51	0.6@44	50.44	10.8/33.8	15.6	53.3	50
Link-Belt	TCC-750	70	1.9@32	53.3	11.8/35.2	17.7	33.3	50
Link-Belt	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	110
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Manitex Valla	90 TRX	9 t	4,138 lbs @ 18 ft	28 ft	n/s	n/s	53.3	9.9
Tadano Mantis	GTC-350	35	0.3 @ 38	38.9	10.9/27.2	12.8	64.3	35
Tadano Mantis	GTC-500	50	0.3 @ 42	49.1	11.0/34.7	15.2	48.3	50
Tadano Mantis	GTC-600	60	0.4 @ 45	53.7	11.5/36	17.7	61.7	66
Tadano Mantis	GTC-800	80	1.0 @ 50	60.4	11.5/43	17.7	56.3	88
Tadano Mantis	GTC-1200	120	1.3 @ 59.4	79	12.8/47.2	32	37.6	130

TELESCOPIC CRAWLERS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Manitex Valla	20 TRX	2 t	880 lbs @ 9 ft	14.5 ft	1.6 & 4	n/s	53.3	2.2
Manitex Valla	90 TRX	9 t	4,138 lbs @ 18 ft	28 ft	n/s	n/s	53.3	9.9
Grove	GHC30	30@2.5m	0.8 @ 30	40.2	10/25.2	13	50	30
Tadano Mantis	GTC-350	35	0.3 @ 38	38.9	10.9/27.2	12.8	64.3	35
Grove	GHC50	45	0.8 @ 36	45.4	9.4/30.4	13	41.5	50
Link-Belt	TCC-500	51	0.6@44	50.44	10.8/33.8	15.6	53.3	50
Link-Belt	TCC-750	70	1.9@32	53.3	11.8/35.2	17.7	33.3	50
Tadano Mantis	GTC-500	50	0.3 @ 42	49.1	11.0/34.7	15.2	48.3	50
Grove	GHC55	50@2m	0.8 @ 36	45.4	9.4/30.4	13	41.5	55

TELESCOPIC CRAWLERS BY CAPACITY

Manufacturer	Model	Maximum Load @ 3m (t)	Load at Maximum Radius (t@m)	Maximum Hook Height (m)	Boom Length Minimum/ Maximum (m/m)	Maximum Main Boom Extension (m)	Maximum Travel Speed (m/min)	Capacity US Tons
Liebherr	LTR 1060	60	1.6@36	54	10.2/40.0	16	50	65
Tadano Mantis	GTC-600	60	0.4 @ 45	53.7	11.5/36	17.7	61.7	66
Grove	GHC75	70@2m	0.7 @ 44	52.7	11.0/36	15	45	75
Tadano Mantis	GTC-800	80	1.0 @ 50	60.4	11.5/43	17.7	56.3	88
Liebherr	LTR 1100	100	1.5@48	83	11.5/52.0	19	46.6	110
Link-Belt	TCC-1200	110	10.2@140	64.3	12.2/45.7	16.8	53.3	110
Tadano Mantis	GTC-1200	120	1.3 @ 59.4	79	12.8/47.2	32	37.6	130
Grove	GHC130	120@2.5m	1.0 @ 62	70	12.6/40.2	27	41.5	132
Grove	GHC140	127	1.1 @ 64	70	12.3/52.2	15	41.5	140
Link-Belt	TCC-1400	127@2.4	.5@62	78.5	12.9/59.5	16.8	53.3	140
Liebherr	LTR 1220	220	4.1@56	101	13.3/60.0	36	41.6	250
Link-Belt	TCC-2500	230	1.1@83.8	105.4	13.3/68	35.7	42.9	250

MEGA CRANES BY MANUFACTURER

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

MEGA CRANES BY CAPACITY

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

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? 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	M1280D	150	150@17.4	12.1@81	n/s	36/83	110	n/s	72	85
Favelle Favco	M2480D	330	330@14.4	20.6@91	n/s	27/93	95	n/s	76	85
Jaso	J80PA	5	5.0@18.3	1.3@40	246	25.5	100	16	75.3	n/s
Jaso	J118HPA (Hydraulic luffing crane)	6	6.0@25.1	1.6@45	452	30	80	14	68	n/s
Jaso	J168HPA (Hydraulic luffing crane)	6	6.0@30.0	2.5@50	434	30	80	14	70.1	n/s
Jaso	J80PA.RC	8	8.0@14.2	2.75@30.5	800	25.5	76	19	na	n/s
Jaso	J138PA	8	8.0@22.4	2.25@45.0	416	30	140	15	66.3	n/s
Jaso	J180PA.A	12	12.0@23.5	3.0@50	364	30	120	15	67.3	n/s
Jaso	J88PA.RC	16	16.0@7.6	2.75@30.5	800	20.5	76	10	na	n/s
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jaso	J438PA	32	32@20.8	3.0@65	874	30	181	18	74.3	n/s
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Jaso	J780PA.64	64	64@18.9	6,0@70	830	30	188	11	86.1	n/s
Jaso	J780PA	75	75@16.8	5.7@70	1007	30	310	8	86.1	n/s
Jost Cranes	JTL 68.4	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

LUFFING JIB BY MANUFACTURER

Manufacturer	Model	Max lifting capacity	Max load up to? radius (t@m)	Max load @max radius	Max. Hook Height (m)	Min jib length (m)	Max Hoist speed (m/min)	Min Hoist Speed	Max free standing height (m)	Max jib angle (°)
Jost Cranes	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	85.2	n/s
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	303	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@29,4	4.8@65.0	1290	30 to 65	303	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	193	0	70.6	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	193	0	64.8	n/s
Liebherr	710 HC-L 32/64 Litronic	64	64@16.4	7.2@65.0	1067	30 to 65	176	0	74.8	n/s
Potain	MR 90 C	8	8@18.1	1.6@45	n/s	30	118	n/s	57.8	87
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
Potain	MR 160 C	10	10@22	2.4@50	n/s	30	215	n/s	57.5	86
Potain	MR 225 A	14	14@18.8	2.15@55	n/s	30	198.5	n/s	55.9	86
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	245	n/s	63.7	86
Potain	MR 418	24	24@20	5@60	n/s	30	254	n/s	82.7	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	63.7	86
Potain	MR 608	32	32@22.6	9@60	n/s	30	204	n/s	77.8	86
Potain	MR 618	32	32@22.2	8.25@60	n/s	30	216	n/s	74.4	85
Potain	MR 295 H16	16 t	16 @ 23.4	2.8 @ 60	n/s	30	248	n/s	63.7	86
Saez	SLH 70.4	4	4 @ 24	1.5@ 40	270	25	79	5	89.8	85
Saez	SLH 110	6	6 @ 15	2@ 45	350	20	124	7	89.8	85
Saez	SLH 205	10	10 @ 10	2.6@ 55	330	25	120	21	86.6	85
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84..4	85
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
Terex	CTL 140-10	10	10@18.3	1.7	425	30/50	120	0	50.35	85
Terex	CTLH-192-12	12	12@23.15	2.25@55	560	25/55	252	0	84.4	86.1
Terex	CDK 100-16	16	16@9.56	3.2	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2	425	30/55	145	0	72.4	85
Terex	CTL 260-18	18	18@18.7	3.1	470	30/55	130	0	72.4	85
Terex	CTL 282-18	18	18@18	2.6	470	30/60	130	0	72.4	85
Terex	CTL 340-24	24	24@15.8	4	515	35/60	130	0	66.4	85
Terex	CTL 430-24	24	24@21.3	5.5	515	35/60	160	0	66.4	85
Terex	CTL 630B-32	32	32@23.2	6.7	495	35/65	202	0	76	85
Terex	CTL 650F-45	45	45@15.5	7	910	35/65	277	0	76	85
Terex	CTL 1600-66	66	66@27.6	16	960	40/75	185	0	89	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 (°)
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 100 B	6	6.0@24.0	2.0@45.0	380	30/45	120	30	125.6	84
Wolffkran	WOLFF 166 B (North American only)	12	12@23	2.0@55	500	25/55	174	25	125.6	86
Wolffkran	WOLFF 275 B (North American only)	24	24@17.6	2.6@60.0	700	30/60	222	16	111.1	83
Wolffkran	WOLFF 355 B (North American only)	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 (North American only)	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
Wolffkran	WOLFF 1250 B (North American only)	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 68.4	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 100 B	6	6.0@24.0	2.0@45.0	380	30/45	120	30	125.6	84
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	MR 90 C	8	8@18.1	1.6@45	n/s	30	118	n/s	57.8	87
Potain	MRH 125	8	8 @ 22	2@50	n/s	30	118	n/s	57.9	87
ENG	EDL120	10	10.0@23.7	2.34@50.4	208	18	131	5	58.7	87
Jost Cranes	JTL 168.10	10	10t @ 17.3m	2.3t @ 50m	n/s	27.3	158	20	100	87
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	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

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 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	2.25@55	560	25/55	252	0	84.4	86.1
Wilbert	WT 205L e.tronic	12	12@25	2@60	640	25	275	n/s	113	87
Wolffkran	WOLFF 166 B (North American only)	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	85.2	n/s
Terex	CDK 100-16	16	16@9.56	3.2	n/s	16.5/30.3	59	0	n/s	n/s
Terex	CTL 180-16	16	16@17.7	2	425	30/55	145	0	72.4	85
Comansa	LCL 190 18t	18	18 @ 15	1.5 @ 60	640	30 to 60	224	0	63.1	87
Comansa	LCL 280 18t	18	18 @ 25	2.9 @ 60	640	30 to 60	224	0	53.2	87
Comansa	LCL 310 18t	18	18 @ 20	3.5 @ 60	640	30 to 60	224	0	59	87
Jaso	J208PA	18	18.0@18.5	1.5@60	568	30	366	12	72.1	n/s
Jaso	J265PA	18	18.0@21.3	2.2@60	630	30	366	19	72.1	n/s
Jaso	J280PA.2R	18	18.0@26.2	3.0@60	818	30	220	19	74.3	n/s
Saez	SL 320	18	18@23.4	3.2@ 60	350	30	159	18	84.4	85
Terex	CTL 260-18	18	18@18.7	3.1	470	30/55	130	0	72.4	85
Terex	CTL 282-18	18	18@18	2.6	470	30/60	130	0	72.4	85
ENG	ETL 253	20	20.0@24.5	3.35@60.0	558	29	215	5	67.5	85
Jost Cranes	JL 326.20	20	20t @ 17.7m	3.9t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 366.20	20	20t @ 20.3m	4.3t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 426.20	20	20t @ 24.2m	5.5t @ 60m	n/s	30	154	16	100	87
Jost Cranes	JL 526.20	20	20t @ 29m	5.3t @ 65m	n/s	30	154	16	100	87
Potain	MR 295 H20	20	20@19.4	2.7@60	n/s	30	245	n/s	63.7	86
Comansa	LCL 280 24t	24	24 @ 15	2.6 @ 60	725	30 to 60	204	0	53.2	87
Comansa	LCL 310 24t	24	24 @ 15	3.2 @ 60	725	30 to 60	204	0	59	87
Comansa	LCL 500 24t	24	24 @ 20	4.7 @ 65	470	30 to 65	180	0	68.3	87
Jaso	J280PA.24.2R	24	24@20.9	2.7@60	828	30	218	14	72.6	n/s
Jost Cranes	JL 416.24	24	24t @ 20.3m	5.1t @ 60m	n/s	30	130	16	100	87
Jost Cranes	JL 426.24	24	24t @ 20.1m	5.3t @ 60m	n/s	30	172	15	100	87
Jost Cranes	JL 526.24	24	24t @ 24m	5.1t @ 65m	n/s	30	172	15	100	87
Jost Cranes	JL 626.24	24	24t @ 30m	7.0t @ 65m	n/s	30	172	15	100	87
Liebherr	280 HC-L 12/24 Litronic	24	24@20.2	3.2@60.0	1290	30 to 60	261	0	79.3	n/s
Liebherr	357 HC-L 12/24 Litronic	24	24@24.0	4.5@60.0	1290	30 to 60	303	0	70.6	n/s
Liebherr	542 HC-L 12/24 Litronic	24	24@29,4	4.8@65.0	1290	30 to 65	303	0	64.8	n/s
Potain	MR 418	24	24@20	5@60	n/s	30	254	n/s	82.7	86
Potain	MR 298	24	24 @ 16,8	2,4 @60	n/s	30	210	n/s	63.7	86
Saez	SL 450R	24	24@24.8	4.5@ 65	780	35	248	26	84..4	85
Terex	CTL 340-24	24	24@15.8	4	515	35/60	130	0	66.4	85
Terex	CTL 430-24	24	24@21.3	5.5	515	35/60	160	0	66.4	85
Wolffkran	WOLFF 275 B (North American only)	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

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 (°)
Wolffkran	WOLFF 355 B (North American only)	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	193	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	495	35/65	202	0	76	85
Wilbert	WT 405L e.tronic	32	32@19.9	4.7@61.5	900	12	200	n/s	160	87
Wilbert	WT 555L e.tronic	32	32@19.9	6,7@61.5	900	12	200	n/s	160	87
Jaso	J380PA	36	36@18.8	3.0@65	874	30	181	9	74.3	n/s
Jaso	J450PA	36	36@18.6	3.0@65	674	30	188	9	74.3	n/s
Liebherr	542 HC-L 18/36 Litronic	36	36@20.8	4.3@65.0	1101	30 to 65	193	0	64.8	n/s
Saez	SL 730	36	36@20	6.1@ 70	780	30	248	18	69.4	85
Wolffkran	WOLFF 630 B	42	42@18.5	5.4@70.0	990	30/70	190	33	65.2	84
Terex	CTL 650F-45	45	45@15.5	7	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 (North American only)	50	50@17.1	5.9@70.0	990	30/70	190	33	100.1	84
Wolffkran	WOLFF 1250 B (North American only)	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
Jaso	J780PA.64	64	64@18.9	6,0@70	830	30	188	11	86.1	n/s
Liebherr	710 HC-L 32/64 Litronic	64	64@16.4	7.2@65.0	1067	30 to 65	176	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	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	248	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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Comansa	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	2	75.9
Comansa	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	2	75.9
Comansa	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	2	70.9
Comansa	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	2	70.9
Comansa	5LC3510 5t	5	5 @ 7.5	1.1 @ 35	125	20 / 35	74	2.5	75.9
Comansa	5LC4010 5t	5	5 @ 10	1.1 @ 40	125	20 / 40	74	2.5	75.9
Comansa	5LC4510 5t	5	5 @ 12.5	1.1 @ 45	125	20 / 45	74	2.5	70.9
Comansa	5LC5010 5t	5	5 @ 15	1.1 @ 50	125	20 / 50	74	2.5	70.9
Comansa	11LC90 5t	5	5 @ 16.6	1.3 @ 52.5	165	30 / 52.5	76	2.5	68.5
Comansa	11LC132 5t	5	5 @ 27.5	1.3 @ 60	165	30 / 60	76	2.5	108.8
Comansa	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
Comansa	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
Comansa	11LC150 8t	8	8 @ 19.4	1.8 @ 60	580	30 / 60	310	0	103.3
Comansa	11LC160 8t	8	8 @ 20.1	1.5 @ 60	580	30 / 65	310	0	103.3
Comansa	16LC185 8t	8	8 @ 24.9	2.1 @ 65	310	30 / 65	194	0	104.8
Comansa	16LC185 10t	10	10 @ 20.2	1.9 @ 65	400	30 / 65	245	0	104.3
Comansa	16LC220 10t	10	10 @ 23.3	2.3 @ 65	400	30 / 65	245	0	104.3
Comansa	16LC260 10t	10	10 @ 30.1	2.3 @ 70	400	35 / 70	245	0	102.1
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	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	J37NS	4	4.0@11.3	1.0@37.0	189	20.0/37.0	82	3	77

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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Jaso	J42NS	5	5.0@12.6	1.1@42.0	189	20.0/42.0	82	2.5	72.6
Jaso	J47NS	5	5.0@15.1	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	150.10	10	10.0@19.4	1.6@65	534	27.5/65	80	12.5	81.5
Jaso	160.10	10	10.0@17.0	1.7@65	534	30/65	80	12.3	83.2
Jaso	J185	10	10.0@17.6	2.0@65	534	30/65	80	12.5	83.1
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	17.5	93.4
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	17.5	93.4
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4
Jaso	J360	18	18.0@24.6	4.0@60	328	30/60	145	13	90.7
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115	10	90.7
Jaso	J420	24	24.0@23.2	2.5@85	828	30/85	205	14	80
Jaso	J550	24	24.0@27.3	4.1@75	848	30/75	205	14	68.2
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	80
Jaso	J 700	24	24.0@31.9	5.5@80	436	34.5/80	185	14	86.4
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
Jaso	J 1400	64	64.0@24.3	10.5@80	456	25/80	94	9	69.3
Liebherr	71 EC-B 5 FR.tronic	5	5.00@16.9	1.00@50.0	260	20 to 50	149	0	45.7
Liebherr	85 EC-B 5 (2/4)	5	5.00@16,4	1.30@50	278	20 to 50	80	0	47.8
Liebherr	85 EC-B 5 FR.tronic	5	5.00@16,9	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	72.4
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Liebherr	220 EC-B 10	10	10.00@19.8	2.6@65	n/s	n/s to 65	230		
Liebherr	240 EC-B 10	10	10.00@20.1	2.85@65	n/s	n/s to 65	143		
Liebherr	220 EC-B 12	12	12.00@16	2.4@65	n/s	n/s to 65	192		
Liebherr	240 EC-B 12	12	12.00@16.5	2.85@65	n/S	n/s to 65	119		
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 Litronic	12							
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	325	24,4 to 78	267	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	86.5
Liebherr	550 EC-H 20 Litronic	20	20.00@37.60	4.00@81.5	520	41,5 to 81,5	191	0	84.5
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@80	520	36 to 80	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@80	520	34,5 to 80	191	0	88.4
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	40 to 81	97	0	79
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@80	334	36 to 80	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@21,6	11.00@80	334	34,5 to 80	140	0	85.5
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	40 to 81	77	0	79
Liebherr	2000 HC 60	60	60.00@34.90	19.00@80	226	48 to 80	105	0	91.8
Liebherr	3150 HC 60	60	60.00@50.70	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	60 to 96	136	0	67.6
Liebherr	1000 EC-B 100 Litronic	100	100.00@11	9.6@46,5	257	31.5 to 46.5	32	0	85.1
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	19.35@31.5	257	36.5 to 36.5	22	0	110.8
Liebherr	340 EC-B 16	16	16.00@21	2.1@78	276	24,4 to 78	192	0	94.6
Liebherr	280 EC-H 12 Litronic	16							
Liebherr	420 EC-H 16 Litronic	16	16.00@30	3.7@75	276	40 to 75	150	0	87.1
Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s	53.5

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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Potain	MDT139	6	6@24.8	1.9@55	n/s	55	163	n/s	54.7
Potain	MDT189	8	8@24.5	1.8@60m	n/s	60	121	n/s	68.6
Potain	MDT219 J8	8	8@29.2	1.95@65m	n/s	65	121	n/s	66.8
Potain	MDT219 J10	10	10@21.7	1.9@60m	n/s	65	100	n/s	66.8
Potain	MDT 249 J10	10	10@24.6	2.75@65m	n/s	65	215	n/s	43.3
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s	69
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s	66.2
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s	69
Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s	68.9
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s	70.6
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s	95.7
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	167	n/s	94
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	245.5	n/s	87.8
Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s	73.2
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	192	n/s	87.8
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	192	n/s	73.2
Potain	MD 689 M25	25	25 @ 29.3	6.7 @ 80	n/s	80	192	n/s	87.7
Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s	77.4
Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s	77.4
Potain	MD 689 M40	40	40 @ 18.5	6.0 @ 80	n/s	80	162	n/s	87.7
Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s	77.4
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	87.4
Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	124	n/s	94.2
Potain	MD 2200	64	64@35	23.5@80	n/s	80	124	n/s	104.5
Potain	MD 3200	80	80@37	38.7@70	n/s	85	160	n/s	104.5
Potain	MCT 68	3	3@20	1.1@46	n/s	46	86	n/s	51.6
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	50.5
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s	66.2
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s	43.3
Potain	MDT349 L12	12	12 @30	3.2 @75	n/s	75	220	n/s	69.2
Potain	MDT349 L16	16	16 @ 22.5	3 @ 75	n/s	75	167	n/s	69.2
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7
Saez	TLS 55-17 6T	6	6@21.2	1.92@55	190	20/55	100	8	107.7
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100
Saez	TLS 80 24T	24	24@15.2	3.2@80	330	30/80	186		93.4
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138		93.4
Terex	FC 6.24H	1.5	1.5@12.6	0.6@24	43.1	12.6/24	36	0	26
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	85.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	65.5
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	85.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	65
Terex	CTT 721-40B	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 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

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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
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 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
Wolffkran	WOLFF 4518 city	6	6@17.3	1.3@50	100	25/50	55	15	59.5
Wolffkran	WOLFF 5014	6	6@17.8	1.4@50	190	25/50	108	24	n/s
Wolffkran	WOLFF 5020.6	6.2	6.2@22.5	1.5@55	190	20/55	52	23	108.2
Wolffkran	WOLFF 6015.6	6.2	6.2@25.9	1.5@60	190	25/60	52	23	108.2
Wolffkran	WOLFF 6531.6	6.2	6.2@45.7	3.7@65	460	30/65	230	56	94.7
Wolffkran	WOLFF 6023.6	6.2	6.2@35	2.3@60	190	25/60	52	23	103.7
Wolffkran	WOLFF 5020.8	8.5	8.5@17.0	1.5@55	190	20/55	115	26	108.2
Wolffkran	WOLFF 6015.8	8.5	18.5@19.6	1.5@60	190	25/60	115	26	108.2
Wolffkran	WOLFF 6023.8	8.5	8.5@26.6	2.3@60	460	25/60	170	42	103.7
Wolffkran	WOLFF 6031.8	8.5	8.5@30.5	3.1@60	190	30/65	170	42	131.7
Wolffkran	WOLFF 7032.8	8.5	8.5@37.9	3.2@70	460	25/70	185	44	103.7
Wolffkran	WOLFF 6531.8	8.5	8.5@37	3.7@65	190	30/65	115	26	94.7
Wolffkran	WOLFF 8033.8	8.5	8.5@55	3.3@80	460	30/80	185	44	124.2
Wolffkran	WOLFF 7534.8	8.5	8.5@47.3	3.7@75	460	30/75	185	44	130.2
Wolffkran	WOLFF 6031.12	12	12@23.3	2.2@65	460	30/65	170	29	131.7
Wolffkran	WOLFF 7032.12	12	12@27.5	2.9@70	460	25/70	185	31	103.3
Wolffkran	WOLFF 6531.12	12	12@26.4	3.4@65	460	30/65	230	29	94.3
Wolffkran	WOLFF 7532.12	12	12@32.6	3.4@75	460	30/75	230	29	89.8
Wolffkran	WOLFF 7532.16	16.5	16.5@24.6	3.3@75	460	30/75	170	21	89.8
Wolffkran	WOLFF 7534.16	16.5	16.5@26.3	3.3@75	460	30/75	185	23	130.2
Wolffkran	WOLFF 8033.16	16.5	16.5@29.5	2.9@80	460	30/80	185	44	122.6
Wolffkran	WOLFF 9025	20	20@24.4	2.5@90	400	30/90	125	18	84.7
Wolffkran	WOLFF 8033.20	20	20@26.7	2.9@80	400	30/80	190	28	122.6
Wolffkran	WOLFF 8540.20	20	20@30.7	4@85	400	30/85	125	18	88.2
Wolffkran	WOLFF 6071	20	20@31.8	7.1@60	400	30/60	125	18	88.2
Wolffkran	WOLFF 8060.25	25	25@30	6@80	400	30/80	159	22	74.7
Wolffkran	WOLFF 8540.40	40	40@15.6	4@85	400	30/85	125	18	82.2
Wolffkran	WOLFF 8060.50	50	50@15.2	6@80	400	30/80	159	11	68.7
Zoomlion	T8030-25	25	25@20	3@80	72	40/80	150	6	74.45

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)	Maximim 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
Potain	MCT 68	3	3@20	1.1@46	n/s	46	86	n/s	51.6
Comansa	5LC3510 4t	4	4 @ 10	1.1 @ 35	125	20 / 35	92	2	75.9
Comansa	5LC4010 4t	4	4 @ 12.5	1.1 @ 40	125	20 / 40	92	2	75.9
Comansa	5LC4510 4t	4	4 @ 15	1.1 @ 45	125	20 / 45	92	2	70.9
Comansa	5LC5010 4t	4	4 @ 17.5	1.1 @ 50	125	20 / 50	92	2	70.9
ENG	ETT60	4	4.0@15.8	1.05@45.0	152	11.0/45.0	48	2	42.5
Jaso	J37NS	4	4.0@11.3	1.0@37.0	189	20.0/37.0	82	3	77
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@12.6	1.1@42.0	189	20.0/42.0	82	2.5	72.6
Jaso	J47NS	5	5.0@15.1	1.0@47.0	189	20.0/47.0	100	4	88.5
Jaso	J52NS	5	5.0@18.9	1.1@52.0	189	20.0/52.0	102	4	85.6
Liebherr	71 EC-B 5 FR.tronic	5	5.00@16.9	1.00@50.0	260	20 to 50	149	0	45.7
Liebherr	85 EC-B 5 (2/4)	5	5.00@16,4	1.30@50	278	20 to 50	80	0	47.8
Liebherr	85 EC-B 5 FR.tronic	5	5.00@16,9	1.30@50.0	260	20 to 50	149	0	47.8
Potain	MCT 88	5	5 @ 16.3	1.1 @ 52	n/s	52	82	n/s	50.5
Terex	CTT 91-5	5	5@20.94	1.4@50	155	25/50	69	0	48.70
Comansa	11LC90 6t	6	6 @ 15.2	1.3 @ 52.5	220	30 / 52.5	154	3	68.5
Comansa	11LC132 6t	6	6 @ 23.5	1.3 @ 60	310	30 / 60	230	3	108.8
Jaso	J85	6	6.0@19.32	1.2@55	240	25.0/55.0	80	3	86.7
Liebherr	125 EC-B 6	6	6.00@22,3	1,6@58	250	20 to 58	123	0	61.5
Potain	MDT109	6	6@17.8	1.35@55	n/s	55	96	n/s	53.5
Potain	MDT139	6	6@24.8	1.9@55	n/s	55	163	n/s	54.7
Saez	TLS 55-13 6T	6	6@17.7	1.485@55	190	20/55	100	8	107.7
Saez	TLS 55-17 6T	6	6@21.2	1.92@55	190	20/55	100	8	107.7
Terex	CTT 132-6	6	6@27.66	1.5@60	155	30/60	80	0	55.3
Wilbert	WT 150 e.tronic	6	6@25	2@60	160	25/60	120	n/s	95.6
Wolffkran	WOLFF 4518 city	6	6@17.3	1.3@50	100	25/50	55	15	59.5
Wolffkran	WOLFF 5014	6	6@17.8	1.4@50	190	25/50	108	24	n/s
Wolffkran	WOLFF 5020.6	6.2	6.2@22.5	1.5@55	190	20/55	52	23	108.2
Wolffkran	WOLFF 6015.6	6.2	6.2@25.9	1.5@60	190	25/60	52	23	108.2
Wolffkran	WOLFF 6531.6	6.2	6.2@45.7	3.7@65	460	30/65	230	56	94.7
Wolffkran	WOLFF 6023.6	6.2	6.2@35	2.3@60	190	25/60	52	23	103.7
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	72.4
Liebherr	172 EC-B 8 Litronic	8	8.00@24.3	1.80@62.5	328	24.4 to 62.5	174	0	75.5
Potain	MDT189	8	8@24.5	1.8@60m	n/s	60	121	n/s	68.6
Potain	MDT219 J8	8	8@29.2	1.95@65m	n/s	65	121	n/s	66.8
Saez	TLS 60 8T	8	8@14.6	1.4@60	320	25/60	104		114
Saez	TLS 65 8T	8	8@16.4	1.6@65	320	25/65	104		114
Terex	CTT 172-8	8	8@16.82	1.71@65	255	25/65	132	0	70.8
Terex	CTT 202-8	8	8@25.00	2.3@65	255	25/65	132	0	76.7
Wilbert	WT 200 e.tronic	8	8@25	1.7@65	160	25/65	130	n/s	92.5
Wolffkran	WOLFF 5020.8	8.5	8.5@17.0	1.5@55	190	20/55	115	26	108.2
Wolffkran	WOLFF 6015.8	8.5	18.5@19.6	1.5@60	190	25/60	115	26	108.2
Wolffkran	WOLFF 6023.8	8.5	8.5@26.6	2.3@60	460	25/60	170	42	103.7

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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Wolffkran	WOLFF 6031.8	8.5	8.5@30.5	3.1@60	190	30/65	170	42	131.7
Wolffkran	WOLFF 7032.8	8.5	8.5@37.9	3.2@70	460	25/70	185	44	103.7
Wolffkran	WOLFF 6531.8	8.5	8.5@37	3.7@65	190	30/65	115	26	94.7
Wolffkran	WOLFF 8033.8	8.5	8.5@55	3.3@80	460	30/80	185	44	124.2
Wolffkran	WOLFF 7534.8	8.5	8.5@47.3	3.7@75	460	30/75	185	44	130.2
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	150.10	10	10.0@19.4	1.6@65	534	27.5/65	80	12.5	81.5
Jaso	160.10	10	10.0@17.0	1.7@65	534	30/65	80	12.3	83.2
Jaso	J185	10	10.0@17.6	2.0@65	534	30/65	80	12.5	83.1
Jaso	J 190N.10.A	10	10.0@24.6	2.75@60	534	30/60	80	3.5	93.4
Jaso	J 210.A	10	10.0@26.0	3.0@60	534	30/60	80	3.5	88.4
Liebherr	220 EC-B 10	10	10.00@19.8	2.6@65	n/s	n/s to 65	230		
Liebherr	240 EC-B 10	10	10.00@20.1	2.85@65	n/s	n/s to 65	143		
Potain	MDT219 J10	10	10@21.7	1.9@60m	n/s	65	100	n/s	66.8
Potain	MDT 249 J10	10	10@24.6	2.75@65m	n/s	65	215	n/s	43.3
Potain	MDT 269 J10	10	10@ 24.8	3.3 @ 65	n/s	65	215	n/s	69
Potain	MDT 259 J10	10	10@24.8	3.1@65	n/s	65	215	n/s	66.2
Saez	TLS 65B 10T	10	10@15.8	2@65	320	25/65	104		114
Terex	CTT 202-10	10	10@23.89	2.3@65	265	25/65	110	0	76.7
Comansa	16LC185 12t	12	12 @ 17.2	1.9 @ 65	660	30 / 65	330	0	104.3
Comansa	16LC220 12t	12	12 @ 19.8	2.3 @ 65	660	30 / 65	330	0	104.3
Comansa	16LC260 12t	12	12 @ 25.6	2.3 @ 70	660	35 / 70	330	0	102.1
Comansa	21LC335 12t	12	12 @ 29.7	2.9 @ 74	395	40 / 74	330	0	98.9
ENG	ETT202	12	12.0@20.7	1.87@70.0	306	25.0/70.0	115	5	66.3
ENG	ETT244	12	12.0@28.8	1.76@75.0	347	33.0/75.0	115	5	63.5
Jaso	J 260N.A	12	12.0@29.39	2.7@70	364	35/70	120	17.5	93.4
Jaso	J 300N.A	12	12.0@29.43	2.7@75	364	35/75	120	17.5	93.4
Jaso	J 300N.2R.A	12	12.0@7.7	2.5@75	284	35/75	185	17.5	93.4
Liebherr	220 EC-B 12	12	12.00@16	2.4@65	n/s	n/s to 65	192		
Liebherr	240 EC-B 12	12	12.00@16.5	2.85@65	n/S	n/s to 65	119		
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 Litronic	12							
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	325	24,4 to 78	267	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
Potain	MDT 259 J12	12	12 @ 21.6	2.9 @ 65	n/s	65	220	n/s	66.2
Potain	MDT 269 J12	12	12 @ 21.6	3.1 @ 65	n/s	65	220	n/s	69
Potain	MDT 289	12	12 @ 24.9	2.75 @ 70	n/s	70	220	n/s	68.9
Potain	MDT 319	12	12 @ 24.9	3.2 @ 70	n/s	70	220	n/s	70.6
Potain	MDT 389 L12	12	12 @ 29.9	3.4 @ 75	n/s	75	220	n/s	95.7
Potain	MDT 249 J12	12	12 @ 20.4	2.6 @65	n/s	65	220	n/s	43.3
Potain	MDT349 L12	12	12 @30	3.2 @75	n/s	75	220	n/s	69.2
Saez	TLS 70 12T	12	12@17	2.2@70	300	30/70	118		110
Terex	CTT 231-12	12	12@26.61	2.1@70	340	30/70	162	0	62.2
Wilbert	WT 260 e.tronic	12	12@25	2.7@70	190	25/70	137	n/s	100
Wilbert	WT 320 e.tronic	12	12@25	3.3@75	610	25/75	224	n/s	85.8
Wolffkran	WOLFF 6031.12	12	12@23.3	2.2@65	460	30/65	170	29	131.7
Wolffkran	WOLFF 7032.12	12	12@27.5	2.9@70	460	25/70	185	31	103.3
Wolffkran	WOLFF 6531.12	12	12@26.4	3.4@65	460	30/65	230	29	94.3
Wolffkran	WOLFF 7532.12	12	12@32.6	3.4@75	460	30/75	230	29	89.8
ENG	ETT344	16	16.0@26.7	3.41@75.0	359	37.0/75.0	112	4	63.5
Jaso	J 300N.16.A	16	16.0@21.0	2.5@75	528	35/75	125	17.5	93.4
Liebherr	380 EC-B 16 Litronic	16	16.00@26.3	3.40@75.0	276	30 to 75	243	0	86.5

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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
Liebherr	340 EC-B 16	16	16.00@21	2.1@78	276	24,4 to 78	192	0	94.6
Liebherr	280 EC-H 12 Litronic	16							
Liebherr	420 EC-H 16 Litronic	16	16.00@30	3.7@75	276	40 to 75	150	0	87.1
Potain	MDT 389 L16	16	16 @ 25.8	3.3 @ 75	n/s	75	167	n/s	94
Potain	MDT349 L16	16	16 @ 22.5	3 @ 75	n/s	75	167	n/s	69.2
Saez	TLS 75 16T	16	16@17.2	2.9@75	300	30/75	119		100
Terex	CTT 332-16	16	16@24.00	3.0@75	360	30/75	145	0	98.4
Wilbert	WT 300 e.tronic	16	16@25	4@70	610	25/70	224	n/s	98.8
Wilbert	WT 420 e.tronic	16	16@30	2.8@85	610	30/85	240	n/s	79.5
Wolffkran	WOLFF 7532.16	16.5	16.5@24.6	3.3@75	460	30/75	170	21	89.8
Wolffkran	WOLFF 7534.16	16.5	16.5@26.3	3.3@75	460	30/75	185	23	130.2
Wolffkran	WOLFF 8033.16	16.5	16.5@29.5	2.9@80	460	30/80	185	44	122.6
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	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	84.5
Potain	MD 509 M20	20	20 @ 24.3	3.7 @ 80	n/s	80	245.5	n/s	87.8
Potain	MD 559	20	20 @ 30	4.7 @ 80	n/s	80	162	n/s	73.2
Terex	CTT 472-20	20	20@27.74	4.48@80	495	30 / 80	190	0	92.4
Terex	CTT 561A-20	20	20@31.72	2.2@84	250	39/84	118	0	85.2
Terex	SK 415-20	20	20@26.1	2.3@80	260	35/80	110	0	65.5
Terex	SK 452-20	20	20@26.1	2.5@80	495	35/80	190	0	88.2
Wolffkran	WOLFF 9025	20	20@24.4	2.5@90	400	30/90	125	18	84.7
Wolffkran	WOLFF 8033.20	20	20@26.7	2.9@80	400	30/80	190	28	122.6
Wolffkran	WOLFF 8540.20	20	20@30.7	4@85	400	30/85	125	18	88.2
Wolffkran	WOLFF 6071	20	20@31.8	7.1@60	400	30/60	125	18	88.2
ENG	ETT450	24	24.0@23.2	3.30@80.0	398	30.0/80.0	173	4	90.7
Jaso	J360.24	24	24.0@19.0	5.0@55	314	30/55	115	10	90.7
Jaso	J420	24	24.0@23.2	2.5@85	828	30/85	205	14	80
Jaso	J550	24	24.0@27.3	4.1@75	848	30/75	205	14	68.2
Jaso	J560	24	24.0@27.2	2.5@85	828	30/85	331	14	80
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	21LC660 25t	25	25 @ 30	5.2 @ 84	393	40 / 84	300	0	103.8
Comansa	21LC750 25t	25	25 @ 38.9	8.0 @ 80	393	40 / 80	300	0	98.2
Comansa	21LC450 25t	25	25 @ 19.1	2.8 @ 80	785	40 / 80	202	0	109.3
Comansa	21LC550 25t	25	25 @ 21.8	3.9 @ 80	790	40 / 80	202	0	103.7
Comansa	21LC1050 25t	25	25 @ 46.6	11.8 @ 80	393	30 / 80	300	0	98.2
ENG	ETT531	25	25.0@22.7	2.20@86.0	400	36.0/86.0	159	3	90.7
Potain	MD 509 M25	25	25 @ 20	3.7 @ 80	n/s	80	192	n/s	87.8
Potain	MD 569	25	25 @ 24.7	5.8 @ 80	n/s	80	192	n/s	73.2
Potain	MD 689 M25	25	25 @ 29.3	6.7 @ 80	n/s	80	192	n/s	87.7
Potain	MDT 809 M25	25	25 @ 31	9.0 @ 80	n/s	80	195	n/s	77.4
Wolffkran	WOLFF 8060.25	25	25@30	6@80	400	30/80	159	22	74.7
Zoomlion	T8030-25	25	25@20	3@80	72	40/80	150	6	74.45
Comansa	30LC1100 32t	32	32 @ 38.2	12.1 @ 80	363	40 / 80	259	0	108.3
Comansa	30LC1450 32t	32	32 @ 50.5	16 @ 80	363	40 / 80	259	0	102.8
Potain	MDT 809 M32	32	32 @ 28.1	8.3 @ 80	n/s	80	215	n/s	77.4
Saez	TLS 80 32T	32	32@12.3	3.5@80	300	30/80	138		93.4
Terex	CTT 561A-32	32	32@20.11	1.5@80	239	39/84	170	0	85.2
Terex	SK 575-32	32	32@20.4	3.9@80	216.5	40/80	126	0	65
Wilbert	WT 650 e.tronic	32	32@24	6.3@82.5	500	30/82.5	240	n/s	83.7
Comansa	21LC660 37.5t	37.5	37.5 @ 20.5	5.2 @ 84	393	40 / 84	300	0	103.8
Comansa	21LC750 37.5t	37.5	37.5 @ 26.4	8.0 @ 80	393	40 / 80	300	0	98.2
Comansa	21LC1050 37.5t	37.5	37.5 @ 32.7	11.8 @ 80	393	30 / 80	300	0	98.2
ENG	ETT791	40	40.0@21.4	4.07@90.0	402	42.0/90.0	93	2	90.5

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)	Maximim Hoist Speed (m/min)	Minimum Hoist Speed (m/min)	Max Freestanding Height (m)
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@80	520	36 to 80	191	0	80
Liebherr	1000 EC-H 40 Litronic	40	40.00@27.40	11.50@80	520	34,5 to 80	191	0	88.4
Liebherr	1250 HC 40	40	40.00@31.00	12.50@81	520	40 to 81	97	0	79
Potain	MD 689 M40	40	40 @ 18.5	6.0 @ 80	n/s	80	162	n/s	87.7
Potain	MDT 809 M40	40	40 @ 22.9	8.3 @ 80	n/s	80	162	n/s	77.4
Terex	CTT 721-40B	40	40@21.9	4.65@80	239	39/84	146	0	79.4
Wolffkran	WOLFF 8540.40	40	40@15.6	4@85	400	30/85	125	18	82.2
Comansa	30LC1100 48t	48	48 @ 26.6	12.1 @ 80	363	40 / 80	259	0	108.3
Comansa	30LC1450 48t	48	48 @ 35.4	16 @ 80	363	40 / 80	259	0	102.8
Jaso	J800.48	48	48.0@19.9	5.1@80	455	23/80	150	13	51.1
Comansa	21LC660 50t	50	50 @ 16.1	4.6 @ 84	393	40 / 84	150	0	103.8
Comansa	21LC750 50t	50	50 @ 20.6	7.3 @ 80	393	40 / 80	150	0	98.2
Comansa	21LC1050 50t	50	50 @ 25.9	11.2 @ 80	393	30 / 80	150	0	98.2
Comansa	21LC1400 50t	50	50 @ 34.6	10.7 @ 84.6	393	28.6 / 85	150	0	86.5
Liebherr	630 EC-H 50 Litronic	50	50.00@15.20	5.20@80	334	36 to 80	153	0	80
Liebherr	1000 EC-H 50 Litronic	50	50.00@21,6	11.00@80	334	34,5 to 80	140	0	85.5
Liebherr	1250 HC 50	50	50.00@24.30	12.00@81.00	441	40 to 81	77	0	79
Potain	MD 1100	50	50@22.1	9.5@80	n/s	80	141	n/s	87.4
Wolffkran	WOLFF 8060.50	50	50@15.2	6@80	400	30/80	159	11	68.7
Liebherr	2000 HC 60	60	60.00@34.90	19.00@80	226	48 to 80	105	0	91.8
Liebherr	3150 HC 60	60	60.00@50.70	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
Potain	MD 1600	64	64@27.1	17.4@80	n/s	80	124	n/s	94.2
Potain	MD 2200	64	64@35	23.5@80	n/s	80	124	n/s	104.5
Comansa	21LC1400 66t	66	66 @ 26.5	9.6 @ 85	355	28.6 / 85	116	0	86.5
Potain	MD 3200	80	80@37	38.7@70	n/s	85	160	n/s	104.5
Comansa	30LC1450 90t	90	90 @ 18	26.4 @ 60	362.5	40 / 60	93	0	96.8
Liebherr	4000 HC 100	100	100.00@36.30	22.50@96.00	360	60 to 96	136	0	67.6
Liebherr	1000 EC-B 100 Litronic	100	100.00@11	9.6@46,5	257	31.5 to 46.5	32	0	85.1
Liebherr	1000 EC-B 125 Litronic	125	125.00@9.0	19.35@31.5	257	36.5 to 36.5	22	0	110.8

SELF-ERECTING BY MANUFACTURER

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Max Hoist Speed (m/min)
ENG	GTA17	1.5	1.5@10.82	0.6@22.0	16.5	20 to 22	34
ENG	GTA22	2	2.0@11.7	0.75@25.0	23	23 to 25	36
ENG	GTA30	2	2.0@14.75	0.80@29.0	25.5	25 to 29	40
ENG	GTA45.B	4	4.0@11.40	1.0@32.0	27.4	28 to 32	48
ENG	GTA52	4	4.0@13.25	1.0@36.0	27	28 to 36	48
ENG	GTA54	4	4.0@12.20	1.0@38.0	31.9	33.2 to 38	48
ENG	GTA60	4	4.0@13.30	1.0@41.8	27	35 to 41.8	48
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40
Liebherr	L1-24	2.5	2.5@11.6	0.8@27	19.2	22 to 27	51
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	L1-32	4	4@10.6	1.05@30	21.3	25 to 30	57
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	1.10@43.0	34.6	28 to 43	74.1
Liebherr	81 K.1	6	6.00@16.3	1.35@48.0	40.4	31 to 48	76.1
Liebherr	125 K	8	8.00@16.3	1.3@55	41.5	35 to 55	66.3
Liebherr	MK 88-4.1	8	8.00@12.0	2.20@45.0	30.2	45	75
Liebherr	MK 140	8	8.00@14.5	1.00@65.0	37.7	58.3 to 65	n/s
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Hup M 28-22	2.2	2.2@12.7	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68
Potain	Igo T 85 A	6	6@15.7	1.4@45	38	45	69
Potain	Igo T 130	8	8@18.6	1.4@50	37	50	63
Saez	H 24 MTF	1.5	1.5@12.3	0.7@24	18	24	25
Saez	H 28	2	2@13.3	0.75@28	19	28	41
Saez	H 32 SR/DR	4	4@10.5	1@32	21	32	41
Saez	H 45	4	4@14.5	1.1@40	23.2	45	59
Terex	CBR 21H	1.6	1.6@10	0.6	18.2	11.2-21	36
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46
Terex	CBR 40H	4	4@14.5	1	25.6	27.2-40	46
Vicario	22-AR	1.8	1.8@8.64	0.6@21.9	17.2	10.7-21.9	37
Vicario	24-AR	1.8	1.8@8.8	.5@24	17.2	11.8-24	37
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Vicario	30-A	4	4@9.6	1@30	24	14-30	56
Vicario	34-A	4	4@10.9	1@34	25	14-34	56
Vicario	370	4	4@12.4	1@38	25.5	28-38	56
Vicario	340	4	4@13.45	1@42	26	28-42	56
Vicario	45-A	4	4@14.45	1@45	27	30-45	56

SELF-ERECTING BY CAPACITY

Manufacturer	Model	Max Lifting Capacity (t)	Max Load up to ? Radius (t@m)	Max Load @ Max Radius (t@m)	Max Hook Height (m)	Jib Length Min/Max (m/m)	Max Hoist Speed (m/min)
Potain	Igo 11	1.3	1.3@10.2	0.65@18	16	18	42.5
ENG	GTA17	1.5	1.5@10.82	0.6@22.0	16.5	20 to 22	34
Liebherr	13 HM.1	1.5	1.50@10.4	0.50@22.0	16	20 to 22	25
Saez	H 24 MTF	1.5	1.5@12.3	0.7@24	18	24	25
Terex	CBR 21H	1.6	1.6@10	0.6	18.2	11.2-21	36
Potain	Igo 13	1.8	1.8@9.3	0.7@20	17	20	39
Potain	Igo 15	1.8	1.8@10.9	0.7@22	19	22	39
Potain	Igo 18	1.8	1.8@12	0.7@24	19	24	39
Potain	Igo 21	1.8	1.8@13.4	0.7@26	19	26	39
Potain	Igo 22	1.8	1.8@16	0.85@28	20	28	39
Potain	Igo M 14	1.8	1.8@9.1	0.6@22	19	22	39
Potain	Igo MA 21	1.8	1.8@13.4	0.7@26	19	26	39
Vicario	22-AR	1.8	1.8@8.64	0.6@21.9	17.2	10.7-21.9	37
Vicario	24-AR	1.8	1.8@8.8	.5@24	17.2	11.8-24	37
ENG	GTA22	2	2.0@11.7	0.75@25.0	23	23 to 25	36
ENG	GTA30	2	2.0@14.75	0.80@29.0	25.5	25 to 29	40
Liebherr	22 HM	2	2.00@13.5	0.70@27.0	19	25 to 27	40
Saez	H 28	2	2@13.3	0.75@28	19	28	41
Terex	CBR 24 Plus	2	2@12.3	0.75	19.1	12.3-24	36
Potain	Hup M 28-22	2.2	2.2@12.7	0.85@28	22	28	49
Potain	Igo 30	2.2	2.2@14.6	0.9@30	21	30	48
Vicario	26-A SR	2.2	2.2@10.9	.75@26	22.4	10.9-26	42
Vicario	350-SR	2.2	2.2@12.13	.85@27	24	13.13-27	42
Liebherr	L1-24	2.5	2.5@11.6	0.8@27	19.2	22 to 27	51
Terex	CBR 28 Plus	2.5	2.5@13.5	0.9	21.6	14.4-27.8	40
ENG	GTA45.B	4	4.0@11.40	1.0@32.0	27.4	28 to 32	48
ENG	GTA52	4	4.0@13.25	1.0@36.0	27	28 to 36	48
ENG	GTA54	4	4.0@12.20	1.0@38.0	31.9	33.2 to 38	48
ENG	GTA60	4	4.0@13.30	1.0@41.8	27	35 to 41.8	48
Liebherr	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	L1-32	4	4@10.6	1.05@30	21.3	25 to 30	57
Potain	Hup 32-27	4	4 @ 12.1	1 @ 32	27	32	65
Potain	Hup 40-30	4	4 @ 15.7	1 @ 40	30	40	65
Potain	Igo 32	4	4@10.8	1.1@30	22	30	66.5
Potain	Igo 50	4	4@15.7	1.1@40	23	40	66.5
Potain	Igo T 70 A	4	4@19.9	1.45@40	35	40	68
Saez	H 32 SR/DR	4	4@10.5	1@32	21	32	41
Saez	H 45	4	4 @ 14.5	1.1@40	23.2	45	59
Terex	CBR 32 Plus	4	4@12.5	1	21.6	14.2-32	46
Terex	CBR 40H	4	4@14.5	1	25.6	27.2-40	46
Vicario	30-A	4	4@9.6	1@30	24	14-30	56
Vicario	34-A	4	4@10.9	1@34	25	14-34	56
Vicario	370	4	4@12.4	1@38	25.5	28-38	56
Vicario	340	4	4@13.45	1@42	26	28-42	56
Vicario	45-A	4	4@14.45	1@45	27	30-45	56
Liebherr	53 K (2/4)	4.2	4.20@15.3	1.00@40.0	30.4	28 to 40	89
Liebherr	65 K.1	4.5	4.50@17.60	1.10@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
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

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	42/4S	1.8 t	0.33	37 ft 8 in	29 ft 8 in	67 in	1,280	1.984
Effer	65/4S	2.5 t	0.5	42 ft 2 in	34 ft 1 in	78 in	2,120	2.755
Effer	80/4S	2.8 t	0.6	43 ft 4 in	35 ft 4 in	82 in	2,225	3.086
Effer	100/4S	3.7 t	0.75	43 ft 7 in	34 ft 7 in	85 in	2,630	4.078
Effer	130/145	4.5 t	0.5	62 ft 1 in	55 ft 1 in	89 in	4,476	4.96
Effer	155/165	5.5 t	0.7	72 ft 11 in	62 ft 9 in	90 in	4,871	6.06
Effer	150/165	5.5 t	0.7	72 ft 11 in	62 ft 9 in	90 in	4,871	6.06
Effer	210	7 t	0.7	63 ft 10 in	56 ft 9 in	100 in	6,564	7.72
Effer	215/225	7 t	0.7	63 ft 10 in	56 ft 9 in	100 in	6,564	7.72
Effer	250	8.5 t	0.9	63 ft 10 in	56 ft 6 in	98 in	6,865	9.37
Effer	275/305	10 t	0.8	90 ft 11 in	83 ft 10 in	100 in	7,935	11.02
Effer	265/315	10 t	0.8	90 ft 11 in	83 ft 10 in	100 in	7,935	11.02
Effer	340/370	15 t	1	93 ft 7 in	86 ft 6 in	106 in	9,694	16.53
Effer	350/395	15 t	1	93 ft 7 in	86 ft 6 in	106 in	9,694	16.53
Effer	440/470	15 t	1.4	78 ft 2 in	70 ft 9 in	101 in	10,126	16.53
Effer	455/505	15 t	1.4	78 ft 2 in	70 ft 9 in	101 in	10,126	16.53
Effer	635/655	19.3 t	1.7	104 ft 8 in	96 ft 6 in	104 in	14,640	21.27
Effer	655/685	19.3 t	1.7	104 ft 8 in	96 ft 6 in	104 in	14,640	21.27
Effer	1355	24 t	3.6	111 ft 7 in	104 ft 10 in	105 in	22,125	26.46
Effer	750/850	26 t	2.2	82 ft 6 in	75 ft 9 in	98 in	16,520	28.66
Effer	955	27 t	3.1	80 ft	110 ft	106 in	17,510	28.66
Effer	1405	28 t	3.8	113 ft 5 in	106 ft 4 in	113 in	n/s	30.86
Effer	1750	32 t	5.9	111 ft 10 in	104 ft 9 in	114 in	30,420	35.27
Effer	2100	37 t	17.2	42 ft 5 in	35 ft 7 in	89 in	35,375	40.79
Effer	3000 VR	50 t	18	57 ft 6 in	50 ft 10 in	100 in	48,617	55.12
Effer	2200	37.9 t	4.9	162 ft 1 in	141 ft 10 in	93 in	41,625	41.78
Effer	2750	40.7 t	15.3	58 ft 9 in	51 ft 10 in	100 in	42,018	44.86
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	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	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	F65B.1.24	6,832	640 lbs @ 41 ft 11 in	46 ft 2 in	24ft 6in	6 ft 3 in	2050	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	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	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	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	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	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	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	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	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	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	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	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	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	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

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	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
Fassi	F950RA.2.28	48,501	551 lbs @ 121 ft 10 in	136 ft	80 ft	8 ft 6 in	19,000	24
Fassi	F1100RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	23,000	27.5
Fassi	F1300RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500	27.5
Fassi	F1950RAL.2.28	58,973	727 lbs @ 151 ft 5 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	29
Fassi	F2150RAL.2.28	63,272	728 lbs @ 152 ft 8 in	163 ft 2 in	80 ft 5 in	8 ft 6 in	45,000	32
Fassi	F1500RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	72 ft 2 in	8 ft 6 in	35,000	33
Fassi	F1950RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	78 ft 5 in	8 ft 6 in	40,000	44
Franna	AT 15-3	33,000	2300 lb at 52 ft	55 ft 9 in	45 ft 5 in	9 ft 10 in	35,300	17
Franna	AT 22	48,500	3700 lb at 51 ft 10 in	55 ft 9 in	45 ft 5 in	10 ft 2 in	44,100	24
Franna	MAC 25-4	55,100	3900 lb at 51 ft 6 in	59 ft	60 ft 5 in	10 ft 2 in	52,700	27
Franna	AT 40	88,100	6600 lb at 51 ft 5 in	62 ft 4 in	65 ft	11 ft 5 in	65,100	44
IMT	2.5/18	1,740 (790 kg)	715 @ 22 ft 8 in	28 ft 1 in (8.6 m)	23 ft	5 ft	850 (386 kg)	0.87
IMT	3.2/23	2,195 (995 kg)	960 @ 23 ft 4 in	29 ft 3 in (8.9 m)	23 ft	5 ft 2 in	920 (418 kg)	1.1
IMT	610K-MC	5,986 (2715 kg)	838 @ 35 ft 4 in	43 ft 11 in (13.4 m)	35 ft 4 in	6 ft 2 in	1389 (630 kg)	3
IMT	610K-MCS/RC	6526 (2960 kg)	948 @ 35 ft 4 in	43 ft 11 in (13.4 m)	35 ft 4 in (10.8 m)	6 ft 2 in	1389 (630 kg)	3.3
IMT	710K-RCS	6746 (3060 kg)	992 @ 35 ft 5 in	43 ft 11 in (13.4 m)	35 ft 5 in (10.8 m)	6 ft 2 in	1389 (630 kg)	3.4
IMT	810K-MC	7562 (3430 kg)	1135 @ 36 ft 1 in	42 ft 5 in (12.9 m)	36 ft 1 in (11 m)	6 ft 2 in	1466 (665 kg)	3.8
IMT	810K-MCS/RC	8245 (3740 kg)	1267 @ 36 ft 1 in	42 ft 5 in (12.9 m)	36 ft 1 in (11 m)	6 ft 2 in	1466 (665 kg)	4.1
IMT	9/65SL	8380 (3800 kg)	950 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7 ft	2360 (930 kg)	4.2
IMT	910K-RCS	8509 (3860 kg)	1322 @ 36 ft 1 in	42 ft 5 in (12.9 m)	36 ft 1 in (11 m)	6 ft 2 in	1389 (630 kg)	4.3
IMT	9/65DL	9040 (4100 kg)	905 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7 ft	2415 (1094 kg)	4.5
IMT	10/72SL	9722 (4410 kg)	1190 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7 ft	2380 (1080 kg)	4.6
IMT	10/72DL	10,384 (4710 kg)	1124 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7ft	2380 (1080 kg)	4.6
IMT	11/78SL	9170 (4160 kg)	1015 @ 48 ft 11 in	56 ft 9 in (17.3 m)	49 ft 3 in (15 m)	7 ft	2557 (1160 kg)	4.6
IMT	11/78DL	9280 (4210 kg)	1015 @ 48 ft 11 in	56 ft 9 in (17.3 m)	49 ft 3 in (15 m)	7 ft	2645 (1200 kg)	4.9
IMT	12/86SL	10,626 (4820 kg)	1301 @ 48 ft 10 in	56 ft 9 in (17.3 m)	49 ft 2 in (15 m)	7 ft 5 in	2590 (1175 kg)	5
IMT	12/86DL	10,670 (4840 kg)	1,279 @ 48 ft 10 in	56 ft 9 in (17.3 m)	49 ft 2 in (15 m)	7 ft	2665 (1210 kg)	5.1
IMT	13/88SL	9920 (4500 kg)	750 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft	2890 (1310 kg)	5.1
IMT	13/88DL	10,780 (4890 kg)	750 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft 5 in	3000 (1360 kg)	5.4
IMT	14/98SL	11,680 (5300 kg)	1035 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 4 in	2890 (1310 kg)	5.5
IMT	14/98DL	12,275 (5570 kg)	1015 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 4 in	3000 (1,360 kg)	5.9
IMT	15/105SL	12,125 (5500 kg)	1060 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft 5 in	3020 (1370 kg)	5.9
IMT	15/105DL	13,470 (6110 kg)	1060 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft 5 in	3130 (1420 kg)	6.4
IMT	17/117SL	13,445 (6100 kg)	1390 @ 56 ft 5 in	64 ft 7 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 5 in	3020 (1370 kg)	6.7
IMT	17/117DL	15,625 (7090 kg)	1390 @ 56 ft 5 in	64 ft 7 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 6 in	3130 (1420 kg)	6.9
IMT	18/124SL	13,800 (6260 kg)	615 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	3900 (1770 kg)	7.4
IMT	18/124DL	14,265 (6470 kg)	615 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 5 in	4055 (1840 kg)	7.4
IMT	20/138SL	16,200 (7350 kg)	950 @ 70 ft 10 in	79 ft 1 in (24.1 m)	70 ft 10 in (21.6 m)	7 ft 9 in	3900 (1770 kg)	7.5
IMT	20/138DL	16,265 (7380 kg)	950 @ 70 ft 6 in	79 ft 1 in (24.1 m)	70 ft 10 in (21.6 m)	7 ft 6 in	4055 (1840 kg)	7.7
IMT	22/153SL	17,065 (7740 kg)	880 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4180 (1895 kg)	7.9
IMT	22/153DL	17,550 (7960 kg)	880 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4365 (1980 kg)	8.5
IMT	26/180SL	18,940 (8590 kg)	1345 @ 70 ft 6 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4180 (1895 kg)	8.8
IMT	26/180DL	19,355 (8780 kg)	1345 @ 70 ft 6 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4365 (1980 kg)	9.5
IMT	32/222	15,058 (6830 kg)	1764 @ 69 ft 7 in	77 ft 10 in (23.7 m)	69 ft 7 in (21.2 m)	7 ft 10 in	5710 (2590 kg)	9.5
IMT	40/275	19,025 (8630 kg)	2225 @ 69 ft 11 in	79 ft (24.1 m)	69 ft 11 in (21.3 m)	7 ft 6 in	7165 (3250 kg)	9.7
IMT	50/345	22,840 (10,360 kg)	3085 @ 70 ft 3 in	78 ft 11 in (24.1 m)	70 ft 3 in (21.4 m)	7 ft 10 in	8180 (3710 kg)	11.4
IMT	60/427	27,845 (12,630 kg)	4210 @ 67 ft 3 in	76 ft 9 in (23.4 m)	67 ft 7 in (20.6 m)	7 ft 11 in	9735 (4415 kg)	13.9
IMT	80/565	35,410 (16,060 kg)	6285 @ 66 ft 7 in	76 ft 9 in (23.4 m)	66 ft 11 in (20.4 m)	8 ft 2 in	12,345 (5600 kg)	17.2
Manitex MAC	8.5 P	4,410 lbs	995 @ 34 ft 5 in	44 ft 3 in	34 ft 5 in	6 ft 3 in	1945	2.205
Manitex MAC	9.5 P	5,290 lbs	225 @ 59 ft 3 in	69 ft	59 ft 3 in	6 ft 6 in	2325	2.6
Manitex MAC	16.5 S	8,070 lbs	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,255	4.035
Manitex MAC	28.5 S	13,510 lbs	400 @ 87 ft 11 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,732	6.75
Manitex MAC	38.5 SP	17,990 lbs	995 @ 88 ft 1 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,812	8.995
Manitex MAC	47.5	27,340 lbs	750 @ 100 ft 7 in	112 ft	100 ft 7 in	8 ft 2 in	9,205	13.67
Manitex MAC	48.5	27,340 lbs	790 @ 101 ft 1 in	113 ft	101 ft 1 in	8 ft 2 in	9,625	13.67
Manitex MAC	65 SP	30,530 lbs	480 @ 118 ft 1 in	129 ft	106 ft 8 in	8 ft 4 in	13,151	15.26

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
Manitex MAC	58.5	32,740 lbs	730 @ 106 ft 4 in	118ft	106 ft 4 in	8 ft 2 in	10,430	16.37
Manitex MAC	100 SP	42,220 lbs	1,630 @ 109 ft 9 in	120 ft	109 ft 9 in	8 ft 2 in	16,790	21.11
Manitex MAC	210 SP	48,150 lbs	1,390 @ 148 ft 11 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085	24.075
Manitex MAC	150 SP	54,010	1,210 @ 126 ft	138 ft	115 ft 2 in	8 ft 8 in	24,585	27
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	3.31
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	3.65
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	3.65
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	5.6
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	5.7
Palfinger	PK 12.501 SLD	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	5.7
Palfinger	PK 9.501 SLD	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	5.71
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	5.71
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	5.98
Palfinger	PK 14002-EH	13,200	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	5.98
Palfinger	PK 18500	17,673	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	6.09
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 15500	13,670	1430@47 ft 7 in	n/s	47 ft 7 in	n/s	3570	6.2
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.2
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.2
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	6.2
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	6.285
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	6.285
Palfinger	PK 12.501 SLD	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	6.285
Palfinger	PK 9.501 SLD	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	6.3
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	6.3
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	6.6
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.72
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.72
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.75
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.75
Palfinger	PK 12000	14,970	1170@47 ft 11 in	n/s	47 ft 11 in	n/s	3040	6.79
Palfinger	PK 14.501 SLD	13,670	1700@39 ft 6 in	n/s	48 ft 7 in	n/s	3390	6.835
Palfinger	PK 13.501 SLD	13,700	1300@48 ft 7 in	n/s	48 ft 7 in	n/s	3330	6.85
Palfinger	PK 17.001 SLD	13,700	1820@48 ft 7 in	n/s	48 ft 7 in	n/s	3675	6.85
Palfinger	PK 19.001 SLD	13,700	2100@48 ft 7 in	n/s	47 ft 11 in	n/s	4670	6.85
Palfinger	PK 32080	18,740	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	8.5
Palfinger	PK 18500	17,673	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	8.8365
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 32080	18,740	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	9.37
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	9.8
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	9.8
Palfinger	PK 23500	22,046	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	9.9
Palfinger	PK 34002-SH	22,100	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	10.02
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	11
Palfinger	PK 23500	22,046	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	11.023
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	11.025
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	11.025
Palfinger	PK 34002-SH	22,100	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	11.05
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.2
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.22
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	15.75
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	16.79
Palfinger	PK 46002	34,170	2700@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	17.085

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 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	18.515
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	22
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	23
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	24.25
Palfinger	PK 65002-SH	48,500	4600@66 ft 11	n/s	66 ft 11 in	n/s	11111	24.25
Palfinger	PK 100002	55,100	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	25
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	25.355
Palfinger	PK 100002 HPLS	55,100	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	27.55
Palfinger	PK 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13025	27.56
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	30
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	32
Palfinger	PK 110002-SH	66,140	6900@72 ft 2 in	n/s	72 ft 2 in	n/s	19466	33.07
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	33.1
Palfinger	PK 92002-SH	66,200	5800@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	33.1
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	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 (790 kg)	715 @ 22 ft 8 in	28 ft 1 in (8.6 m)	23 ft	5 ft	850 (386 kg)	0.87
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	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
IMT	3.2/23	2,195 (995 kg)	960 @ 23 ft 4 in	29 ft 3 in (8.9 m)	23 ft	5 ft 2 in	920 (418 kg)	1.1
Effer	42/4S	1.8 t	0.33	37 ft 8 in	29 ft 8 in	67 in	1,280	1.984
Fassi	M30A 13	4,404	794 lbs @ 22 ft 4 in	27 ft 7 in	10 ft 5 in	5 ft 3 in	573	2
Manitex MAC	8.5 P	4,410 lbs	995 @ 34 ft 5 in	44 ft 3 in	34 ft 5 in	6 ft 3 in	1945	2.205
Fassi	F50A.0.24	5,004	462 lbs @ 35 ft 5 in	41 ft 5 in	17 ft 6 in	5 ft 9 in	1,653	2.5
Manitex MAC	9.5 P	5,290 lbs	225 @ 59 ft 3 in	69 ft	59 ft 3 in	6 ft 6 in	2325	2.6
Effer	65/4S	2.5 t	0.5	42 ft 2 in	34 ft 1 in	78 in	2,120	2.755
Fassi	F65B.1.24	6,832	640 lbs @ 41 ft 11 in	46 ft 2 in	24ft 6in	6 ft 3 in	2050	3
IMT	610K-MC	5,986 (2715 kg)	838 @ 35 ft 4 in	43 ft 11 in (13.4 m)	35 ft 4 in	6 ft 2 in	1389 (630 kg)	3
Effer	80/4S	2.8 t	0.6	43 ft 4 in	35 ft 4 in	82 in	2,225	3.086
IMT	610K-MCS/RC	6526 (2960 kg)	948 @ 35 ft 4 in	43 ft 11 in (13.4 m)	35 ft 4 in (10.8 m)	6 ft 2 in	1389 (630 kg)	3.3
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	3.31
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	3.31
IMT	710K-RCS	6746 (3060 kg)	992 @ 35 ft 5 in	43 ft 11 in (13.4 m)	35 ft 5 in (10.8 m)	6 ft 2 in	1389 (630 kg)	3.4
Palfinger	PK 5.001 SLD	7,300	640@36 ft 5 in	n/s	36 ft 5 in	n/s	1530	3.65
Palfinger	PK 7.001 SLD	7,300	930@36 ft 9 in	n/s	36 ft 9 in	n/s	1650	3.65
IMT	810K-MC	7562 (3430 kg)	1135 @ 36 ft 1 in	42 ft 5 in (12.9 m)	36 ft 1 in (11 m)	6 ft 2 in	1466 (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 MAC	16.5 S	8,070 lbs	905 @ 62 ft 4 in	75 ft 4 in	62 ft 4 in	7 ft 4 in	4,255	4.035
Effer	100/4S	3.7 t	0.75	43 ft 7 in	34 ft 7 in	85 in	2,630	4.078
IMT	810K-MCS/RC	8245 (3740 kg)	1267 @ 36 ft 1 in	42 ft 5 in (12.9 m)	36 ft 1 in (11 m)	6 ft 2 in	1466 (665 kg)	4.1
IMT	9/65SL	8380 (3800 kg)	950 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7 ft	2360 (930 kg)	4.2
IMT	910K-RCS	8509 (3860 kg)	1322 @ 36 ft 1 in	42 ft 5 in (12.9 m)	36 ft 1 in (11 m)	6 ft 2 in	1389 (630 kg)	4.3
IMT	9/65DL	9040 (4100 kg)	905 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7 ft	2415 (1094 kg)	4.5
IMT	10/72SL	9722 (4410 kg)	1190 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7 ft	2380 (1080 kg)	4.6
IMT	10/72DL	10,384 (4710 kg)	1124 @ 45 ft 7 in	53 ft 4 in (16.3 m)	45 ft 11 in (14 m)	7ft	2380 (1080 kg)	4.6
IMT	11/78SL	9170 (4160 kg)	1015 @ 48 ft 11 in	56 ft 9 in (17.3 m)	49 ft 3 in (15 m)	7 ft	2557 (1160 kg)	4.6
IMT	11/78DL	9280 (4210 kg)	1015 @ 48 ft 11 in	56 ft 9 in (17.3 m)	49 ft 3 in (15 m)	7 ft	2645 (1200 kg)	4.9
Effer	130/145	4.5 t	0.5	62 ft 1 in	55 ft 1 in	89 in	4,476	4.96
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

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
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	12/86SL	10,626 (4820 kg)	1301 @ 48 ft 10 in	56 ft 9 in (17.3 m)	49 ft 2 in (15 m)	7 ft 5 in	2590 (1175 kg)	5
IMT	12/86DL	10,670 (4840 kg)	1,279 @ 48 ft 10 in	56 ft 9 in (17.3 m)	49 ft 2 in (15 m)	7 ft	2665 (1210 kg)	5.1
IMT	13/88SL	9920 (4500 kg)	750 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft	2890 (1310 kg)	5.1
IMT	13/88DL	10,780 (4890 kg)	750 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft 5 in	3000 (1360 kg)	5.4
IMT	14/98SL	11,680 (5300 kg)	1035 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 4 in	2890 (1310 kg)	5.5
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	5.6
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	5.7
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	5.7
Palfinger	PK 12.501 SLD	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	5.7
Palfinger	PK 9.501 SLD	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	5.71
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	5.71
IMT	14/98DL	12,275 (5570 kg)	1015 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 4 in	3000 (1,360 kg)	5.9
IMT	15/105SL	12,125 (5500 kg)	1060 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft 5 in	3020 (1370 kg)	5.9
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	5.98
Palfinger	PK 14002-EH	13,200	1000@55 ft 9 in	n/s	55 ft 9 in	n/s	3940	5.98
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	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
Effer	155/165	5.5 t	0.7	72 ft 11 in	62 ft 9 in	90 in	4,871	6.06
Effer	150/165	5.5 t	0.7	72 ft 11 in	62 ft 9 in	90 in	4,871	6.06
Palfinger	PK 18500	17,673	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	6.09
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.1
Palfinger	PK 15500	13,670	1430@47 ft 7 in	n/s	47 ft 7 in	n/s	3570	6.2
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.2
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.2
Palfinger	PK 11001 CM	12,400	1920@33 ft 6 in	n/s	33 ft 6 in	n/s	2770	6.2
Palfinger	PK 8.501 SLD	12,570	1100@38 ft 7 in	n/s	38 ft 9 in	n/s	2320	6.285
Palfinger	PK 11.001 SLD	12,570	1500@39 ft 4 in	n/s	39 ft 6 in	n/s	2510	6.285
Palfinger	PK 12.501 SLD	12,570	1700@39 ft 4 in	n/s	39 ft 6 in	n/s	2580	6.285
Palfinger	PK 9.501 SLD	12,600	1260@38 ft 7 in	n/s	38 ft 9 in	n/s	2380	6.3
Palfinger	PK 8501 CM	12,600	1520@32 ft 6 in	n/s	32 ft 6 in	n/s	2425	6.3
IMT	15/105DL	13,470 (6110 kg)	1060 @ 56 ft 5 in	64 ft 8 in (19.7 m)	56 ft 5 in (17.2 m)	7 ft 5 in	3130 (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
Palfinger	PK 13002	13,200	900@55 ft 9 in	n/s	55 ft 9 in	n/s	3890	6.6
IMT	17/117SL	13,445 (6100 kg)	1390 @ 56 ft 5 in	64 ft 7 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 5 in	3020 (1370 kg)	6.7
Palfinger	PK 16002	13,440	1300@55 ft 9 in	n/s	55 ft 9 in	n/s	4120	6.72
Palfinger	PK 18002-EH	13,440	1440@55 ft 9 in	n/s	55 ft 9 in	n/s	4170	6.72
Manitex MAC	28.5 S	13,510 lbs	400 @ 87 ft 11 in	101 ft 3 in	87 ft 11 in	7 ft 9 in	5,732	6.75
Palfinger	PK 19502	13,500	1540@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.75
Palfinger	PK 22002-EH	13,500	1820@56 ft 1 in	n/s	56 ft 1 in	n/s	5270	6.75
Palfinger	PK 12000	14,970	1170@47 ft 11 in	n/s	47 ft 11 in	n/s	3040	6.79
Palfinger	PK 14.501 SLD	13,670	1700@39 ft 6 in	n/s	48 ft 7 in	n/s	3390	6.835
Palfinger	PK 13.501 SLD	13,700	1300@48 ft 7 in	n/s	48 ft 7 in	n/s	3330	6.85
Palfinger	PK 17.001 SLD	13,700	1820@48 ft 7 in	n/s	48 ft 7 in	n/s	3675	6.85
Palfinger	PK 19.001 SLD	13,700	2100@48 ft 7 in	n/s	47 ft 11 in	n/s	4670	6.85
IMT	17/117DL	15,625 (7090 kg)	1390 @ 56 ft 5 in	64 ft 7 in (19.7 m)	56 ft 8 in (17.3 m)	7 ft 6 in	3130 (1420 kg)	6.9
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	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
IMT	18/124SL	13,800 (6260 kg)	615 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	3900 (1770 kg)	7.4
IMT	18/124DL	14,265 (6470 kg)	615 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 5 in	4055 (1840 kg)	7.4
IMT	20/138SL	16,200 (7350 kg)	950 @ 70 ft 10 in	79 ft 1 in (24.1 m)	70 ft 10 in (21.6 m)	7 ft 9 in	3900 (1770 kg)	7.5
IMT	20/138DL	16,265 (7380 kg)	950 @ 70 ft 6 in	79 ft 1 in (24.1 m)	70 ft 10 in (21.6 m)	7 ft 6 in	4055 (1840 kg)	7.7
Effer	210	7 t	0.7	63 ft 10 in	56 ft 9 in	100 in	6,564	7.72
Effer	215/225	7 t	0.7	63 ft 10 in	56 ft 9 in	100 in	6,564	7.72
IMT	22/153SL	17,065 (7740 kg)	880 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4180 (1895 kg)	7.9
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

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
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
IMT	22/153DL	17,550 (7960 kg)	880 @ 70 ft 10 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4365 (1980 kg)	8.5
Palfinger	PK 32080	18,740	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	8.5
IMT	26/180SL	18,940 (8590 kg)	1345 @ 70 ft 6 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4180 (1895 kg)	8.8
Palfinger	PK 18500	17,673	2072@47 ft 11 in	n/s	47 ft 11 in	n/s	4670	8.8365
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	8.89
Manitex MAC	38.5 SP	17,990 lbs	995 @ 88 ft 1 in	101 ft 3 in	88 ft 1 in	7 ft 9 in	6,812	8.995
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	9.09
Effer	250	8.5 t	0.9	63 ft 10 in	56 ft 6 in	98 in	6,865	9.37
Palfinger	PK 32080	18,740	3950@46 ft 11 in	n/s	46 ft 11 in	n/s	6900	9.37
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	26/180DL	19,355 (8780 kg)	1345 @ 70 ft 6 in	79 ft 1 in (24.1 m)	71 ft 2 in (21.7 m)	7 ft 6 in	4365 (1980 kg)	9.5
IMT	32/222	15,058 (6830 kg)	1764 @ 69 ft 7 in	77 ft 10 in (23.7 m)	69 ft 7 in (21.2 m)	7 ft 10 in	5710 (2590 kg)	9.5
IMT	40/275	19,025 (8630 kg)	2225 @ 69 ft 11 in	79 ft (24.1 m)	69 ft 11 in (21.3 m)	7 ft 6 in	7165 (3250 kg)	9.7
Palfinger	PK 23502	19,600	1170@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	9.8
Palfinger	PK 26002-EH	19,600	1300@69 ft 11 in	n/s	69 ft 11 in	n/s	5694	9.8
Palfinger	PK 23500	22,046	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	9.9
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
Palfinger	PK 34002-SH	22,100	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	10.02
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	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	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	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	8490	11
Effer	275/305	10 t	0.8	90 ft 11 in	83 ft 10 in	100 in	7,935	11.02
Effer	265/315	10 t	0.8	90 ft 11 in	83 ft 10 in	100 in	7,935	11.02
Palfinger	PK 23500	22,046	2116@56 ft 9 in	n/s	56 ft 9 in	n/s	5170	11.023
Palfinger	PK 30002	22,050	1560@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	11.025
Palfinger	PK 33002-EH	22,050	1900@69 ft 11 in	n/s	69 ft 11 in	n/s	6340	11.025
Palfinger	PK 34002-SH	22,100	2050@69 ft 11 in	n/s	69 ft 11 in	n/s	6460	11.05
IMT	50/345	22,840 (10,360 kg)	3085 @ 70 ft 3 in	78 ft 11 in (24.1 m)	70 ft 3 in (21.4 m)	7 ft 10 in	8180 (3710 kg)	11.4
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 MAC	47.5	27,340 lbs	750 @ 100 ft 7 in	112 ft	100 ft 7 in	8 ft 2 in	9,205	13.67
Manitex MAC	48.5	27,340 lbs	790 @ 101 ft 1 in	113 ft	101 ft 1 in	8 ft 2 in	9,625	13.67
IMT	60/427	27,845 (12,630 kg)	4210 @ 67 ft 3 in	76 ft 9 in (23.4 m)	67 ft 7 in (20.6 m)	7 ft 11 in	9735 (4415 kg)	13.9
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.2
Palfinger	PK 37002	28,440	2000@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	14.22
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 MAC	65 SP	30,530 lbs	480 @ 118 ft 1 in	129 ft	106 ft 8 in	8 ft 4 in	13,151	15.26
Palfinger	PK 40002-EH	31,500	2450@68 ft 11 in	n/s	68 ft 11 in	n/s	8490	15.75
Manitex MAC	58.5	32,740 lbs	730 @ 106 ft 4 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
Effer	340/370	15 t	1	93 ft 7 in	86 ft 6 in	106 in	9,694	16.53
Effer	350/395	15 t	1	93 ft 7 in	86 ft 6 in	106 in	9,694	16.53
Effer	440/470	15 t	1.4	78 ft 2 in	70 ft 9 in	101 in	10,126	16.53
Effer	455/505	15 t	1.4	78 ft 2 in	70 ft 9 in	101 in	10,126	16.53
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	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	8490	17.085
IMT	80/565	35,410 (16,060 kg)	6285 @ 66 ft 7 in	76 ft 9 in (23.4 m)	66 ft 11 in (20.4 m)	8 ft 2 in	12,345 (5600 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
Palfinger	PK 50002-EH	37,030	3250@68 ft 11 in	n/s	68 ft 11 in	n/s	9140	18.515

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 MAC	100 SP	42,220 lbs	1,630 @ 109 ft 9 in	120 ft	109 ft 9 in	8 ft 2 in	16,790	21.11
Effer	635/655	19.3 t	1.7	104 ft 8 in	96 ft 6 in	104 in	14,640	21.27
Effer	655/685	19.3 t	1.7	104 ft 8 in	96 ft 6 in	104 in	14,640	21.27
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	22
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	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 MAC	210 SP	48,150 lbs	1,390 @ 148 ft 11 in	160 ft 11 in	148 ft 11 in	9 ft 4 in	20,085	24.075
Palfinger	PK 63002-EH	48,500	4300@66 ft 11 in	n/s	66 ft 11 in	n/s	11111	24.25
Palfinger	PK 65002-SH	48,500	4600@66 ft 11	n/s	66 ft 11 in	n/s	11111	24.25
Palfinger	PK 100002	55,100	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	25
Palfinger	PK 76002-EH	50,710	5650@66 ft 11 in	n/s	66 ft 11 in	n/s	13029	25.355
Effer	1355	24 t	3.6	111 ft 7 in	104 ft 10 in	105 in	22,125	26.46
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 MAC	150 SP	54,010	1,210 @ 126 ft	138 ft	115 ft 2 in	8 ft 8 in	24,585	27
Fassi	F1100RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 2 in	8 ft 6 in	23,000	27.5
Fassi	F1300RA.2.28	55,115	727 lbs @ 121 ft 4 in	135 ft 2 in	79 ft 4 in	8 ft 6 in	33,500	27.5
Palfinger	PK 100002 HPLS	55,100	6170@72 ft 2 in	n/s	72 ft 2 in	n/s	19400	27.55
Palfinger	PK 78002-SH	55,120	6000@66 ft 11 in	n/s	66 ft 11 in	n/s	13025	27.56
Effer	750/850	26 t	2.2	82 ft 6 in	75 ft 9 in	98 in	16,520	28.66
Effer	955	27 t	3.1	80 ft	110 ft	106 in	17,510	28.66
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
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	30
Effer	1405	28 t	3.8	113 ft 5 in	106 ft 4 in	113 in	n/s	30.86
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
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	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	19466	33.07
Palfinger	PK 88002-EH	66,200	6500@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	33.1
Palfinger	PK 92002-SH	66,200	5800@73 ft 10 in	n/s	73 ft 10 in	n/s	14947	33.1
Effer	1750	32 t	5.9	111 ft 10 in	104 ft 9 in	114 in	30,420	35.27
Palfinger	PK 165.002 TEC	70,600	2450@118 ft 0 in	n/s	118 ft 4 in	n/s	70600	35.3
Effer	2100	37 t	17.2	42 ft 5 in	35 ft 7 in	89 in	35,375	40.79
Effer	2200	37.9 t	4.9	162 ft 1 in	141 ft 10 in	93 in	41,625	41.78
Fassi	F1950RA.2.28	66,138	727 lbs @ 120 ft 4 in	134 ft 2 in	78 ft 5 in	8 ft 6 in	40,000	44
Franna	AT 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	2750	40.7 t	15.3	58 ft 9 in	51 ft 10 in	100 in	42,018	44.86
Effer	3000 VR	50 t	18	57 ft 6 in	50 ft 10 in	100 in	48,617	55.12

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	OMNI	500 lbs @ 14 ft	22 ft	14 ft	1.75	5800	4 ft 10 in	Battery	75	1.13	1.25
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	1.36	1.5
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10500	5 ft	Battery	75	4.5	5
Bailey Cranes	BC 18	1,950 lbs @30 ft	46 ft	34 ft	5	20000	6 ft 6 in	Battery/Hybrid	75	8.16	9
Broderson	IC-20	1,200 lbs @ 15 ft	27 ft 9 in	6 ft /15 ft	5.5 mph	6,380 lbs	4 ft	D/Dual Fuel	75	2.27	2.5
Broderson	IC-35	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	7,860 lbs	5 ft	D/Dual Fuel	75	3.6	4
Broderson	IC-40	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	8,920 lbs	5 ft 4 in	D/Dual Fuel	75	4.08	4.5
Broderson	IC-80-1	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2in	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-2	3,100 lbs @ 24 ft	41 ft	9 ft 5 in - 24 ft	22 mph	16,400 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-3	2,150 lbs@ 30 ft	45 ft 8 in	11 ft 6 in - 30 ft	22 mph	16,750 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
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	RT-400	3,600 lbs. @68 ft	98 ft	21 ft 11 in - 68 ft	24 mph	51,900 lbs	8 ft 5 in	Diesel	75	18.1	20
Broderson	IC-400	1,900 lbs @ 84 ft	95 ft	18 ft - 69 ft	23 mph	54,900 lbs	8 ft 6 in	Diesel	75	22.7	25
EZ Rig Crane	EzRig	1,950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1300	2 ft 10 in	E	n/s	1	1.2
Grove	GCD09	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
Grove	GCD15	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
Grove	GCD20	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
Grove	GCD25	1,440 lbs @ 84 ft	95 ft	23/70.5 ft	19.4	45700	8 ft 1 in	D	n/s	22.7	25
Jekko	SPB209	440 lbs @ 21 in	25 in 4ft	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG	n/s	0.99	1.09
Jekko	SPB209	440 lbs @ 21in	25in 4ft	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG		0.99	1.09
Jekko	SPX312	440 lbs @ 26 in 3 ft	29 in 6ft	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG	n/s	1.2	1.32
Jekko	SPX312	440 lbs @ 26in 3ft	29in 6ft	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG		1.2	1.32
Jekko	SPD360	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	2 ft 7 in	E/LPG/D	n/s	1.98	2.18
Jekko	SPD360	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	2 ft 7 in	E/LPG/D	n/s	1.98	2.18
Jekko	MPK20	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	3 ft1 in	E	n/s	2.2	2.46
Jekko	MPK20	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	3 ft1 in	E	n/s	2.2	2.46
Jekko	SPX527	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	3 ft 7 in	D/E	n/s	2.97	3.27
Jekko	SPX527	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	3 ft 7 in	D/E	n/s	2.97	3.27
Jekko	SPX1040	1100 lbs @ 43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4 ft 7 in	D/E	n/s	4.4	4.85
Jekko	SPX1040	1100 lbs @43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4 ft 7 in	D/E	n/s	4.4	4.85
Jekko	SPK60	550 lbs @ 56 in 1 ft	82 in 4ft	16in 1ft to 58in 01ft		15.5 t	7 ft 6 in	D/E	n/s	5.99	6.61
Jekko	SPX1275	1,320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	4 ft 7 in	D/E	n/s	4.9	8
Jekko	SPX1275	1320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	4 ft 7 in	D/E	n/s	4.9	8
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

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)
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
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft10 in	D/LPG	0.85	68	75
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Maeda	MC090	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	D/E	85	0.9	0.995
Maeda	MC270	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	D/E	85	2.68	2.95
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	LPG/Gas	85	2.81	3.1
Maeda	MC285-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	D/E	85	2.81	3.1
Maeda	MC305-3	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in-41 ft 0 in	1.7	8,800	51 in	D/E	85	2.97	3.28
Maeda	MC405-3	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12,400	55 in	D/E	85	3.84	4.24
Maeda	CC1485-1	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31,747	8 ft2 in	D	75	6	6.6
Maeda	MC815	970 lbs @ 61 ft 8 in	83 ft 8 in	18 ft 1 in- 63 ft 8 in	1.99	20,855	69 in	D/E	85	8.09	8.91
Manitex	CD100	4,024 lbs @ 23 ft	40 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	9	10
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Manitex Valla	19	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	.9 t	1
Manitex Valla	25 EL	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	2.25	2.5
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	5,300	37 in	Battery	125	2.5	2.75
Manitex Valla	35 EVO	660 lbs @ 16 ft	23 ft	90	3.2	5,510	39 in	Battery	125	3.5	3.85
Manitex Valla	50	1760 lbs @ 16 ft	25 ft	106	5.6	12,120	55 in	Battery/Diesel	125	5	5.5
Manitex Valla	75	1980 lbs @ 17 ft	26 ft	133	5.6	13,450	68 in	Battery/Diesel	125	7.5	8.25
Manitex Valla	V80R	2,200 lbs @ 18 ft	30.8 ft	n/s	5.6	16,940	55 in	Battery	125	8	8.8
Manitex Valla	90	3960 lbs @ 18 ft	26 ft	144	5.6	19,480	68 in	Battery/Diesel	125	9	9.9
Manitex Valla	120	3970 lbs @ 25 ft	33 ft	159	5.6	30,850	82 in	Battery/Diesel	125	12	13.2
Manitex Valla	180	6600 lbs @ 24 ft	35 ft	176	5	41,850	86 in	Battery/Diesel	125	18	19.8
Manitex Valla	250	4180 lbs @ 33 ft	45 ft	191	5	53,350	90 in	Battery Diesel	125	25	27.5
Manitex Valla	400	18070 lbs @ 24 ft	36 ft	223	5	70,550	92 in	Battery/Diesel/Hybrid	125	40	44
Ormig	5.5TME	0.75@6	9.10 m	3.8/8.8	6.25 km/h	7.1 t	1.6	E	n/s	5.5	6.06
Ormig	10TM	2.05@6	8.8 m	4.56/9.56	13.79 km/h	10.4 t	2.25	D	n/s	10	11.02
Ormig	10TME	2.05@6	8.8 m	4.56/9.56	10.23 km/h	10.7 t	2.25	E	n/s	10	11.02
Ormig	16TM	2.4@7	10.6 m	4.77/10.97	32.05 km/h	14.1 t	2.35/2.5	D	n/s	16	17.64
Ormig	16TME	2.4@7	10.6 m	4.77/10.97	12.19 km/h	14.4 t	2.,35/2.5	E	n/s	16	17.64
Ormig	25TME	4.2@7.7	12.4 m	5.4/12.4	10.34 km/h	20.5	2.5	E	n/s	25	27.56
Ormig	20/25TM	4.2@7.7	12.8 m	5.4/12.4	27.50 km/h	18 t	2.5	D	n/s	20/25	27.56
Ormig	30iE	10582lbs@26ft	40 ft	16.5-40ft	3.9	39,683	6 ft 10 in	E	n/s	30	33.07
Ormig	33TM	5@8.5	14.6 m	6.5/14	25 km/h	28 t	2.55	D	n/s	33	36.8
Ormig	33TME	5@8.5	14.6 m	6.5/14	7.08 km/h	28.8 t	2.5	E	n/s	33	36.8
Ormig	45TME	7,9@9	14.2 m	6.38/14.38	5.37 km/h	29 t	2.75	E	n/s	45	49.59
Ormig	50/55TM	mt 8.9@9m	14.2 m	6.38/14.38	26.70 km/h	29 t	2.75	D	n/s	50/55	60.63
Ormig	60TM	10.3@10.5	15.80 m	7.0/16.5	25.60 km/h	36 t	3.00	D	n/s	60	66.1

INDUSTRIAL CRANES BY MANUFACTURER

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
Ormig	55/60iE	8.7 @ 8.5 mt						E		60	66.1
Ormig	75TM	23148 lbs@34 ft	51 ft	22-54ft	15.9	79,366	9ft 9in	D	n/s	75	82.67
Riggers Manufacturing	TL100	39,000 lbs @ 108 in	24.75 ft	0-12 ft	1.7	38,000	6 ft 1 in	D/LPG	n/s	45	50
Riggers Manufacturing	TL150BW	56,000 lbs @ 120 in	24.75 ft	0-12 ft	1.7	40,000	7 ft 7 in	D/LPG	n/s	68	75
Riggers Manufacturing	TL220BW	83,700 lbs @ 120 in	24.75 ft	0-12 ft	1.7	58,000	8 ft 6 in	D/LPG	n/s	100	110
Spydercrane	URW205S	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
Spydercrane	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
Spydercrane	URW506	390 lbs @ 49.9	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
Spydercrane	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2
Spydercrane	URW376	280 lbs @ 47.3 ft	58 ft w/ jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
Spydercrane	URW547	220 lbs @ 58.5	64 ft	13.1 ft -59.1 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	4.04	4.5
Spydercrane	URW706	550 lbs @ 61 ft	80 ft w/ jib	15.7 ft - 63 ft	2.5	17,600 - 18,000	64 in	220V/D/110V/Battery	n/s	6.04	6.7
UPequip/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1,500	29.5 in	Battery	125	0.7	0.7
UPequip/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4,730	29.5 in	D/E	125	2.4	2.6
UPequip/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6,170	29.5 in	D/E /Battery	125	3.1	3.5
UPequip/Hoeflon	C10	460 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.88	10,358	31.5 in	D/E	125	5.2	4.5
UPequip/Hoeflon	C30	885 lbs @ 65 ft	72 ft	12 ft 5 in/66 ft	1.25	19,800	48 in	Battery	125	9.9	4.5

INDUSTRIAL CRANES BY CAPACITY

Manufacturer	Model	Load at Max Radius (mt@m) or (lbs@ft)	Max Hook Height (m) or (ft)	Boom Length Minimum/Max (m/m) or (ft/in)	Max Travel Speed (mph) or (km/h)	Normal Travel Weight (t) or (lbs)	Width (m/m) or (ft/ in)	Power Source (E/D/LPG)	Tipping Load (%)	Max Lift Capacity (metric tons)	Max Lift Capacity (US tons)
UPequip/Hoeflon	C1	305lbs @ 13 ft	16 ft	5 ft/13 ft	1.88	1,500	29.5 in	Battery	125	0.7	0.7
Bailey Cranes	Junior	700 lbs @ 11 ft	19 ft	11 ft	1.75	4300	34.5 in	Battery	75	0.88	0.97
Bailey Cranes	Brandon 6E	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	0.88	0.97
Maeda	MC090	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	D/E	85	0.9	0.995
Manitex Valla	19	880 lbs @ 10 ft	15 ft	83	2.5	4,400	37 in	Battery	125	.9 t	1
Jekko	SPB209	440 lbs @ 21 in	25 in 4ft	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG	n/s	0.99	1.09
Jekko	SPB209	440 lbs @ 21in	25in 4ft	6 to 20 ft	n/s	1.6 t	2 ft 7 in	E/G/LPG		0.99	1.09
EZ Rig Crane	EzRig	1,950 lbs@20 ft	26 ft	9.75/21 ft	n/s	1300	2 ft 10 in	E	n/s	1	1.2
Bailey Cranes	OMNI	500 lbs @ 14 ft	22 ft	14 ft	1.75	5800	4 ft 10 in	Battery	75	1.13	1.25
Jekko	SPX312	440 lbs @ 26 in 3 ft	29 in 6ft	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG	n/s	1.2	1.32
Jekko	SPX312	440 lbs @ 26in 3ft	29in 6ft	7 to 25 ft	n/s	1.98 t	2 ft 7 in	E/G/LPG		1.2	1.32
Bailey Cranes	Brandon 6	1,000 lbs @ 12 ft	19 ft	12 ft	1.75	5500	34.5 in	Battery	75	1.36	1.5
Jekko	SPD360	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	2 ft 7 in	E/LPG/D	n/s	1.98	2.18
Jekko	SPD360	880 lbs @ 25 ft	42 ft	5 to 25 ft	n/s	2.7 t	2 ft 7 in	E/LPG/D	n/s	1.98	2.18
JMG	MC20	550 lbs @ 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
Jekko	MPK20	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	3 ft1 in	E	n/s	2.2	2.46
Jekko	MPK20	380 lbs @ 8 ft	15 ft	4 to 12 ft	n/s	2.2 t	3 ft1 in	E	n/s	2.2	2.46
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	4,400	37 in	Battery	125	2.25	2.5
UPequip/Hoeflon	C4	317lbs @ 42 ft	46 ft	8 ft/ 42 ft	1.88	4,730	29.5 in	D/E	125	2.4	2.6
JMG	MC20S	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11 ft	20 ft	10ft /12in 11ft	3	5,500	3in 1 ft	E	n/s	2.5	2.75
JMG	MC20S	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	2.5	5,500	3in 1ft	E	n/s	2.5	2.75
JMG	MC25	600 lbs @ 12in 11ft	20 ft	10ft /12in 11ft	3	5,500	3in 1ft	E	n/s	2.5	2.75
Manitex Valla	25 E	1100 lbs @ 10 ft	15 ft	83	2.5	5,300	37 in	Battery	125	2.5	2.75
Spydercrane	URW205S	460 lbs @ 24.1 ft	27 ft	8.3 ft - 24.9 ft	1.5	4,100 - 4,500	24 in	220V/D/G/LPG/110V/Battery	n/s	2.6	2.9
Spydercrane	URW306	280 lbs @ 47.3 ft	52 ft	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.6	2.9
Spydercrane	URW506	390 lbs @ 49.9	55 ft	13.1 ft - 49.9 ft	2.5	11,000 - 11,400	54 in	220V/D/110V/Battery	n/s	2.6	2.9
Maeda	MC270	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	D/E	85	2.68	2.95
Maeda	MC285-2	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	LPG/Gas	85	2.81	3.1
Maeda	MC285-3	330 lbs @ 26 ft 10 in	31 ft 10 in	8 ft 3 in-28 ft 1 in	1.36	4,325	30 in	D/E	85	2.81	3.1
Spydercrane	URW295	350 lbs @ 27.59 ft	37 ft w/ jib	8.3 ft - 28.4 ft	1.5	4,200 - 4,600	24 in	220V/D/G/LPG/110V/Battery	n/s	2.9	3.2

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	SPX527	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	3 ft 7 in	D/E	n/s	2.97	3.27
Jekko	SPX527	550 lbs @ 40 ft	57 ft	8 to 40 ft	n/s	4 t	3 ft 7 in	D/E	n/s	2.97	3.27
Maeda	MC305-3	570 lbs @ 39 ft 6 in	47 ft 0 in	12 ft 1 in-41 ft 0 in	1.7	8,800	51 in	D/E	85	2.97	3.28
Spydercrane	URW376	280 lbs @ 47.3 ft	58 ft w/ jib	11.5 ft - 48 ft	2.5	8,500 - 8,900	52 in	220V/D/110V/Battery	n/s	2.93	3.3
JMG	MC32	1030 lbs @ 13in 1 ft	22 ft	11ft /13in 1ft	3	6,750	3in 2 ft	E	n/s	3.18	3.5
JMG	MC32	1030 lbs @ 13in 1ft	22 ft	11ft /13in 1ft	3	6,750	3in 2ft	E	n/s	3.18	3.5
UPequip/Hoeflon	C6	465lbs @ 45 ft	52 ft	8 ft-4 in / 46 ft	1.88	6,170	29.5 in	D/E /Battery	125	3.1	3.5
Manitex Valla	35 EVO	660 lbs @ 16 ft	23 ft	90	3.2	5,510	39 in	Battery	125	3.5	3.85
Broderson	IC-35	1,850 lbs @ 19 ft	33 ft	7 ft 2in - 19 ft 2in	10 mph	7,860 lbs	5 ft	D/Dual Fuel	75	3.6	4
Maeda	MC405-3	500 lbs @ 52 ft 5 in	67 ft 11 in	15 ft 6 in-54 ft 0 in	2.05	12,400	55 in	D/E	85	3.84	4.24
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
Jekko	SPX1040	1100 lbs @ 43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4 ft 7 in	D/E	n/s	4.4	4.85
Jekko	SPX1040	1100 lbs @43 ft	75 ft	10 to 43 ft	n/s	6.1 t	4 ft 7 in	D/E	n/s	4.4	4.85
JMG	MC40S	1750 lbs @ 14in 5 ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11 ft	23 ft	8ft /13in 11ft	5	10,500	5in 1 ft	E	n/s	4.5	4.95
JMG	MC40S	1750 lbs @ 14in 5ft	23 ft	8ft /14in 5ft	3	10,560	3in 11ft	E	n/s	4.5	4.95
JMG	MC45	1750 lbs @ 13in 11ft	23 ft	8ft /13in 11ft	5	10,500	5in 1ft	E	n/s	4.5	4.95
Bailey Cranes	Brandon 10	1,000 lb @ 20 ft	29 ft	20 ft	5	10500	5 ft	Battery	75	4.5	5
Manitex Valla	50	1760 lbs @ 16 ft	25 ft	106	5.6	12,120	55 in	Battery/Diesel	125	5	5.5
Ormig	5.5TME	0.75@6	9.10 m	3.8/8.8	6.25 km/h	7.1 t	1.6	E	n/s	5.5	6.06
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5 ft	E	n/s	6	6.6
JMG	MC60	2100 lbs @ 18in 1ft	28 ft	1in 8ft /18in 1ft	5	14,300	5in 5ft	E	n/s	6	6.6
Maeda	CC1485-1	940 lbs @ 52 ft 10 in	72 ft 2 in	15 ft 6 in-53 ft 4 in	1.99	31,747	8 ft2 in	D	75	6	6.6
Jekko	SPK60	550 lbs @ 56 in 1 ft	82 in 4ft	16in 1ft to 58in 01ft		15.5 t	7 ft 6 in	D/E	n/s	5.99	6.61
Spydercrane	URW706	550 lbs @ 61 ft	80 ft w/ jib	15.7 ft - 63 ft	2.5	17,600 - 18,000	64 in	220V/D/110V/Battery	n/s	6.04	6.7
Jekko	SPX1275	1,320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	4 ft 7 in	D/E	n/s	4.9	8
Jekko	SPX1275	1320 lbs @ 52 ft 6 in	87 ft	16 to 58 ft	n/s	11 t	4 ft 7 in	D/E	n/s	4.9	8
Manitex Valla	75	1980 lbs @ 17 ft	26 ft	133	5.6	13,450	68 in	Battery/Diesel	125	7.5	8.25
Manitex Valla	V80R	2,200 lbs @ 18 ft	30.8 ft	n/s	5.6	16,940	55 in	Battery	125	8	8.8
Maeda	MC815	970 lbs @ 61 ft 8 in	83 ft 8 in	18 ft 1 in- 63 ft 8 in	1.99	20,855	69 in	D/E	85	8.09	8.91
Bailey Cranes	BC 18	1,950 lbs @30 ft	46 ft	34 ft	5	20000	6 ft 6 in	Battery/Hybrid	75	8.16	9
Broderson	IC-80-1	3,800 lbs @ 20 ft	37 ft 5 in	8 ft 2 in - 20 ft 2in	22 mph	16,200 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-2	3,100 lbs @ 24 ft	41 ft	9 ft 5 in - 24 ft	22 mph	16,400 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Broderson	IC-80-3	2,150 lbs@ 30 ft	45 ft 8 in	11 ft 6 in - 30 ft	22 mph	16,750 lbs	6 ft 6 in	D/Dual Fuel	75	8.16	9
Grove	GCD09	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 Valla	90	3960 lbs @ 18 ft	26 ft	144	5.6	19,480	68 in	Battery/Diesel	125	9	9.9
Manitex	CD100	4,024 lbs @ 23 ft	40 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	9	10
Manitex	CD110	2,300 lbs @ 32 ft	53 ft	n/s	17.9 mph	16,535 lbs	6 ft 4 in	D/LPG	85	10	11
Ormig	10TM	2.05@6	8.8 m	4.56/9.56	13.79 km/h	10.4 t	2.25	D	n/s	10	11.02
Ormig	10TME	2.05@6	8.8 m	4.56/9.56	10.23 km/h	10.7 t	2.25	E	n/s	10	11.02
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5 ft	E/D	n/s	11	12.1
JMG	MC110	4400 lbs @ 23in 6ft	35 ft	3in 3ft /23in 6ft	5	29,650	6in 5ft	E/D	n/s	11	12.1
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
Grove	GCD15	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	16TM	2.4@7	10.6 m	4.77/10.97	32.05 km/h	14.1 t	2.35/2.5	D	n/s	16	17.64
Ormig	16TME	2.4@7	10.6 m	4.77/10.97	12.19 km/h	14.4 t	2.,35/2.5	E	n/s	16	17.64
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9 ft	E	n/s	16.04	17.65
JMG	MC160	6200 lbs @ 24in 7ft	36 ft	3in 3ft /24in 7ft	5	41,000	6in 9ft	E	n/s	16.04	17.65
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	RT-400	3,600 lbs. @68 ft	98 ft	21 ft 11 in - 68 ft	24 mph	51,900 lbs	8 ft 5 in	Diesel	75	18.1	20

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)
Grove	GCD20	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
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	1,900 lbs @ 84 ft	95 ft	18 ft - 69 ft	23 mph	54,900 lbs	8 ft 6 in	Diesel	75	22.7	25
Grove	GCD25	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	25TME	4.2@7.7	12.4 m	5.4/12.4	10.34 km/h	20.5	2.5	E	n/s	25	27.56
Ormig	20/25TM	4.2@7.7	12.8 m	5.4/12.4	27.50 km/h	18 t	2.5	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	39,683	6 ft 10 in	E	n/s	30	33.07
Ormig	33TM	5@8.5	14.6 m	6.5/14	25 km/h	28 t	2.55	D	n/s	33	36.8
Ormig	33TME	5@8.5	14.6 m	6.5/14	7.08 km/h	28.8 t	2.5	E	n/s	33	36.8
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/Diesel/Hybrid	125	40	44
Ormig	45TME	7,9@9	14.2 m	6.38/14.38	5.37 km/h	29 t	2.75	E	n/s	45	49.59
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\
Riggers Manufacturing	TL100	39,000 lbs @ 108 in	24.75 ft	0-12 ft	1.7	38,000	6 ft 1 in	D/LPG	n/s	45	50
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	mt 8.9@9m	14.2 m	6.38/14.38	26.70 km/h	29 t	2.75	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
Ormig	60TM	10.3@10.5	15.80 m	7.0/16.5	25.60 km/h	36 t	3.00	D	n/s	60	66.1
Ormig	55/60iE	8.7 @ 8.5 mt						E		60	66.1
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft 11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft 10 in	D/LPG	0.85	68	75
Lift Systems	MBL075	18,800 lbs@35 ft	44 ft	20-44 ft	1.7	49,000	7 ft11 in	D/LPG	0.85	68	75
Lift Systems	TWL075	30,200 lbs@22.5 ft	37.5 ft	16.5-36.5 ft	1.7	48,000	7 ft10 in	D/LPG	0.85	68	75
Riggers Manufacturing	TL150BW	56,000 lbs @ 120 in	24.75 ft	0-12 ft	1.7	40,000	7 ft 7 in	D/LPG	n/s	68	75
Ormig	75TM	23148 lbs@34 ft	51 ft	22-54ft	15.9	79,366	9ft 9in	D	n/s	75	82.67
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft 6 in	D/LPG	0.85	100	110
Riggers Manufacturing	TL220BW	83,700 lbs @ 120 in	24.75 ft	0-12 ft	1.7	58,000	8 ft 6 in	D/LPG	n/s	100	110
Lift Systems	MBL110	29,200 lbs@35 ft	44 ft	21-45 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110
Lift Systems	TWL110	38,900 lbs@24.5 ft	39 ft	16.5-36.5 ft	1.7	70,000	8 ft6 in	D/LPG	0.85	100	110

RUBBER TIRED GANTRY CRANES BY MANUFACTURER

Manufacturer	Model	Standard Inside Clear Height/ Hook Height (ft)	Standard Inside Clear Width/ Hook Height (ft)	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
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

SC&RA AWARDS

RECOGNIZING WORLDWIDE EXCELLENCE IN THE SPECIALIZED TRANSPORTATION, CRANE AND RIGGING INDUSTRY.

CATEGORIES INCLUDE:

JOB OF THE YEAR

DRIVER OF THE YEAR

CRANE OPERATOR SAFETY

LONGEVITY

ENTRIES NOW BEING ACCEPTED!

APPLY ONLINE AT WWW.SCRANET.ORG/AWARDS BY FEBRUARY 28, 2020

SC&RA Specialized Carriers & Rigging Association

OUR MEMBERS LIFT & MOVE THE WORLD

KWS INC.

A member of the THIELE-Group

GK8 Grade 80

Superior XLT Grade 100

GRADE 80 AND GRADE 100
OBLONG MASTER LINKS & ASSEMBLIES

TWN 1803

TWN 1804

TWN 1815

NEW RATINGS

- HIGHER WLL for Grade 80 and Grade 100 Master Links and - Assemblies

NEW SIZES

- Grade 80 Master Links now available up to diameter 4 ¼"
- Grade 100 Master Links now available up to diameter 2 ¾"

KWS Inc. · P.O. Box 470487 · Tulsa OK 74147
Toll Free 800-872-9313 · phone (918) 665-4114
www.kwschain.com · sales@kwschain.com · fax (918) 665-4118

REGISTER FOR THE **FREE** DIGITAL ISSUE

Delivered instantly anywhere in the world

Interactive **Searchable** **Archiveable**

For more details and to register for your own, **FREE**, digital copies go to:

www.khl.com

khl

INFORMATION THAT BUILDS AND POWERS THE WORLD www.khl.com

ALE
1650 Highway 6, Suite 140
Sugar Land, TX, 77478 USA
(713) 946-3125
Russel Quebedeaux, U.S. Key Accounts Manager
www.ale-heavylift.com
ALE is one of the leading international heavy transport and installation contractors with a large fleet of heavy cranes, specialized transport and installation equipment.

America's Trailer Company/ Cozad Trailers
4907 Waterloo Road
Stockton, CA 95215 USA
(209) 931-3093
Tom Pistacchio, Owner
www.cozadtrailers.com; americastrailercompany.com
Cozad produces specialized and heavy haul trailers in the 35- to 85-ton capacity range.

Aspen Custom Trailers
3914 81 Avenue
Leduc, Alberta, Canada T9E 0C3
(780) 980-1925
Phil Johnston, President
Murray Johnston, Founder
www.aspentrailer.com
Aspen's portfolio ranges from 25 ton tandem trailers to 300 ton mining and multi axle steering transporters.

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

Cometto S.p.A.
12011 Borgo S. Dalmazzo
Cuneo Via Cuneo, 20 Italy
+39 0171 263300
www.cometto.com
Cometto is a specialist for the development and manufacturing of heavy load modules and self-propelled modular vehicles for service loads of up to 15,000 tons and over. They also offer special self-propelled heavy load transporters for industrial applications.

Durabilt by Durbin
2545 South 25th Ave
Broadview, IL 60155 USA
(708) 223-0258
Carol Meyer, VP Sales & Marketing
www.durabiltusa.com
Durabilt is a manufacturer of USA certified load lashing and securement systems for cargo control and material handling products for industrial and rigging uses.

E.D. Etnyre & Co.
1333 S. Daysville Road
Oregon, IL 61061 USA
(800) 995-2116
Kevin Sassaman, Product Manager
www.etnyre.com
The E.D. Etnyre Company is a manufacturer of 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
14859 Hwy. 27
Lake Wales, FL 33859 USA
(800) 257-8163
Tina Flowers, National Sales Manager
www.EBTrailers.com
Eager Beaver manufactures lowbed and equipment hauling semitrailers from 6 to 100-ton capacity for the North/South American market. Eager Beaver Trailers is a registered brand name of General Engines Co.

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

Enerpac
N86W12500 Westbrook Crossing
Menomonee Falls, WI 53051 USA
(262) 293-1600
Peter Crisci, 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
300 Industrial Blvd.
Russelville, AR 72802 USA
(844) 474-4448
Christopher E. Cox, P.E., President
www.engineeredrigging.com
Engineered Rigging produces pipe modular lift systems, SPMTs, power slide systems, torpedo car jack and slide systems, gantries and modular jacking towers.

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.

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

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

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

Goldhofer Inc.
7401 Riviera Boulevard
Miramar, FL 33023
(954) 433-5617
Stefan Kohler, Vice President of Sales, Transport Technology
www.goldhofer.de
Goldhofer is a global manufacturer of specialized transportation equipment in the field of general and heavy-duty road haulage and oversized cargo transportation. They offer a range of products, including trailers, semitrailers, modular heavy-duty vehicles, self-propelled tractors, transport equipment for wind power plants and aircraft tractors.

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

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

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

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

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

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

KTSDI-Kessler
801 E Middletown Road
North Lima, OH 44452 USA
(330) 783-2000
Ken Timmings, Manager
www.ktsdi.com
KTSDI is an ISO 9001:2015 certified company as well as the North American representative

and authorized spare parts and service provider for Kessler + Co, Mobil Elektronik, Alfred Heyd and Neumeister. KTSDI provides vehicle solutions for a variety of OEM applications.

K-Line Trailers Ltd.
27360 - 58th Crescent
Langley BC V4W 3W7 Canada
(604) 856-7899
David Knight, President
www.klinetrailers.com
K-Line builds specialized dump bodies and lowbeds, and a line of heavy haul trailers that serve 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
www.loadkingmfg.com
As a key part of the Custom Truck One Source family of brands, Load King offers a complete line of custom designs as well as standard model trailers through their world-class dealer network.

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

Nelson Manufacturing
6448 State Route 224
Ottawa, OH 45875 USA
(419) 523-5321
Tony Niese, President
www.nelsontrailers.com
Nelson Manufacturing is North America's premier manufacturer of custom semi-trailers, boom dollies, and boom launch trailers. Nelson has been in business since 1947.

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

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

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

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

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

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

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

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

Temisko 1983 Inc.
91 Ontario Street
Notre-Dame du Nord QC J0Z 3B0 Canada
(819) 723-2416
www.temisko.com
Temisko produces custom-designed and manufactured semi-trailers for the general market as well as specialized haulers.

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

Tradelossa
Cobalto #6 Colonia Industrial
Durango, Durango, 34229, Mexico
(713) 931-6552
Carlos Carcamo, Sales Manager
www.tradelossa.com
Tradelossa is a transport solutions specialist for large and heavy loads coming from Mexico and Central America to other countries and vice versa.

Trail King Industries Inc.
300 East Norway Avenue Mitchell, SD 57301 USA
(800) 843-3324
Mike Heschke, Dir. of International Market Development
www.trailking.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.traileze.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 for an *ACT* Sourcebook Survey Form.

H&E Equipment Services

YOUR FULL-SERVICE **CRANE DEALER**

RENTALS / SALES / PARTS / SERVICE

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

- Largest Grove and Manitowoc dealer
- Crane Sales and Product Support Experts
- Factory-Authorized Remanufacturing / Structural Repair
- Factory-Authorized Component Rebuilds
- Tier 4 Engine Repowers
- Factory-Trained Technicians
- In-Shop and Mobile Service
- Largest New Inventory and Rental Fleet
- New and Used Manitowoc Parts
- Comprehensive New and Used Parts Inventory
- 34 crane locations, 8 remanufacturing centers

EnCORE
Rebuild. Repair. Remanufacture. Exchange.

Manitowoc Crane Care

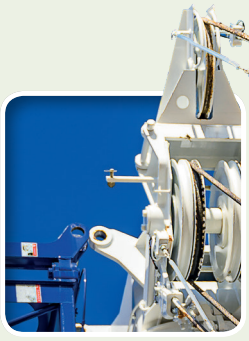
GROVE by Manitowoc · NATIONAL CRANE by Manitowoc · Manitowoc

Manitex · MARINE TRAVELIFT INC · EFFER

Give us a call today!

877-HE-CRANE

HE-EQUIPMENT.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 148

Product Support/Repair 140

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

AUCTIONS/USED CRANE SALES

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

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

CONTROL DEVICES

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

CONTROL DEVICES continued

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

CRANE MANUFACTURERS

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

Effer North America	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 916-6461	www.efferusa.com	Timothy Smith President
Elliott Equipment Company	4427 South 76th Circle Omaha, NE 68127	USA	(402) 592-4500	www.elliottequip.com	Jim Glazer President
Enerpac	N86W12500 Westbrook Crossing Menomonee Falls, WI 53051	USA	(262) 293-1684	www.enerpac.com	Peter Crisci Global Business Development Leader
EZ Rig Crane	1500 Palma Dr. 2nd Floor. Ventura, CA 93003	USA	(800) 643-4387	www.ezrigcrane.com	Ray Neria Sales Manager
Fascan Intenational Inc.	4517 North Point Blvd. Baltimore, MD 21219	USA	(800) 632-7226	www.fascan.com	Bernie Faloney President/CEO
Favelle Favco	26360 FM 106 Harlingen, TX 78550	USA	(956) 428-7488	www.favellefavco.com	Michael Khoo President
Fischer Crane Co.	585 E South Frontage Road Bolingbrook, IL 60440	USA	(630) 739-6900	www.fischercrane.com	Lee O'Hara President
FM Gru	6330 148th Street Surrey, BC V3S 3C4	Canada	(604) 599-4200	www.fmgru.it	
Global Crane/Zoomlion	14702 Jersey Shore Drive, Houston, TX 77040	USA	(832) 460-3939	www.globalcranes.com	
Giuffre Bros. Cranes, Inc.	6635 South 13th Street Milwuakee, 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 Vandermolen Sales
Jost Cranes GmbH & Co. KG	Herzogplatz 30 85604 Zorneding	Germany	+49 8106 9995580	www.jost-cranes.com	Alexander Jost Managing Director
Kobelco Cranes North America	10845 Train Court Houston, TX 77041	USA	(713) 856-5755	www.kobelcocranes norhtamerica.com	Jack Fendrick Vice President
Koenig Cranes North America	2190 A- Carpenter Street Abbotsford, BC V2T 4X2	Canada	(877) 852-2192	www.koenigcranes.com	John Majernik Specialist
Lampson International	607 E. Columbia Drive Kennewick, WA 99336	USA	(509) 586-0411	www.lampsoncrane.com	William Lampson President & CEO
Liebherr Cranes Inc.	4100 Chestnut Avenue Newport News, VA 23607	USA	(757) 933 2185	www.liebherr.com	Gerd Booch Area Sales Manager
Liebherr Canada	1015 Sutton Drive Burlington, ON L7L 5Z8	Canada	(800) 387-3922	www.liebherr.com	Tim Petersen Product Manager
Liebherr Cranes 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
Linden Comansa America	11608 Downs Road Pineville, NC 28134	USA	(704) 588-7729	www.lcacranes.com	Bill Carbeau Vice President
Link-Belt Construction Equipment	2651 Palumbo Drive Lexington, KY 40509	USA	(859) 263-5200	www.linkbelt.com	Melvin Porter President
Maeda USA	8505 South Loop East Houston, TX 77017	USA	(713) 715-1500	www.maedausa.com	Tony Inman President
Mammoet USA	20525 F.M. 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	Jacques Stoof Managing Director
Mammoet Canada East	2 Bluewater Road Suite 246, B4B 1G7 Bedford, Nova Scotia	Canada	(902) 450-0550	www.mammoet.com	

CRANE MANUFACTURERS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Mammoet Canada West	12920 – 33 Street NE T6S 1H6 Edmonton, Alberta	Canada	(780) 449-0552	www.mammoet.com	
Manitex International	9725 Industrial Drive Bridgeview, IL 60455	USA	(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	Barry Pennypacker President
Marine Travelift International Ltd.	12 Stratfield Park Waterlooville, Hants PO7 7XN	UK	44 (0) 2392 230 811	www.marinetravelift.com	Jason Johnson Sales Manager
Mi-Jack Products, Inc.	3111 W. 167th St. Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager
New Dafang Heavy Industry S&T Co. Ltd.	401 E 34th Street N28C New York, NY 10016	USA	(212) 845-1100		
North American Lifting Equipment (Effer)	307 Munroe Falles Avenue Cuyahoga Falls, OH 44221	USA	(330) 929-3303	www.efferusa.com	Timothy Smith President
ORMIG SpA	Piazzale Ormig, Regione Carlovini 12/A Ovada, AL 15076	Italy	39 0143 80051	www.ormig.com	Gian Paolo Aschero
Palfinger North America	PO Box 846 Niagara Falls, ON L2E 6V6	Canada	(905) 374-3363	www.palfingernorthamerica.com	Darrell Messman Manager
PM Group S.P.A	Via G. Verdi 22	Italy	39 059 936811	www.pm-group.eu	Stefano Ghesini Vice President
QMC Hydraulic Cranes	18071 Mt. Washington St Fountain Valley, CA 92708	USA	(800) 331-7959	www.qmccranes.com	Rex McAfee Manager
Riggers Manufacturing Company	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
Rigging Gear Sales, Inc.	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Bruce Forster President
Sany America	318 Cooper Circle South Peachtree City, GA 30269	USA	(678) 251-2810	www.sanyamerica.com	Xiang Wenbo President
Sarens USA	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America
Shuttlelift	49 E Yew Street Sturgeon Bay, WI 54235-1976	USA	(920) 743-8650	www.shuttlelift.com	Kurt Minten Director
Spydercrane Sales	5326 W. Mohave Street Phoenix, AZ 85043	USA	(623) 215-1000	www.spydercrane.com	
Stellar Industries Inc.	PO Box 169 Garner, IA 50438	USA	(641) 923-3741	www.stellar-industries.com	David Zrostilk President
Tadano America Corp.	4242 W. Greens Road Houston, TX 77375	USA	(281) 869-0030	www.tadanoamerica.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	Todd Yager 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	Matthew Dobbs Director of Sales & Marketing

CRANE MATS, PADS & CRIBBING

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
AlturnaMATS	701 E Spring St, Mailbox #9 Titusville, PA 16354	USA	(800) 438-9336	www.alturnamats.com	Jack Roser President
American Mat & Timber Co.	6422 McGrew Houston, TX 77087	USA	(800) 671-0694	www.americanmatandtimber.com	Mike Robbins Owner
Beasley Forest Products Inc.	P O Box 788 Hazlehurst, GA 31539	USA	(912) 375-5174	www.beasleyforestproducts.com	Rabun Beasley Owner
Better Header	10 Dunton Avenue Deer Park, NY 11729	USA	(631) 242-1962	www.betterheader.com	Mark Foscolo Principal
Bigfoot Construction Equipment Inc.	1111 Broadway Court Woodstock, IL 60098	USA	(888) 743-7320	www.outriggerpads.com	Jeff Steiner Owner
Bridgewell Resources	10200 SW Greenburg Road Tigard, OR 97223	USA	(503) 872-3404	www.cranemats.com	Vince Walters General Manager
Carolina Mat Inc.	P O Box 339 Plymouth, NC 27962	USA	(252) 793-4045	http://www.carolinamat.com	Ronald Harrison Owner
Composite Advantage	401 Kiser Street Dayton, OH 45404-1639	USA	(937) 723-9031	www.compositeadvantage.com	Scott Reeve President
CraneWorks, Inc.	7795 East Little York Road Houston, TX 77016	USA	(281) 219-7779	www.craneworks.com	Keith Ayers CEO
DICA Outrigger Pads	104 Industrial Road Guthrie Center, IA 50115	USA	(800) 610-3422	www.dicausa.com	Kerry Koberg Strategic Accounts Manager
DIXIEMAT	216 Herring Rd Sandy Hook, MS 39478	USA	(800) 927-2059	www.dixiemat.com	Stephanie Mayfield Marketing Director
Fuqua Sawmill, Inc.	1761 NW 34th Ave. Ocala, FL 34475	USA	(352) 629-4713	www.cranematsflorida.com	Larry Fuqua Owner
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.megadeckmats.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.sterlinglumber.com	Carson Sterling Owner
The Mat Rental Company	15237 County Road 20 Jemison, AL 35085	USA	(205) 646-0316	www.matrentalco.com	Janice Harris General Manager
Turtle Plastics	7400 Industrial Parkway Lorain, OH 44053	USA	(800) 756-6635	www.turtleplastics.com	Jennifer Naelitz, Executive Assistant to the President

CRANE MATS, PADS & CRIBBING continued

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

ENGINEERING SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
2DM Asssociates	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 Industryal Drive New Britain, PA 18901	USA	(215) 230-4260	www.chantengineering.com	Phil Chant President
Haag Engineering	625 Industrial Blvd Sugarland, TX 774789	USA	(281) 313-9700	www.haagglobal.com	Jim Wiethorn Chairman
Howard Shapiro & Associates	303 Merrick Road Suite 400 Lynbrook, NY 11563	USA	(516) 791-2600	www.hisassoc.com	Howard Shapiro, P.E.
Landmark Engineering	2489 Rice Street, Suite 204, Roseville, MN 55113	USA	(651) 482-9750	www.landmarkengineering services.com	Ronald M. Kohner President
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.barneyspilotcar.com	
Cheyenne's Pilot Cars Inc.	P.O. Box 122 Brookeville, MD 20833	USA	(301) 774-9061	www.cheyennespilotcars.com	Jennifer Jeffries & Katherine Phipps Co-owners
Comdata Network	5301 Maryland Way Brentwood, TN 37027	USA	(615) 376-6822	www.comdata.com	Gladys Work Sales
Diamond Plus Specialized	1 William Street S Clifford, Ontario NOG 1MO	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.highwideenheavy.com	John Incontrera President
Interstate Flag Car Inc.	1358 Greenbag Road Morgantown, WV 26508	USA	(304) 296-8111		Herold Berthy, Jr., President
Jim's Pilot Car Services	3619 W Smith Ferry Road Muskogee, OK 74401	USA	(918) 682-9636	www.jimpilotcar.com	Jimmy Lee Owner
Kenco Bucket Trucks, LLC	P.O. Box 478 Channelview, TX 77530	USA	(281) 459-3100	www.highloads.com	Kenny Mungle Owner
Landstar Carrier Group	13410 Sutton Park Drive, South, Jacksonville, FL 32224-5270	USA	(800) 872-9400	www.landstar.com	Michael Cashner Vice President
Linda's Truck Escorting Service, Inc.	7321 Ringertown Road Export, PA 15632	USA	(724) 468-5019		Linda L. Kuhn President
Morrell Oversize	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	morrelloversize.com	Terry Morrell Owner

National Pilot Car Safety Institute	2233 NE 244th Ave., Suite E-4, Wood Village OR 97060	USA	(503) 328-8520	www.npcsi.net	Steven Barnes Director
New York Truck Escort & Permits, Inc.	792 Frankford Road West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckescorts.com	Maureen Mandich President
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 Burgesss Communications Mgr.
WCS Permits	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Mollno President
Wheeling Equipment Company	4407 Opelousas Street Lake Charles, LA 70615	USA	(800) 555-1212	www.wheelingequipment.com	Terry Graham President

FALL PROTECTION

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Bairstow Lifting Products Co., Inc.	1785 Ellsworth Industrial Dr. Atlanta, GA 30318	USA	(800) 241-8990	www.bairstow.com	Robert Bairstow, Jr. President
Buckingham Manufacturing Company Inc.	P O Box 1690 / 11 Travis Avenue, Binghamton, NY 13904	USA	(607) 773-2400	www.buckinghammfg.com	James Pennefeather Vice President/ Sales & Marketing
DBI/SALA	3833 Sala Way Red Wing, MN 55066	USA	(800) 328-6146	www.capitalsafety.com	James Preacher Regional Sales Director
Elk River Inc.	PO Box 1770 Cullman, AL 35056	USA	(256) 739-5959	www.elkriver.com	Paul Doepel General Manager
European Technology Center 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
Miller Fall Protection - Honeywell Safety Products	1345 15th Street P.O. Box 271, Franklin, PA 16323	USA	(800) 873-5242	www.millerfallprotection.com	Heidi Henry Inside Sales Representative
MSA North America	P O Box 427 Pittsburgh, PA 15230	USA	(724) 776-8721	www.msasafety.com	Robert Apel Product Line Manager Fall Protection

FALL PROTECTION continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
RIT Safety Solutions	1900 Enterprise Pkwy, Ste H, Twinsburg, OH 44087	USA	(800) 254-2990	www.ritsafetysolutions.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
Sperian Protection	900 Douglas Pike Smithfield, RI 2917	USA	(800) 343-3411	www.sperianprotection.com	Shelly Mihalic Sr Product Manager
Standfast	2630 West Bradley Place Unit A, Chicago, IL 60618	USA	(877) 850-8726	www.standfastusa.com	Jay Carman President
Tech Safety Lines	3204 Skylane Dr, Ste D Carrollton, TX 75006	USA	(214) 987-4680	www.techsafetylines.com	Brent Wise COO
Tractel	51 Morgan Drive Norwood, MA 02062	USA	(800) 421-0246	www.tractel.com	John Basalyga VP & General Manager
Tractel Inc, Div of Griphoist	1615 Wardan Avenue Scarborough, ON M1R 2T3	Canada	(416) 298-8822 x247	www.tractelnorthamerica.com	Nicole Branidis Sales and Marketing
Transportation Safety Apparel	14B Cardinal Street Hilton Head, SC 29926	USA	(843) 686-4046	www.tsasafety.com	Rick Norton Large Account Specialist
Winsafe Corp.	One Valleywood Drive, Unit 1, Markham, ON L3R 5L9	Canada	(905) 474-9340	www.winsafe.com	Rick McKinlay Sales & Marketing Manager
Woods Logging & Industrial Supply	702 Industrial Way Longview, WA 98632	USA	(360) 577-8030	www.woodsindustrialsupply.com	Brett Doyle Sales Manager

FINANCIAL SERVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Alliance Funding Group Inc	3745 West Chapman Avenue, Suite 200, Orange, CA 92868	USA	(800) 978-8817	www.alliancefunds.com	Shawn Donahue Vice President of Sales
Altec Capital Services, LLC	33 Inverness Center Parkway Suite 200, Birmingham, AL 35242	USA	(888) 408-8148	www.alteccapital.com	Shana Foshee Sales & Marketing
CIT Group Inc.	One CIT Drive Livingston, NJ 07039	USA	(973) 740-5000	www.cit.com	Vincent Belcastro Managing Director/ Group Head
DLL Group Canada	3450 Superior Court, Unit 1 Oakville, Ontario, L6L 0C4	Canada	(905) 465-4960	www.dllgroup.com	G. Peter Horan President & CEO
Deutsche Leasing USA, Inc.	190 S. LaSalle St., Suite 2150, Chicago, IL 60603	USA	(312) 678-4265	www.deutsche-leasing.com	Rainer Voelker Head of Vendor Sales
EverBank Commercial Finance, Inc.	One Liberty Lane East Hampton, NH 03842	USA	(603) 601-0084	www.everbankcommercialfinance.com	Raymond Sullivan National Sales Manager
FMI Corporation	5171 Glenwood Avenue Raleigh, NC 27612	USA	(919) 785-9236	www.fminet.com	Tom Smith Director of Marketing
GE Capital	201 Main Ave. Norwalk, CT	USA	(203) 229-5717	www.gecapital.com	Ned Reynolds Director
Harry Fry & Associates	291 Main Street 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 IIIE, Inc	17,314 SH 249, Suite 315 Houston, TX 77064	USA	(281) 894-8000	www.iii-inc.com	Patrick Flinn Managing Director
Intek Leasing	152 Eagle Rock Ave Roseland, NJ 07068	USA	(973) 403-7788	www.intekleasing.com	Paul Garfunkel Leasing Specialist
Manitowoc Finance	1565 Buchanan Trail East Shady Grove, PA 17256	USA	(717) 597-8121	www.manitowoccranes.com	
Orange Commercial Credit	10121 SE Sunnyside Road, # 300, Clackamas, OR 97015	USA	(888) 266-0211	www.occfactor.com/regions/tina	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
Pinnacle Capital	615 Commerce Street, Suite 101, Tacoma, WA 98402	USA	(253) 284-5605	www.pinnaclecap.com	Jill Ginn Cranes Representative

SG Equipment Finance USA Corp.	480 Washington Blvd., 24th Floor, Jersey, City, NJ 07310	USA	(201) 839-1125	www.sgef.us	Tom Vasilakos Director of Industrial Sales
Siemens Financial Services, Inc.	301 Lindenwood Drive, Suite 215, Malvern, PA 19355	USA	(866) 249-4496	www.siemens.com/finance	Scott Morrish Account Executive
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/index.htm	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/construction	Greg Giauque AVP, Marketing Program Manager

FREIGHT FORWARDING/LOGISTICS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
1A Intermodal	1460 NW 107th Ave Miami, FL 33172	USA	(305) 629-6266	www.1aintermodal.com	Rick Gonzalez CEO
3Plus Logistics Co.	20250 S. Alameda St Rancho Dominquez, 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		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.basilcranes.com	Bob Basil President
Bellville Rodair International	7155 Old Katy Rd., #103 Houston, TX 77024	USA	(713) 921-5544	www.bellvillerodair.com	Aubrey Waugh Branch Manager
Bennett International Transport	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.L. Services, Inc.	P O Box 91955 Atlanta, GA 30364	USA	(678) 686-0933	www.clservicesinc.com	Jeffrey Lantz President
Central MN Logistics Inc. dba Roadrunner Transportation Services, Inc.	1139 Franklin Ave Fox Rapids, MN 56379	USA	(320) 656-8848 x17	www.rrts.com	Dave Demuth President
Convoy Logistics Providers Ltd.	482 South Service Road East, Suite 117, Oakville, ON L6J 2X6	Canada	(416) 621-1519	www.convoylogistics.ca	Dona Asciak Fletcher C.E.O
GT Worldwide Logistics	306 East Main Street Carnegie, PA 15106	USA	(866) 966-4999	www.gtlogisticsllc.com	Richard S. Francis, President
Landstar	13410 Sutton Park Drive South, Jacksonville, FL 32224	USA	(877) 287-9495	www.landstar.com	Jim Gattoni President/CEO
Lattice Communications	98 W. Cemetery Rd Fairfax, IA 52228	USA	888 926-7541	www.latticebiz.com	Brant Mozina Sr. Manager of Business Development
Logistics Group International	1426 North Post Oak Road Houston, TX 77055	USA	(713) 957-4812	www.lgiinc.com	Stephen Day President/CEO

FREIGHT FORWARDING/LOGISTICS continued

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

INSURANCE/RISK MANAGEMENT

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
A. J. Renner & Associates / Vista Insurance Partners of Illinois, Inc.	6 W Hubbard St, 4th Floor Chicago, IL 60610	USA	(312) 276-2113	www.ajrenner.com	Patrick Nolan Vice President/Broker
Allied Insurance Brokers	4 Gateway Center, 444 Liberty Ave., Suite 400, Pittsburgh, PA 15212	USA	(800) 569-9427	www.alliedinsbrokers.com	Jeff McGeary Executive Vice President, Sales
Association Benefit Resources	6550 South Millrock Drive, Suite 300, Salt Lake City, UT 84121	USA	(801) 937-6700	www.scrahealthplan.com	David Runnells Program Director
Assurance Agency, Ltd.	1750 E. Golf Road Schaumburg, IL 60173	USA	(847) 797-5700	www.assuranceagency.com	Lindsey Malone Marketing
Baldwin & Lyons, Inc.	1099 N. Meridian Street Indianapolis, IN 46204	USA	(800) 644-5501	www.baldwinandlyons.com	Tonya Simms Director
Brennan & Stuart Inc (BSI)	222 Bucklin St LaSalle, IL 61301-3457	USA	(630) 209-3144	www.brennanstuart.com	Chris 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.epginsurance.com	Dale Hendrix Vice President
Great American Group	9 Parkway North, Ste. 300, Deerfield, IL 60015	USA	(847) 943-2094	www.greatamerican.com	Connie Stevenes Marketing Manager
Hays Companies	One South Wacker Drive, Suite 3350, Chicago, IL 60606-4639	USA	(312) 254-3722	www.hayscompanies.com	William Holler Senior Vice President
Insurance Innovators Inc.	130 S Easton Road Glenside, PA 19038	USA	(215) 885-7300	www.iiigroup.com	Rich Marburg COO
McGriff, Seibels & Williams	One Premier Plaza, Suite 300, 5605 Glenridge Drive, Atlanta, GA 30342	USA	(800) 476-2541	www.mcgriff.com	Fred Dawson Senior Vice President
Meadowbrook Insurance Group, Inc.	26255 American Dr Southfields, MI 48034	USA	(248) 204-8145	www.meadowbrookinsgrp.com	Carol Ziecik Vice President
National Interstate Insurance Co.	3250 Interstate Drive Richfield, OH 44286	USA	(330) 659-8900	www.nationalinterstate.com	Tony Mercurio President & CEO

NBIS NationsBuilders Insurance Services, Inc.	2859 Paces Ferry Road, Suite 800, Atlanta, GA 30339	USA	(770) 257-1777	www.nbis.com	Bill Tepe President
Neace Lukens	645 E. Missouri Ave., Suite 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.neacelukens.com	Judy Sivy Senior Account Executive
Norman Spencer Agency Inc	800 East Main Street, Suite A, Lansdale, PA 19446	USA	(215) 809-2160	www.norman-spencer.com	Megan Rose Crane Operators Program
Security Insurance Services	P O Box 510925 New Berlin, WI 53151	USA	(262) 785-9490	www.securityins.net	Lori Averbeck Vice President
Sentry Insurance	1800 North Point Drive, Stevens Point, WI 54481	USA	(715) 346-6333	www.sentry.com	Bill Ferro Director of Sales/ Dealer Operations
South Group Insurance Services	812 Hardy Street Hattiesburg, MS 39402	USA	(601) 545-1643	www.southgroup.net	Gates Goza Agent
Texans Insurance Group	5050 Quorum Drive, Ste 500, Dallas, TX 75254	USA	(972) 991-6677	www.texansinsurance.com	Larry Kufel Marketing
The Horton Group	645 E Missouri Avenue, Ste 290, Phoenix, AZ 85012	USA	(480) 308-4717	www.thehortongroup.com	Bill Horton Owner
USI Insurance Services, LLC	201 Alhambra Circle, Coral Gable, FL 33134	USA	(305) 669-6000	www.usi.biz	Jeffrey Haynes Agent
Vela Insurance Services	311 South Wacker Dr., Suite 3600, Chicago, IL 60606	USA	(312) 725-7691	www.vela-ins.com	David Jordan President
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
Bremskerl North America, Inc.	1640 Shanahan Drive South Elgin, IL 60177	USA	(847) 289-3460	www.bremskerl.com	Mike Konrad Sales/Marketing Manager
Bridgestone/ Firestone Off Road Tire	535 Marriott Drive Suite 800 Nashville, TN 37214	USA	(800) 905-2367	www.bfor.com	
Carol Crane Rigging and Lifting Technologies	P.O. Box 5605 Pasadena, TX 77508	USA	(713) 475-7181	www.ccrlt.com	Kelly Collins Marketing
Century Tire Inc.	5355 E 39th Avenue Denver, CO 80207	USA	(303) 455-3302	www.centurytireinc.com	Mark Biere President
Continental Tire North America Inc.	1800 Continental Blvd. Charlotte, NC 28273	USA	(704) 583-8825	www.contigentire.com	Cliff Armstrong, Head of ContiTrade the Americas
Cummins Off Highway	500 Jackson Street Columbus, IN 47202	USA	(812) 377-5000	www.cummins.com	Steve Sanders Off-highway Marketing/ Communications Manager
Flite Line USA	12090 Miramar Pkwy Suite 105 Miramar, FL 33025	USA	(954) 433-5617	www.flitelineusa.com	John Biaggi President

OEM COMPONENTS continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Garrod Hydraulics	1050 Locust Point Road York, PA 17406	USA	(717) 767-6429	www.garrod.com	Brian Hollerbush Sales Representative
Hendrickson	500 Park Blvd., Suite 1010 Itasca, IL 60143	USA	(630) 773-9111	www.hendrickson-intl.com	Rence Oliphant Senior Director of North American Sales
Hercules SLR	520 Windmill Road Dartmouth, NS B3B 1B3	Canada	(902) 482-3125	www.herculesslr.com	Chris Giannou Marketing
Hydra-Slide	5617 4th Line, Rockwood, Ontario, N0B 2K0	Canada	(519) 496-4008	www.hydra-slide.com	Janine Smith Vice President
Hydraforce Hydraulics 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 Muskeon, MI 49441	USA	(800) 514-3066 x378	www.kaydon.com	Brian Walters Sales and Marketing - Engineered Products
Kinematics Mfg Inc.	2221 W Melinda Lane Phoenix, AZ 85027	USA	(623) 780-8944 x121	www.kinematicsmfg.com	David Pope President
KTSDI, 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	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
Prinoth Ltd.	1001 J-A Bombardier Street Granby, QC J2J 1E9	Canada	(819) 421-3099	www.prinoth.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.tspsalesandservice.com	Michael LaScala, Vice President Sales and Marketing
Universal Industrial Products	900 E Hamilton Ave Ste 100 Campbell, CA 95008	USA	(408) 996-2958	www.ui-pi.com	Fred Craig U.S. Operations Manager
Watson & Chalin Manufacturing	725 E University Dr McKinney, TX 75070	USA	(972) 547-6020	www.watsonsuspensions.com	Keith Rhodes Director of Sales/ Marketing
Winches, Inc.	5070 Ashley Court Houston, TX 77041	USA	(877) 361-8543	www.winchesinc.com	Matt Mundis Marketing

OPERATOR ASSIST DEVICES

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Adeunis NA, Inc.	65 Pondfield Rd, Suite 14 Bronxville, NY 10708	USA	(914) 337-2167	www.vokkero.com	Frank Fischer Director, Marketing and Communciations
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 Abrums Director of Operations
Cattron Group International	58 West Shenango Sharpsville, PA 16150	USA	(724) 962-2630	www.cattron.com	Mandy Bailey Marketing Assistant
Cervis, Inc	140 Thorn Hill Road Warrendale, PA 15086	USA	(724) 741-9000	www.cervisinc.com	Kevin Hadley Sales Manager
Control Chief Corporation	200 Williams Street Bradford, PA 16701	USA	(814) 362-6811	www.controlchief.com	Allison Ambrose Marketing and Graphics Coordinator
Crane Warning Systems	4443 Holden Street Lakeland, FL 33811	USA	(863) 619-5585	www.cranewarning	Amber Soukkala Executive Administrator
Cranesmart Systems	4908 97 St. NW Edmonton, AB T6E 5S1	Canada	(780) 437-2986	www.cranesmart.com	Dean Raboud 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 GmbH	Haller Strasse 45-53 74564 Crailsheim	Germany	+49 7951 393-0	www.hbc-radiomatic.com	Wolfgang Brendel CEO
Hetronic USA	4300 Highline Blvd Bldg. A, Oklahoma City, OK 73108	USA	(405) 946-3574	www.hetronic.com	Tom Devonshire National Sales Manager
Holloway Houston Inc	5833 Armour Drive Houston, TX 77020	USA	(713) 674-5631	www.hhilifting.com	Ezecuiel Ortuno Outside Sales
Hydro Electronice 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.intercompco.com	Aaron Van Heel Marketing Manager
Liftex Corporation	48 D Vincent Cr Warminster, PA 18974	USA	(800) 478-4651	www.liftex.com	Mark Kowalick COO
Loadwise International Ltd.	50, Woolmer Way Bordon, Hampshire GU35 9QF	UK	+44 (0)1420 476500	www.loadwise.co.uk	Ken Grant General Manager
Loadwise, Inc	18362 Gothard St Huntington Beach, CA 92648-1227	USA	(714) 841-5662	www.loadwise.com	Jim Bennett Owner
Magnetek Material Handling	175 Wall Street Glendale Heights, IL 60139-1985	USA	800-288-8178	www.magnetekmh.com	Mike Fedorchak, Inside Sales
Magtrol Inc.	70 Gardenville Pkwy Buffalo, MN 14224	USA	(716) 668-5555	www.magtrol.com	Jennifer Wilkins Marketing
Markload Systems	1118 N Main St Pearland, TX 77581	USA	(281) 485-8600	www.markload.com	Mike Irwin President
Measurement Systems International	14240 Interurban Ave So. Seattle, WA 98168	USA	(206) 433-0199	www.msiscales.com	Tim Carroll Marketing Manager
MTS Sensors	3001 Sheldon Drive Cary, NC 27513	USA	(919) 677-2315	www.mts.com	Julie Malinofski, Marketing and Communications
North West Crane LTD, (NWC)	7015 Sparrow Drive Leduc, AB T9E 7L1	Canada	(780) 980-2227	www.norhtwestcrane.com	Don Kurjata Vice President
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.tractelnorthamerica.com	Steve Gallagher Marketing Manager
TWG	P O Box 1130 Jenks, OK 74037-1130	USA	(918) 298-8300	www.team-twg.com	Mike Paul Marketing Manager
Trimble Inc.	935 Stewart Drive Sunnyvale, CA 94085	USA	(281) 664-1330	www.trimble.com/ liftingsolutions	
Water Weights	5139 Brook Street, Ste E, Montclair, CA 91763	USA	(909) 626-8316	www.imesinc.com	Jim Jota Manager
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.highwideenheavy.com	John Incontrera President
JJ Keller Inc.	3003 Breezewood Lane Neenah, WI 54956	USA	(800) 231-5266	www.kellerpermits.com	Kaitlin Cheramy
Mercury Permits	2006 Highland Avenue Las Vegas, NV 89102	USA	(888) 239-7773	www.mercurypermits.net	Steve Thomas Partner
Morrell Oversize	10752 171st Ave NW Elk River, MN 55330	USA	(763) 441-2011	www.morrelloversize.com	Terry Morrell
National Truck Services Group	P.O. Box 56666 Phoenix, AZ 85079	USA	(602) 944-5999	www.gontsg.com	Kathy Herter
New York Truck Escort & Permits, Inc.	P.O. Box 1814 West Babylon, NY 11704	USA	(631) 669-3742	www.newyorktruckescorts.com	Maureen Mandich President
Nova Permits & Pilot Cars	2800 Ave, St-Jean-Baptist, Ste 235 Quebec City, PQ F2E 6J5	Canada	(418) 527-7775	www.novapermits.com	Louis Juneau President
Permit America	116 Collison 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	
Trans/Mid-American Inc.	14655 California Street Omaha, NE 68154	USA	(402) 493-6156	www.tmanetwork.com	Rick Waymire President
Transport Permits Ltd.	3825 West 9th Street Waterloo, IA 50702	USA	(319) 235-9033	www.tptrucking.com	John and Flo Schall Owners
WCS Permits	150 E. Arrow Highway San Dimas, CA 91773	USA	(888) 737-6483	www.wcspermits.com	Wesley Mollno President
West Chester Permit	P O Box 62293 Cincinnati, OH 45262	USA	(800) 734-3544	www.wcpermit.com	Scott Boehm Vice President, Sales

PRODUCT SUPPORT/REPAIR

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Bode Technical Services Inc.	234 Columbine Suite 200 Denver, CO 80206	USA	(855) 263-3832	www.bodetechnical.com	
Boomtrux	9516 E. Dr. Martin Luther King Blvd, Suite 1 Tampa, FL 33610	USA	(813) 247-5683	www.boomtrux.com	Carlton Calfee CEO & Founder
BPT Components & Parts Inc	P O Box 4100 Sudbury, ON P3A 5Y9	Canada	(705) 524-8400	www.bpt.on.ca	Tim Edwards Vice President
Certified Boom Repair Service, Inc.	1902 N. 38th Street Tampa, FL 33605	USA	(813) 247-1963	www.certifiedboomrepair.com	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 Cincinnatti, 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	
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.pyramidparts.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 Worldwide Services	2989 Kingsgate Way Richland, WA 99354-5311	USA	(800) 937-4772	www.wheco.com	Dave Wood President

RIGGER TRUCKS

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Custom Mobile Equipment	439 E High Street Baldwin City, KS 66006	USA	(785) 594-7474	www.versa-lift.com	Gary Dick President/Owner
Doral Equipment 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 N0E 1N0	Canada	(519) 448-1055	www.brutelift.com	Eric Lavigne Manager
Lakeshore Industrial	4514 Browns Drive Two Rivers, WI 54241	USA	(920) 793-2680	www.lakeshorefind.com	Cherri Haskell Office Manager

RIGGER TRUCKS continued

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

RIGGING GEAR/HARDWARE & WIRE ROPE

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

Atlas Machinery	1090 W. 2180 North St., Salt Lake City, UT 84116	USA	(801) 322-1300	www.atlasmachinery.com	Larry DuPaix Sales
B.C. Wire Rope & Rigging	2720 East Regal Park Drive, Anaheim, CA 92806	USA	(800) 669-5919	www.bcwirerope.com	Bill Clark Vice President
Bairstow Lifting Products Co.	1785 Ellsworth Industrial Drive, Atlanta, GA 30318	USA	(404) 351-2600	www.bairstow.com	Robert Bairstow, Jr. President
Baydar & Associates Inc.	60 Walter Havill Drive, Suite 802, Halifax NS B3N 0A9	Canada	(902) 445-2535	www.baydar.ca	Jennifer Vaughan Office Manager
Bilco Wire Rope	1285 Central Ave., Hillside, NJ 07205	USA	(908) 351-7800	www.bilcogroup.com	Barry Lemberg Founder
Bishop Lifting Products, Inc.	125 McCarty Drive, Houston, TX 77029	USA	(713) 674-2266	www.lifting.com	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.bridonamerican.com	Bill Comly Sales
Cable Cisco	7718 Northport Drive, West Sacramento, CA 95691	USA	(916) 371-6781	www.thecarpentergroup.com	Bernie Martin President
Cable Moore, Inc.	P.O. Box 4067, Oakland, CA 94614	USA	(510) 436-8000	www.cablemoore.com	Greg Moore Owner
Cableco	9816 Arlee Avenue, Santa Fe Springs, CA 90670	USA	(562) 942-8076	www.cabelcorigging.com	Greg Bailey Sales
Cableworks, Inc.	58 Highland Drive, P.O. Box 651, Putnam, CT 06260	USA	(860) 928-0475	www.cableworksusa.com	John Rauh President
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.ccrlt.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.cascaderiggginginc.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 Divison Marketing Manager
Coffing Hoists	2020 Country Club Road, Wadesboro, NC 28170	USA	(704) 694-2156	www.coffinghoists.com	Tom Trost Director of Sales-Western U.S.
Columbus McKinnon	205 Crosspoint Parkway Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trust
Commercial Group Lifting Products	12801 Universal Drive, Taylor, MI 48180	USA	(734) 947-4000	www.cglift.com	Gar Knight President
Continental Chain	7011 Girard Road, Edmonton, Alberta T6B 2C4	Canada	(780) 437-2701	www.continentalchain.com	Ian McClurg President
Contractors & Industrial Supply Co.	P.O. Box 40391, Nashville, TN 37204	USA	(615) 256-8658	www.cisrigging.com	Eric Schiller COO

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	10333 Richmond Ave., Suite 1000, Houston TX 77042	USA	(832) 833-8032	www.cortlandcompany.com	Lindsey Stansell
Crosby Canada	145 Heart Lake Road, Brampton, ON L6W 3K3	Canada	(905) 451-9261	www.crosby.ca	Colin Basinger National Sales Manager
Dakota Riggers & Tool Supply, Inc.	704 East Benson Road, Sioux Falls, SD 57104	USA	(605) 335-0041	www.dakotariggers.com	Ben Kuhns Sales
DCL Mooring & Rigging	4400 North Galvez Street, New Orleans, LA 70117	USA	(504) 944-3366	www.dcl-usa.com	Cody Schnuriger Vice President, Sales and Marketing
Delta Rigging & Tools	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
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
Groupe Industriel DL Inc.	675 Boulevard Lionel-Boulet, Varennes QC J3X 1P7	Canada	(450) 652-5553	www.groupedl.ca	Natalie St-Amant Vice President of Business Development
Eriez Magnetics	2200 Asbury Road, Erie, PA 16506	USA	(814) 835-6000	www.eriez.com	Dan Zimmerman Director of Business Development
ESCO Corporation	P.O. Box 10123, Portland, OR 97210	USA	(503) 778-6768	www.escocorp.com	Kirk Yoresen Global Product Manager
F & M Mafco/QC21 Lifting Products	9149 Dry Fork Road, Harrison, OH 45030	USA	(513) 367-2151	www.qc21slings.com	Mark Freel Product Specialist
F.D. Lake Company	P.O. Box 8831 3313 Lousma Drive SE, Grand Rapids, MI 49518	USA	(616) 241-5639	www.fdlake.com	Michael Posey General Manager
Feeney Inc.	2603 Union Street, Oakland, CA 94607	USA	(800) 888-2418	www.feeneyinc.com	Katrina Ralston President
First Sling Technology	1125 West Hwy 152, Suite 113, Mustang, OK 73064	USA	(877) 453-4778	www.firstsling.com	Linda Summars President & Owner
Franklin Offshore Americas Inc	1325 South Creek Dr., Suite 300, Houston, TX 77084	USA	(281) 578-3828	www.franklin.com.sg	Marilyn Munoz Assistant Sales Manager
French Creek Production	626 13th St., Franklin, PA 16323	USA	(814) 437-1808	www.frenchcreekproduction.com	Jason Wible President
Fresno Wire Rope & Rigging	2360 S. East Ave. Fresno, CA 93721	USA	(559) 268-8885	www.fresnowirerope.com	Edward Mytych Manager
Gosan USA	1926 Spearing St. Jacksonville, FL 32201	USA	(904) 350-9191	www.gosanusa.com	Rocio Santin Presdient

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	Canads	(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.lacledechain.com	Greg Luerkens
Lamco Slings & Rigging Inc.	4960 41st Street Court, Moline, IL 61265	USA	(309) 764-7400	www.lamcoinc.com	William Lambrecht Owner
Landmann Wire Rope Products Inc.	6500 Goodyear Road, Benicia, CA 94510	USA	(707) 748-1700	www.landmannwire.com	Rick Colvin President
Lift-All Company, Inc.	1909 McFarland Dr. Landisville, PA 17538	USA	(800) 909-1964	www.lift-all.com	
Liftex Corporation	780 Falcon Circle, Suite 105 Warminster, PA 18974	USA	(215) 957-9180	www.liftex.com	Stephen Keller National Sales Manager
Lifting & Rigging Specialty Sales, Inc.	2100 West Drive, Greensburg, PA 15601	USA	(724) 552-0083	www.thechainman.com	Harry Coulter Owner

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
LGH	9925 S. Industrial Drive, Bridgeview, IL 60455	USA	(708) 598-4727	www.rentlgh.com	Patrick Clark National Rental Support
Lift-It Manufacturing Company, Inc.	1603 W. 2nd St., Pomona, CA 91766	USA	(909) 469-2252	www.lift-it.com	Mike Gelskey CEO
LiftPRO International, Inc.	5959 Seville Road, Duluth, MN 55811	USA	(218) 729-9211	www.liftpro.com	Fred Ambli Owner
Linton Rigging Gear Supplies, LLC	6819 Hwy 311, Sellersburg, IN 47172	USA	(812) 246-3515	www.lrgsupplies.com	Ray Linton Owner
Lone Star Rigging	4175 W. Cardinal Drive, Beaumont, TX 77705	USA	(409) 842-2263	www.lonestarrigging.com	Chris Richardson Owner
LUBE-A-BOOM	8151 River Bay Drive East, Indianapolis, IN 46240	USA	(317) 501-1104	www.lubeaboom.com	Jo Roberts VP of Operations
Magna Lifting Products, Inc.	P.O. Box 2290, Blaine, WA 98231	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
Manchester Sling Company	5600 Surrey Square, Houston, TX 77017	USA	(800) 392-5510	www.manchestersling.com	Matt Barlow Sales Manager
Marcal Rope & Rigging	P.O. Box 477, 1862 E. Broadway, Alton, IL 62002	USA	(618) 462-0172	www.marcalrigging	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, Stinsford Road, Poole, Dorset BH17 0NF	UK	+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.northernmetalicfsj.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
Roughrider Rigging, Ltd.	118 Faithful Crescent, Saskatoon, SK S7K 8H8	Canada	(306) 651-1834	www.saturnind.com	Gerry Wiederhold
Rouster Wire Rope & Rigging	102 Ridge St., Mabscott, WV 25871	USA	(304) 252-6031	www.rousterwrr.com	Chuck Farmer
RUD	P.O. Box 367, Hiawatha, IA 52233	USA	(319) 294-0001	www.rud.com	Katie Eliason

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Safe 'N Secure USA, 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.sourceatantic.ca	Peter Wilson
Southeast Rigging, Inc.	1645 Jessie St., Jacksonville, FL 32206	USA	(904) 355-3423	www.southeastrig.com	Dan Giannattasio President
Southern Weaving Co.	P.O. Box 487, Greenville, SC 29602	USA	(864) 240-9325	www.southernweaving.com	Susan Crow-Granger
Southern Wire Corp.	8045 Metro Road, Olive Branch, MS 38654	USA	(662) 893-4644	www.southernwire.com	Andrew Hall Vice President and General Manager
Southwest Ocean Services	5721 Harvey Wilson Drive, Houston, TX 77020	USA	(713) 671-9101	www.swos.net	Conrad Reynolds Sales Manager
SpanSet, Inc.	3125 Industrial Drive, Sanford, NC 27332	USA	(501) 658-9665	www.spanset-usa.com	Todd Sharp
Suncor Stainless	70 Armstrong Road, Plymouth, MA 02360	USA	(508) 732-9191	www.suncorstainless.com	Loye Young
Superlift Wire Ropes USA, LLC	836 Registry Terrace, Kennesaw, GA 30152	USA	(678) 575-5182		Terry Miller
Tandemloc, Inc.	824 Hwy 101, Havelock, NC 28532	USA	(800) 258-7324	www.tandemloc.com	John DiMartino President
Tennessee Sling Center	3501 Clio Ave., Chattanooga, TN 37407	USA	(423) 634-9005	www.tennesseeslingcenter.com	Terry Roderick General Manager
TTEUFELBERGER Holding AG	Vogelweiderstrasse 50, 4600 Wels	Austria	+43 7242 615-0	www.teufelberger.com	DI Stefan Punchner Product Manager
The Crosby Group	2801 Dawson Road Tulsa, OK 74110	USA	(800) 772-1500	www.thecrosbygroup.com	Ron Vanderslice Marketing Director

The Indusco Group	1200 West Hamburg St., Baltimore, MA 21230	USA	(800) 727-0665	www.induscogroup.com	Keith Dennis General Manager
The Rigging Box, Inc.	8480 Terminal Road, Lorton, VA 22079	USA	(703) 339-7575	www.theriggingbox.com	Selina Conrad President & Manager
The Ulven Companies/Skookum	P.O. Box 280, Hubbard, OR 97032	USA	(503) 651-3175	www.ulvencompanies.com	Brent Nasset
Timco, Inc.	2 Greentown Road, Buchanan, NY 10511	USA	(905) 691-7102	www.timco-eng.com	Dave Dunn Sales Manager
Tractel Inc., Div of Griphoist	1615 Warden Ave., Toronto, ON M1R 2T3	Canada	(800) 465-4738	www.tractelnorthamerica.com	Steve Gallagher Marketing Manager
Trinity Sling Authority, Inc.	2201 E. Loop 820 North, Fort Worth, TX 76118	USA	(817) 589-2404	www.trinitysling.com	Bruce Harten Owner
Tri-State Wire Rope & Supply	2425 West Bridger Road, Salt Lake City, UT 84104	USA	(801) 954-0300	www.tristatewirerope.com	Mike Lister President
Tulsa Chain Inc.	12820 S. Memorial Drive, Unit 126, Bixby, OK 74008	USA	(918) 392-2829	www.tulsachain.com	Mike Robertson President
Ultra-Safe, Inc.	2339 N. 34th Drive, Phoenix, AZ 85009	USA	(602) 484-7713	www.ultrasafeusa.com	Marty Sharp President
Unalloy / IWRC	737 Oval Court, Burlington, ON L7L 6A9	Canada	(905) 790-3112	www.unalloy-iwrc.com	Paul Groeneveld General Manager
Union Sling Company	P.O. Box 565301, Dallas, TX 75356	USA	(800) 999-6207	www.unionsling.com	Stella Emerson HR Executive
Unirope	3070 Universal Drive, Mississauga, ON L4X 2CB	Canada	(905) 624-5131	www.unirope.com	Knut Buschmann President
Unitex Group USA	P.O. Box 455, 104 Hurrican Creek Road, Piedmont, SC 29673	USA	(864) 846-8690	www.unitexusa.com	Dan Posa
USHA Martin Americas, Inc.	701 Plastics Ave., Houston, TX 77020	USA	(713) 676-1800	www.ushamartin.com	Sunil Sadani Vice President of Commercial
Van Beest USA LLC	P.O. Box 96529, 1357 Sheffielde Blvd., Houston, TX 77015	USA	(713) 674-5753	www.vanbeest.nl	Chris Keffer
Verope USA	11018 Pleasantville Drive, Houston, TX 77029	USA	(832) 831-0132	www.verope.com	Chase Richter Sales Manager
Visco Inc.	P.O. Box 67127, Lincoln, NE 68506	USA	(402) 489-6492	www.viscoinc.com	Larry Isaacson Owner
Voto Manufacturers Sales Company	P.O. Box 1299, 500 N. Third St., Steubenville, OH 43952	USA	(740) 282-3621	www.votosales.com	Janie Mayle President
Washington Wire Rope	8411 Irvington Blvd., Houston, TX 77022	USA	(800) 332-2376	www.wwirerope.com	Robert Tenorio Sales
WESCO Industries, 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.wwrope.com	Bill Austin Marketing Director
Wisconsin Lifting Specialists, Inc.	P.O. Box 1621, 2033 W. St. Paul Ave., Milwaukee, WI 53201	USA	(414) 342-7475	www.masterrigging.com	Dave Cappell Owner
Worldwide Enterprises, Inc.	70 Commercial Way, East Providence, RI 02914	USA	(888) 297-3900	www.wwewirerope.com	Jack Petrone Owner
Yale Cordage	77 Industrial Park Road Saco, ME 04072	USA	(207) 282-3396	www.yalecordage.com	Bill Putnam President

RIGGING GEAR/HARDWARE & WIRE ROPE continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
Yarbrough Cable Service, 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.lynnsafety.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
Fleet Cost & Care	865 S Fort Street Detroit, MI 48217	USA	(800) 281-9445	www.fleetcostcare.com	Jack Curran Director of Sales
Fleet Management Solutions Inc.	3426 Empresa Dr, Ste 100, San Luis Obispo, CA 93401	USA	(805) 787-0508	www.fmsgps.com	Mike Jarvinen VP Marketing
Genisys Software Inc.	8601 73rd Ave N - Suite 21, Brooklyn Park, MN 55428	USA	(763) 391-6133	www.genisys.com	Ray Bonestroo President
Haag Engineering Co.	625 Industrial Blvd. Sugar Land, TX 77478-2819	USA	(281) 313-9700	www.haagengineering.com	Dustin Childress Assistant Vice President
Hook Cam / Pacific Solutions	330 Uluniv St, Ste C Kailua, HI 96734	USA	(804) 869-2140	www.hookcam.com	Emily B. Hayne Marketing Manager
InfoChip Systems Inc.	111 Northwood Circle Wetaskiwin, AB T9A 3L4	Canada	(877) 747-2448	www.infochip.com	Chris Gelowitz President
LiftPlanner Software	105 Geneva Blvd Burnsville, MN 55306	USA	(952) 435-6126	www.liftplanner.com	Jim Meehan Owner
McLeod Software	2550 Acton Road Birmingham, AL 35243	USA	(877)362-5363	www.McLeodSoftware.com	Rick Halbrooks Vice President of Sales
N4 Systems Inc.	111 Queen Street East, Suite 240, Toronto, ON M5C 1S6	Canada	(647) 477-6975	www.n4systems.com	Somen Mondal Vice President of Sales & Marketing
Netarus LLC	4855 Brookside Ct. Unit B Norfolk, VA 23502	USA	(757) 819-4600	www.hoistcam.com	Chris Machut Chief Technology Officer
Orion Software	6000 Cote-des-Neiges, Suite 240, Montreal, Quebec H3S 1Z8	Canada	(514) 484-9661	www.orion-soft.com	Andre Gilbert President
PeopleNet	4400 Baker Road Minnetonka, MN 55343	USA	(888) 346-3486	www.peoplenetonline.com	Brian McLaughlin President
Point of Rental 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

SOFTWARE – LIFT PLANNING/FLEET MANAGEMENT continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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, Ste 403 Flowood, MS 39232	USA	(516) 492-0603	http://www.skyguard.com	Anthony Del Guercio National Sales
SmartEquip Inc.	83 East Ave Ste 101 Norwalk, CT 06851	USA	(203) 604-1311	www.smartequip.com	Phil Silver Vice President, Sales & Marketing
Solutions By Computer	191 Chestnut Street Springfield, MA 01103	USA	(413) 737-0499	www.solutionsbycomputer.com	Jack Shea Founder
EvokedSet Limited	Davidson House, Forbury Square, Reading, Berkshire RG1 3EU	UK	+44 (0) 844 870 8025	www.evokedset.com	Nicky Denovan (Davis) Director
Tekla	1075 Big Shanty Rd NW, Suite 175, Kennesaw, GA 30144	USA	(770) 426-5105	www.tekla.com	Mary Chiaffredo Marketing Manager
Telogis	20 Enterprise, Ste 100 Aliso Viejo, CA 92656	USA	(949) 389 5500	www.telogis.com	Tina Shilling Marketing Director
Texada Software	7B-291 Woodlawn Rd W Guelph, ON N1H 7L6	Canada	(519) 836-7073	www.texadasoftware.com	Brian Spilak CEO
The JobClock	27001 Agoura Rd, Suite 280, Calabasas, CA 91301	USA	(888) 788-8463	www.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	(215) 243-8856	www.visualdispatch.com	Chris Kinser Manager
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
ALE	1650 Highway 6, Suite 140 Sugar Land, TX 77478	USA	(713) 946-3125	www.ale-heavylift.com	Russel Quebedeaux US Key Accounts Manager
American Heavy Moving & Rigging	11532 East End Avenue Chino, CA 91710	USA	(909) 590-5662	www.americanheavymoving.com	Kirk Martin Vice President
Bardex Corporation	6300 Lindmar Drive Goleta, CA 93117	USA	(805) 964-7747	www.bardex.com	Max Whitlely Sales
Bigge Crane & Rigging	10700 Bigge Avenue San Leandro, CA 94577	USA	(510) 638-8100	www.bigge.com	Weston Settlemier President
Buckingham Structural Moving Equipment	10 Birch Lane Bernville, PA 19506	USA	(610) 488-8969	www.buckinghamequipment.com	Kendall Siegrist Marketing Director
Columbus McKinnon Corp.	205 Crosspoint Pkwy Getzville, NY 14068	USA	(716) 689-5400	www.cmworks.com	Tom Trost Director of Sales-Rigging
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	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	Anzola (Gus) Gustavo Sales
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.hmrsupplies.com	Chris Holland President
Hydra-Slide Ltd.	84 Royal Road Guelp, ON N1H 1G3	Canada	(519) 900-1450	www.hydra-slide.com	Janine Smith Vice President
Hydraulic Skidding Systems Industrial Inc.	P.O. Box 602 12 Highlander Street St. George, Brant, ON	Canada	(519) 448-3919	www.hydraulicskidding systems.com	Richard Bisch President
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
Lift Systems, Inc.	P O Box 906 Moline, IL 61266	USA	(309) 764-9842	www.lift-systems.com	Brian Wagner VP Sales and Marketing
Logistic Dynamics, Inc.	155 Pineview Drive Amherst, NY 14228	USA	(541) 306-6732	www.ldispecialized.com	JB Baker General Manager
MAGNA Lifting Products, Inc.	P O Box 2290 Blaine, WA 28931	USA	(360) 392-0432	www.magnalifting.com	Philip Gardner President
Mammoet USA	20525 FM 521 Rosharon, TX 77583	USA	(281) 369-2200	www.mammoet.com	
Mid-Atlantic Lift	309 Roxbury Industrial Court Charles City, VA 23030	USA	(804) 387-9373	www.midatlanticlift.com	Travis Hall Manager
Mi-Jack Products	3111 W 167th Street Hazel Crest, IL 60429	USA	(708) 596-5200	www.mi-jack.com	Mike Lanigan, Jr. Sales Manager Director
Modulift UK Ltd	11 New Fields Business Park Stinsford Rd, Poole BH17 0NF	U.K.	(0) 1202 621511	www.modulift.com	Malcolm Peacock Business Development Manager
Power Pusher	546-2895 Derry Road East Mississauga, ON L4T 1A6	Canada	(905) 764-6942	www.pushorpull.com	Slim Baksh VP Sales and Marketing
Riggers Manufacturing Company	PO Box 506 Dixon, IL 61021	USA	(815) 288-7626	www.riggers.com	Bruce Forster President
Rigging Gear Sales, Inc.	1555 IL Route 26 South Dixon, IL 61021	USA	(815) 288-6403	www.rgsinc.net	Benjamin Forster General Manager
Sarens USA	2812 Avenue S Dickinson, TX 77539	USA	(832) 536-3669	www.sarens.com	Mike Hussey Regional Director North America
Shuttlelift	49 E. Yew Street Sturgeon Bay, WI 54235	USA	(920) 743-1522	www.shuttlelift.com	Kurt Minten Sales Director
TransWorld Manufacturing	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) 943-9726	www.americacranetraining.com	Bonna Hastings President
American Crane Training & Consulting	PO Box 760 Claremont, CA 91711	USA	(805) 314-4121	www.americancranetraining.com	Greg Peters Owner
American International Crane Bureau – AICB	12514 Woody Road Pearland, Texas 77581	USA	(281) 871-1863	www.cranebureau.com	Justin Meade Operations & Development Manager
American Test Center	2773 Prairie Drive River Falls, WI 54022-0408	USA	(800) 451-9087	www.atctest.com	Dennis Ireland President
Apprenticeship & Skill Improvement Program	19800 W South Arsenal Rd Wilmington, IL 60481	USA	(815) 722-3201	www.asiplocal150.org	James M. Sweeney Chairman
Arxcis Inc.	PO Box 689 Kingston, WA 98346	USA	(360) 297-3693	www.arxcis.com	Myron Lee Co Founder
Associated Training Services	7190 Elder Lane Sun Prairie, WI 53590	USA	(608) 354-0765	www.operator-school.com	John Klabacka President
Atlantic Crane Inspections Service	P O Box 747 Bensalem, PA 19020	USA	(215) 639-2579	www.atlanticcrane.com	Bill Hottenstein President
Barth Crane Inspections LLC	P O Box 1493 Goose Creek, SC 29445	USA	(843) 871-8877	www.craneoperator.com	Tom Barth Owner
BC Association for Crane Safety	P O Box 48883 Bentall 595 Burrard Street Vancouver, BC V7X 1A8	Canada	(604) 336-4699	www.bcacs.ca	Fraser Cocks Executive Director
California Crane School	111 Bank Street #254 Grass Valley, CA 95945	USA	(888) 967-7277	www.californiacraneschool.com	Kayla Hennesey Director of Operations
Cairo Marine Service, Inc	P.O. Box 620 Jackson, MO 63755	USA	(573) 243-6772	www.cairomarineservice.com	Bruce Marrs President
CH C&R Consultants	277 Brazos Way Caldwell, TX 77836	USA	(979) 272-0478	www.chcrane.com	Derek Henson Owner
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	2692 Highway 27 N Carrollton, GA 30117	USA	(770) 783-9292	www.centeredonsafety.com	Fred Robinson Business Relationship Manager
Crane Inspection & Certification Bureau (CICB)	11112 Boggy Creek Rd Orlando, FL 32824	USA	(800) 327-1386	www.cicb.com	Billy Cook Director of Sales
Crane Inspection Services	P O Box 461, Fairhope, AL 36533	USA	(251) 928-6262	www.craneinspection.com	Flynn Pritchett President
Crane Institute Certification	4011 W. 1st Street Sanford, FL 32771	USA	(844) 546-3362	www.cicert.com	Christine Cromarty Administration
Crane Institute of America	3880 St. John's Parkway Sanford, FL 32771	USA	(407) 322-6800	www.craneinstitute.com	Kelly Cowart Products Manager
Crane Operators Certification and Inspections Inc.	2114 Industrial Park Road Lincolnton, NC 28092	USA	(704) 735-2707	www.cociinc.com	Stephanie Reynolds Office Manager
Cranes 101	57 Mendon Street Bellingham, MA 02019	USA	(508) 966-4100	www.cranes101.com	Sean Kelly General Mgr
Crane Safety Associates of America	730 Oak Grove Road McDonough, GA 30253	USA	(800) 356-2212	www.cranesafetyassociates.com	Shane Adams President
Crane Tech, LLC	1215 Millennium Parkway Brandon, FL 33511	USA	(800) 521-7669	www.cranetech.com	Tony Dotto Operations Manager

Crane U, Inc.	782 Heatherwood Dr. Birmingham, AL 35244	USA	(855) 9CRANEU	www.craneu.com	Scotty Gaut President/Owner
Crane Wise Certifications, LLC	312 NE Loop 289 Lubbock, TX 79403	USA	(806) 744-2999	www.cranewisellc.com	Chad Trumble Owner
Cranecoach	13 Hewitt Road Lambertville, NJ 08530	USA	(609) 613-3486	www.cranecoach.com	Carl 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.cranetraining international.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
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.natlcrane.com	Dennis O'Rourke Owner
Nationwide Crane Training	7655 Aspen Creek Court Washoe Valley, NV 89704	USA	(877) 628-2726	www.nationwidecranetraining.com	Teri Drapeau CEO
NCCER	13614 Progress Boulevard Alachua, FL 32615	USA	(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

TRAINING CERTIFICATION & INSPECTION SERVICES continued

COMPANY NAME	ADDRESS	COUNTRY	PHONE	WEBSITE	PRIMARY CONTACT
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.riggininstitute.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.cpwr.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, I 39 Industrial Park Centerbrook, CT 6409	USA	(800) 821-5702	www.safety-zone.com	Sandy Seidman Founder/President
Total Crane Services Ltd	14660 1H-10W Orange, TX 77632	USA	(409) 842-1500	www.totalcraneservices.com	Rodney Rhodes Training Manager/Partner
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

The ACT Marketplace is sponsored by

easybook training
training for safety

Browse 1000s of safety training courses all in one place

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 158
Find the company to fulfill your training needs

Dealer Locator 159
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.

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 174
Crane, rigging and lifting equipment for sale or rent, new or used.

Safety & Industry Services
Insurance, inspections, financing, consulting and safety equipment.

Career Opportunities
Employee recruitment and job postings.

Transport & Heavy Haul 176
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

CINDY KIRBY
Tel: 515-381-9519
e-mail: cindy.kirby@khl.com

www.americancranesandtransport.com

All Purpose Safety Training Solutions
888-501-1355
www.apcranetraining.com
Lewis Trugillo
info@apcranetraining.com

Crane Inspection & Certification Bureau
800-327-1386
www.cicb.com
Camille Singletary
info@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
Tony Dotto
tdotto@cranetech.com

Doc Bailey Construction
702-485-1457
Las Vegas Facility
5040 Alto Ave, Las Vegas, NV 89115
Tower.Lattice.RT, Boom Truck Training & Testing

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

Industrial Training International
800.727.6355
www.iti.com
info@iti.com

Kissimmee Crane School
1-407-931-0015
www.kisscranes.com
Glenda Merkel
Kisscranes@gmail.com

Morrow Training Center
1-503-585-5721 ext 0118 or 0128
www.morrow.com
Leena Ellis
training@morrow.com

North American Crane Bureau Inc
1-800-654-5640
www.cranesafe.com
Monica McNeill
nacbgroup@cranesafe.com

OVERTON Safety Training, Inc.
(866) 531-0403
www.overtonsafety.com
Cody Fischer
cody@overtonsafety.com

Rigging Institute, LLC
(888) 416-1965
www.rigginginstitute.com
Eric Perry
training@rigginginstitute.com

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

Tower Crane School of Phoenix
1-480-993-3302
www.towercraneschoolphoenix.com
Jennifer Meadows
jmeadows@towercraneschoolphoenix.com

WIKA Mobile Control LP
(formerly Hirschmann / PAT)
1-717 217-2255
www.wika-mc.com
Sarah Nell
sarah.nell@wika.com

This is a paid advertisement. If you would like to be included, contact
Bev O'Dell - 816-886-1858 – bev.odell@khl.com or Cindy Kirby - 515-381-9519 - cindy.kirby@khl.com

Find Your Permit Companies Here

Comdata
1-800-749-7166
www.comdatapermits.com
Darryl Foust
dfoust@comdata.com

High, Wide & Heavy Oversize Escorts
1-718-966-7255
www.Highwidenheavy.com
Valerie Incontrera
Dispatch@highwidenheavy.com
East Coast

New York Truck Escorts & Permits
631-669-3742
www.newyorktruckescorts.com
Maureen Mandich
rmrnsman@optonline.net
NY and East Coast

State Permits Inc
1-330-497-0446
http://www.statepermits.com
Anthony Deliz
adeliz@statepermits.com

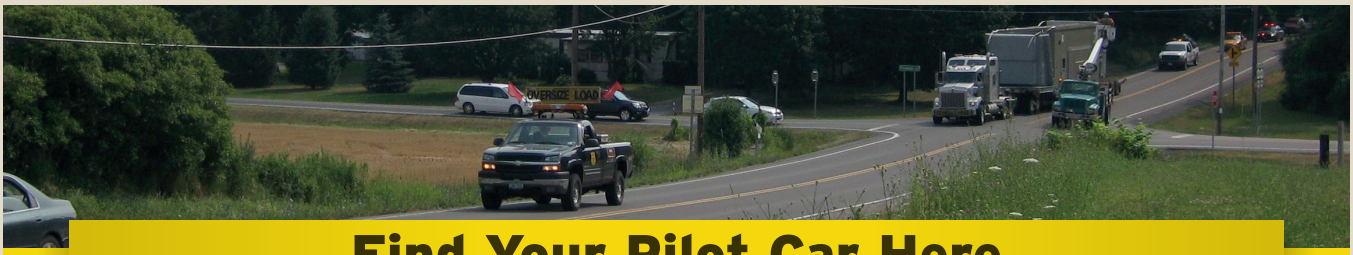
Trans/Mid-American
1-800-228-7577
www.tmanetwork.com
Rick Waymire
Marketing@tmamail.net

Transport Permits Ltd
1-800-373-9033
www.transportpermit.com
John Schall
john@transportpermit.com

WCS Permits & Pilot Cars
1-888-737-6483
www.wcspermits.com
Valerie Daniel
valeried@wcspermits.com

West Chester Permit
1-800-734-3544
www.wcpermit.com
Scott Boehme
info@wcpermit.com

This is a paid advertisement. If you would like to be included, contact
Bev O'Dell - 816-886-1858 - bev.odell@khl.com
Cindy Kirby - 515-381-9519 - cindy.kirby@khl.com



Find Your Pilot Car Here

Comdata
1-877-683-7703
www.comdatapermits.com
Darryl Foust
dfoust@comdata.com
Continental US & parts of Canada

High, Wide & Heavy Oversize Escorts
1-718-966-7255
www.Highwidenheavy.com
Valerie Incontrera
Dispatch@highwidenheavy.com
East Coast

New York Truck Escorts & Permits
631-669-3742
www.newyorktruckescorts.com
Maureen Mandich
rmrnsman@optonline.net
NY and East Coast

NKS Piloting
1-918-218-5218
Nadia Loden Sokolowski
nadialoden@gmail.com

ODS North America
877-635-7164 / 877-635-7164
www.odsna.com
Stefano Pilozzi
orders@odsna.com
All of US and Canada

Pit Row Services
1-844-474-8769
www.pitrow.services
Michael Morgan
office@pitrowpilotcars.com
Continental US

Pilotcarz4u LLC
1-803-266-5149
www.pilotcarz4u.com
Kaye Greene-Smith
kayegreenesmith@pilotcarz4u.com
Continental US

Sapphire Rose Pilot Car, Inc
1-210-661-6441 - 210-639-0907
www.sapphirerosepilotcar.com
Vickie Simmons
vsimmons@sapphirerosepilotcar.com
Texas Based serving the U.S.

Sentinel Pilot Car Services
1-844-576-7717
www.sentinelpilotcar.com
Jennifer Thompson
jentho@sentinelpilotcar.com
Continental US and Canada

WCS Permits & Pilot Cars
1-888-737-6483
www.wcspermits.com
Valerie Daniel
valeried@wcspermits.com
United States & Canada

This is a paid advertisement. If you would like to be included, contact
Bev O'Dell - 816-886-1858 - bev.odell@khl.com
Cindy Kirby - 515-381-9519 - cindy.kirby@khl.com

Contact our Dealers

Coastline Equipment Crane Division
325 N. 5th Street, Bldg. A, **Sacramento, CA.** 95811
Tel: 916-440-8090
www.coastlinecd.com
Branches:

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

CraneWorks, Inc.
www.Crane-Works.com
e-mail: sales@Crane-Works.com
Branches:

Houston, TX	**Tel: 832-280-8737**
Kansas City, KS	**Tel: 913-308-0184**
Bakersfield, CA	**Tel: 661-765-8891**
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**
Calgary, AB	**Tel: 403-907-0804**

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

Dozier Crane & Machinery, Inc.
155 Pine Barren Rd, Pooler, GA. 31322
Tel: 912-748-2684, Parts: 877-541-3754
www.DozierCrane.com, Sales@DozierCrane.com
Dealer for boom trucks and carry deck cranes in GA, AL & LA.

Exact Crane & Equipment Corp
www.ExactCrane.com
e-mail: Sales@exactcrane.com; Parts@exactcrane.com
Branches:

Cleveland, OH	Tel: 440-349-1999
Louisville, KY	Tel: 985-381-4988

Empire Crane Co, LLC
12 Mear Road, Holbrook, MA 02343
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:

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

Giuffre Bros. Cranes, Inc.
6635 South 13th Street, **Milwaukee, WI.** 53221
Tel: 414-764-9200
www.giuffre.com, e-mail: tproctor@giuffre.com
Branches:

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

H&E Equipment Services
Tel: 877-HE-CRANE
www.he-equipment.com
Branches:

Little Rock, AR.	Tel: 501-568-7867
Springdale, AR.	Tel: 479-927-1672
Alexandria, LA.	Tel: 505-764-8100
Baton Rouge, LA.	Tel: 225-356-6113
Kenner, LA.	Tel: 504-467-5906
Lafayette, LA.	Tel: 337-837-9600
Lake Charles, LA.	Tel: 337-528-2661
Shreveport, LA.	Tel: 318-746-5272
Dallas, TX.	Tel: 972-986-0910
Houston, TX.	Tel: 713-433-6411

Ring Power
500 World Commerce Parkway **St Augustine,** Fl 32092
Tel: 904-494-7653
www.ringpower.com , e-mail: dave.glass@ringpower.com
Branches:

Union City, GA.	Tel: 770-774-7300
Ladson, SC.	Tel: 843-818-1954
Concord, NC.	Tel: 704-795-3636

Transport Equipment Sales (TES)
Kearny, NJ.
Tel: 973-589-4100
www.tes-inc.net, e-mail: info@tes-inc.net

www.manitex.com

Manitowoc® Contact our Dealers

GROVE® by Manitowoc

H&E Equipment Services
Tel: 877-HE-CRANE
www.he-equipment.com
Branches:
Little Rock, AR.
Tel: 501-568-7867
Springdale, AR.
Tel: 479-927-1672
Phoenix, AZ.
Tel: 602-232-0600
Tuscon, AZ.
Tel: 520-770-1120
Boise, ID.
Tel: 208-388-3323
Alexandria, LA.
Tel: 318-443-7173
Baton Rouge, LA.
Tel: 225-356-6113
Kenner, LA.
Tel: 504-467-5906
Lafayette, LA.
Tel: 337-837-9600
Lake Charles, LA.
Tel: 337-528-2661
Shreveport, LA.
Tel: 318-746-5272
Baltimore, MD.
Tel: 410-477-6500
Belgrade, MT.
Tel: 406-388-2308
Jackson, MS.
Tel: 601-373-0444
Billings, MT.
Tel: 406-259-9720
Albuquerque, NM
Tel: 505-764-8100
Arden, NC.
Tel: 828-684-1692
Charlotte, NC.
Tel: 704-504-2870
Las Vegas, NV.
Tel: 702-320-6500
Raleigh, NC.
Tel: 919-781-9454
Winston Salem, NC.
Tel: 336-767-6900
Chattanooga, TN.
Tel: 423-499-7700
Memphis, TN.
Tel: 901-375-4902
Nashville, TN.
Tel: 615-248-0266
Dallas, TX.
Tel: 972-986-0910
Houston, TX.
Tel: 713-433-6411
Salt Lake City, UT.
Tel: 801-974-0388
Ashland, VA.
Tel: 804-798-9740
Norfolk, VA.
Tel: 757-295-4944
Roanoke, VA.
Tel: 540-362-3600
Warrenton, VA.
Tel: 540-349-2878

Kirby-Smith Machinery, Inc.
6715 W. Reno,
Oklahoma City, OK. 73127
Tel: 405-495-7820
Branches:
Kansas City, KS.
Tel: 877-851-5729
St. Louis, MO.
Tel: 314-729-0125
Tulsa, OK.
Tel: 918-438-1700
McAlester,OK
Tel: 918-310-1550

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
Saint John, NB.
Tel: 888-594-8444
506-635-1550

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

Manitowoc®

H&E Equipment Services
Tel: 877-HE-CRANE
www.he-equipment.com
Branches:
Birmingham, AL.
Tel: 205-661-1323
Phoenix, AZ.
Tel: 602-232-0600
Tuscon, AZ.
Tel: 520-770-1120
Belle Chasse, LA.
Tel: 504-394-7400
Baltimore, MD.
Tel: 410-477-6500
Billings, MT.
Tel: 406-259-9720
Albuquerque, NM.
Tel: 505-764-8100
Las Vegas, NV.
Tel: 702-320-6500
Dallas, TX
Tel: 972-986-0910
Houston, TX.
Tel: 713-433-6411
Salt Lake City, UT.
Tel: 801-974-0388
Ashland, VA.
Tel: 804-798-9740
Norfolk, VA.
Tel: 757-295-4944
Roanoke, VA.
Tel: 540-362-3600
Warrenton, VA.
Tel: 540-349-2878

Kirby-Smith Machinery, Inc.
6715 W. Reno,
Oklahoma City, OK. 73127
Tel: 405-495-7820
Branches:
Kansas City, KS.
Tel: 877-851-5729
St. Louis, MO.
Tel: 314-729-0125
Tulsa, OK.
Tel: 918-438-1700
McAlester,OK
Tel: 918-310-1550

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
Saint John, NB.
Tel: 888-594-8444,
506-635-1550

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

www.manitowoccranes.com

Manitowoc® Contact our Dealers

NATIONAL CRANE® by Manitowoc

H&E Equipment Services
Tel: 877-HE-CRANE
www.he-equipment.com
Branches:
Little Rock, AR.
Tel: 501-568-7867
Springdale, AR.
Tel: 479-927-1672
Phoenix, AZ.
Tel: 602-232-0600
Tuscon, AZ.
Tel: 525-770-1120
Boise, ID.
Tel: 208-388-3323
Baltimore, MD.
Tel: 410-477-6500
Jackson, MS.
Tel: 601-373-0444
Albuquerque, NM.
Tel: 505-764-8100
Arden, NC.
Tel: 828-684-1692
Charlotte, NC.
Tel: 704-504-2870
Raleigh, NC.
Tel: 919-781-9454
Winston Salem, NC.
Tel: 336-767-6900
Las Vegas, NV.
Tel: 702-320-6500
Columbia, SC.
Tel: 423-499-7700
Greenville, SC.
Tel: 864-272-2600
Salt Lake City, UT
Tel: 801-974-0388
Ashland, VA.
Tel: 804-798-9740
Norfolk, VA.
Tel: 757-295-4944
Roanoke, VA.
Tel: 540-362-3600.
Warrenton, VA.
Tel: 540-349-2878

Kirby-Smith Machinery, Inc.
6715 W. Reno,
Oklahoma City, OK. 73127 Tel: 405-495-7820
Branches:
Kansas City, KS.
Tel: 877-851-5729
St. Louis, MO.
Tel: 314-729-0125
Tulsa, OK.
Tel: 918-438-1700
Abilene, TX.
Tel: 325-692-6334
Amarillo, TX.
Tel: 806-373-2826
Dallas, TX.
Tel: 214-371-7777
Ft Worth, TX.
Tel: 817-378-0600
Lubbock, TX.
Tel: 806-745-2112
Odessa, TX.
Tel: 432-333-7000
McAlester,OK
Tel: 918-310-1550

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
Saint John, NB.
Tel: 888-594-8444,
506-635-1550

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

POTAIN® by Manitowoc

Bigge Equipment
10700 Bigge Ave,
San Leandro, CA. 94577
Tel: 510-681-0918
e-mail: cranesales@bigge.com
www.bigge.com
Branches:
Houston, TX.
Tel: 510-681-0918
La Mirada, CA.
Tel: 510-681-0918

Rapicon Inc
924 Burton Road
Vars ON. K0A 3H0
Tel: 613 443-1323
www.rapicon.ca
e-mail: redemond@rapicon.ca

RMS Cranes
1900 E 66th Avenue
Denver, CO 80229
Tel: 800-588-7095
e-mail: info@rmscranes.com
www.rmscranes.com

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
Saint John, NB.
Tel: 888-594-8444,
506-635-1550

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

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

TADANO

LOWER YOUR CRANE OWNING AND OPERATING COSTS

To improve your ROI contact an authorized Tadano dealer below:

Bigge Equipment
10700 Bigge Ave.
San Leandro, CA 94577
Tel: 510-681-0908
e-mail: cranesales@bigge.com
www.bigge.com
Authorized dealer in AZ, CO, NM, UT.
Branches:

Arizona	Tel: 510-681-0908
Henderson, CO	Tel: 510-681-0908
New Mexico	Tel: 510-681-0908
Salt Lake City, UT	Tel: 510-681-0908

Coastline Equipment Crane Division
325 N. 5th Street, Bldg. A
Sacramento, CA. 95811
Tel: 916-440-8090
www.coastlinecd.com
Authorized dealer in CA, ID, NV.
Branches:

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

Exact Crane & Equipment Corp
www.ExactCrane.com
Email: Sales@exactcrane.com
Parts@exactcrane.com
Branches:

Cleveland, OH	Tel: 440-349-1999
Louisville, KY	Tel: 985-381-4988

Authorized dealer for KY, MI, OH

Cropac Equipment Inc.
1007 South Service Road
Oakville, Ontario L6L 6R3 Canada
1-800-4-CROPAC/ 905-825-6377
www.cropac.com
e-mail: sales@cropac.com
Authorized dealer in:
Newfoundland-Labrador
Nova Scotia
Prince Edward Island
New Brunswick
Manitoba Tel: 800-427-6722
Branches:

Laval, QB	Tel: 450-625-4738
Oakville, ON	Tel: 905-825-6377

Heavy Iron Cranes
411 Burton Road
Lexington, SC 29072
Tel: 803-358-9191
E:mail: levy@heavyironcranes.com
www.heavyironcranes.com

Scott-Macon Equipment
14925 S. Main
Houston, TX. 77035
Tel: 713-721-7070
www.smequipment.com
Authorized dealer for OK, TX.
Branches:

Corpus Christi, TX.	Tel: 361-289-2782
Dallas, TX.	Tel: 214-391-4000
Big Spring, TX	Tel: 432-271-4650
San Antonio, TX	Tel: 210-960-9938
Tulsa, OK.	Tel: 918-224-2000
Oklahoma City, OK	Tel: 405-673-8509

TADANO AMERICA CORPORATION 4242 W Greens Rd Houston, TX 77066 281-869-0030

https://tadanoamerica.com/dealers/

TADANO

MANTIS® CRANES

FIND A DEALER NEAR YOU!

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

Cropac Equipment Inc.
www.cropac.com
Tel: 1-800-4-CROPAC
sales@cropac.com
Branches:
Oakville, ON.
Tel: 905-825-6377
Laval, QC.
Tel: 450-625-4738

Exact Crane & Equipment Corp
Cleveland, OH
www.ExactCrane.com
Tel: 440-349-1999
Sales@exactcrane.com
Parts@exactcrane.com

Empire Crane Co, LLC
7021 Performance Dr,
N Syracuse, NY 13212
www.empirecrane.com
Tel: 315-458-4101;
800-342-7575;
Parts: 315-701-4933
e-mail:
sales@empirecrane.com
Branches:
Billerica, MA.
Tel: 508-868-7734
Luke@empirecrane.com
Bridgewater, NJ (NYC/NJ)
Tel: 908-203-0400
sales@empirecrane.com

Scott-Macon Equipment
14925 S. Main,
Houston, TX. 77035
Tel: 713-721-7070
www.smequipment.com
Branches:
Corpus Christi, TX.
Tel: 361-289-2782
Dallas, TX.
Tel: 214-391-4000
San Antonio, TX.
Tel: 210-629-0400
Midland, TX.
Tel: 432-517-4378
(Field Service Office)
Tulsa, OK.
Tel: 918-224-2000
Houma, LA.
Tel: 985-851-1118
Baton Rouge, LA.
Tel: 225-753-4111
(Lake Charles Area)
Sulphur, LA.
Tel: 337-882-0197

www.mantiscranes.com

TEREX®

Contact our distributors and find out how we can help improve your bottom line.

Visit **info.terex.com/distributorsearch** to find your local distributor.

Bigge Equipment

10700 Bigge Ave, **San Leandro, CA.** 94577
Tel: 510-681-0918
e-mail: cranesales@bigge.com
www.bigge.com
Branches:
Houston, TX. Tel: 510-681-0918
La Mirada, CA. Tel: 510-681-0918

Cropac Equipment Inc.

1-800-4-CROPAC
www.cropac.com
e-mail: sales@cropac.com
Branches:
Abbotsford. BC. Tel: 604-755-3927
Oakville, ON. Tel: 905-825-6377
Laval, QC. Tel: 450-625-4738
Nisku, AB. Tel: 780-955-8862

Empire Crane Co, LLC

7021 Performance Dr,
N Syracuse, NY. 13212
www.empirecrane.com
Tel: 315-458-4101; 800-342-7575;
Parts: 315-701-4933
e-mail: sales@empirecrane.com
Branches:
Billerica, MA. Tel: 508-868-7734
Luke@empirecrane.com
Bridgewater, NJ (NYC/NJ)
Tel: 908-203-0400
sales@empirecrane.com

Giuffre Bros. Cranes, Inc.

6635 South 13th Street,
Milwaukee, WI. 53221
Tel: 414-764-9200
e-mail: tproctor@giuffre.com
www.giuffre.com
Branches:
CICERO, IL. Tel: 708-656-9200
e-mail: tproctor@giuffre.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
Midland, TX.
(Field Service Office) Tel: 432-517-4378
Tulsa, OK. Tel: 918-224-2000
Houma, LA. Tel: 985-851-1118
Baton Rouge, LA. Tel: 225-753-4111
(Lake Charles Area)
Sulphur, LA. Tel: 337-882-0197

Authorized Distributor

Cranes

TEREX®

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

CONGRATULATIONS!
YOU'RE #1

Contact us today to get the treatment you deserve.

ELLIOTT
EQUIPMENT COMPANY

Built for You.

sales@elliottequip.com
(402) 592-4500
www.elliottequip.com

Find a dealer near you

ML Cranes & Equipment
3908 N. Graham Street,
Charlotte, NC. 28206
Tel: 877-649-7739
www.mlcranes.com
Branches:
Baltimore, MD.
Bridgeville, DE.
Chesapeake, VA.
Manassas, VA.
Richmond, VA.
Roanoke, VA.
Winchester, VA.
Wise, VA.

Coastline Equipment Crane Division
325 N. 5th Street, Bldg. A
Sacramento, CA. 95811
Tel: 916-440-8090
www.coastlinecd.com
Branches:
Santa Ana, CA.
Tel: 714-265-6550
Long Beach, CA.
Tel: 562-273-7013
Bakersfield, CA.
Tel: 661-399-3600
Oxnard, CA.
Tel: 805-485-2106
Santa Maria, CA.
Tel: 805-922-8329
Las Vegas, NV.
Tel: 702-399-2700
Elko, NV.
Tel: 775-777-7070
Meridian, ID.
Tel: 208-888-3337
Jerome, ID.
Tel: 208-324-2900
McCall, ID.
Tel: 208-634-3903

Link-Belt
CRANES

Contact your authorized Link-Belt distributor today!

Triad Machinery
www.triadmachinery.com
Tel: 503-254-5100

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

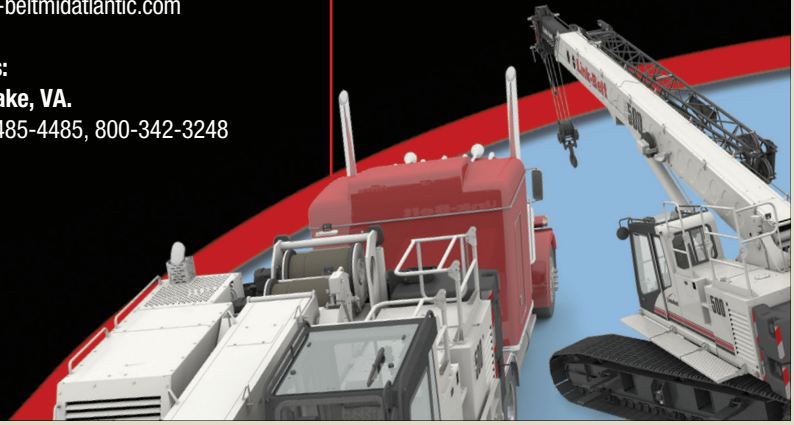
Burl Redman - Crane Specialist (**OR**)
503-318-2140

Will Hayes - Crane Specialist (**WA**)
206-450-5220

Link-Belt Mid-Atlantic Construction Equipment
10020 Lickinghole Road,
Ashland, VA. 23005
Tel: 804-798-2290, 800-552-3837
E-mail: dcoffey@linkbelt.com
www.link-beltmidatlantic.com

Branches:
Chesapeake, VA.
Tel: 757-485-4485, 800-342-3248

Transport Equipment Sales (TES)
Kearny, NJ.
Tel: 973-589-4100
E-mail: info@tes-inc.net
www.tes-inc.net



www.linkbelt.com

Above. Ahead. Always.

Visit **demagmobilecranes.com**

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

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
Bakersfield, CA Tel: 661-765-8891
San Diego, CA Tel: 760-906-8044
Denver, CO Tel: 303-710-8308
Orlando, FL Tel: 407-307-2562
Hampton, NJ (NYC) Tel: 908-336-9651
Dallas/Ft. Worth, TX Tel: 817-497-8217
Calgary, AB Tel: 403-907-0804

Empire Crane Co, LLC
7021 Performance Dr,
N Syracuse, NY. 13212
www.empirecrane.com
Tel: 315-458-4101; 800-342-7575;
Parts: 315-701-4933
e-mail: sales@empirecrane.com
Branches:
Billerica, MA.
Tel: 508-868-7734
Luke@empirecrane.com
Bridgewater, NJ (NYC/NJ)
Tel: 908-203-0400
sales@empirecrane.com

Scott-Macon Equipment
14925 S. Main, **Houston, TX.** 77035
Tel: 713-721-7070
www.smequipment.com
Branches:
Corpus Christi, TX Tel: 361-289-2782
Dallas, TX. Tel: 214-391-4000
Midland, TX. Tel: 432-517-4378
(Field Service Office)
Tulsa, OK. Tel: 918-224-2000
Houma, LA. Tel: 985-851-1118
Baton Rouge, LA. Tel: 225-753-4111
(Lake Charles Area) Sulphur, LA.
Tel: 337-882-0197

Authorized Cranes Distributor

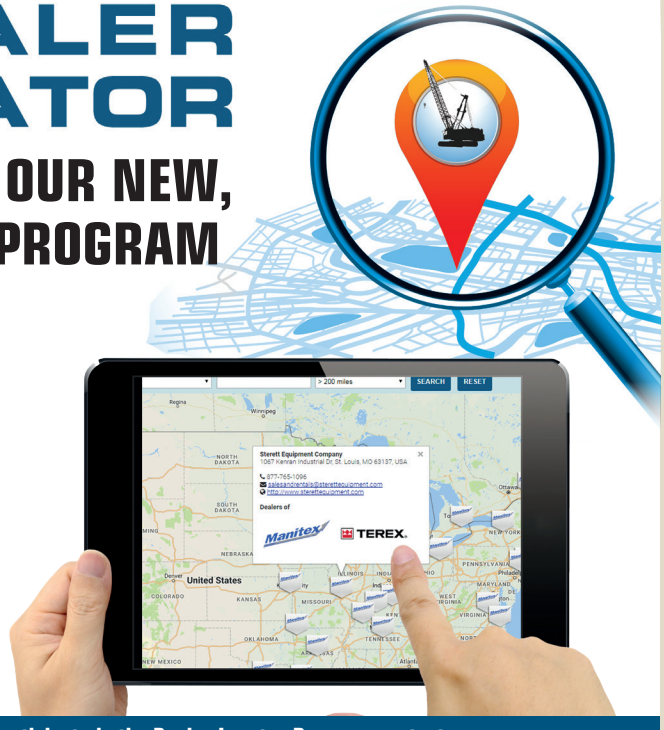
© Tadano Demag GmbH 2019. Demag is a trademark of Demag IP Holdings GmbH.

DEMAG TADANO GROUP

AMERICAN CRANES & TRANSPORT
ACT DEALER LOCATOR

OPPORTUNITY KNOCKS WITH OUR NEW, IMPROVED DEALER LOCATOR PROGRAM

Participate with your manufacturers by purchasing a listing on their page.

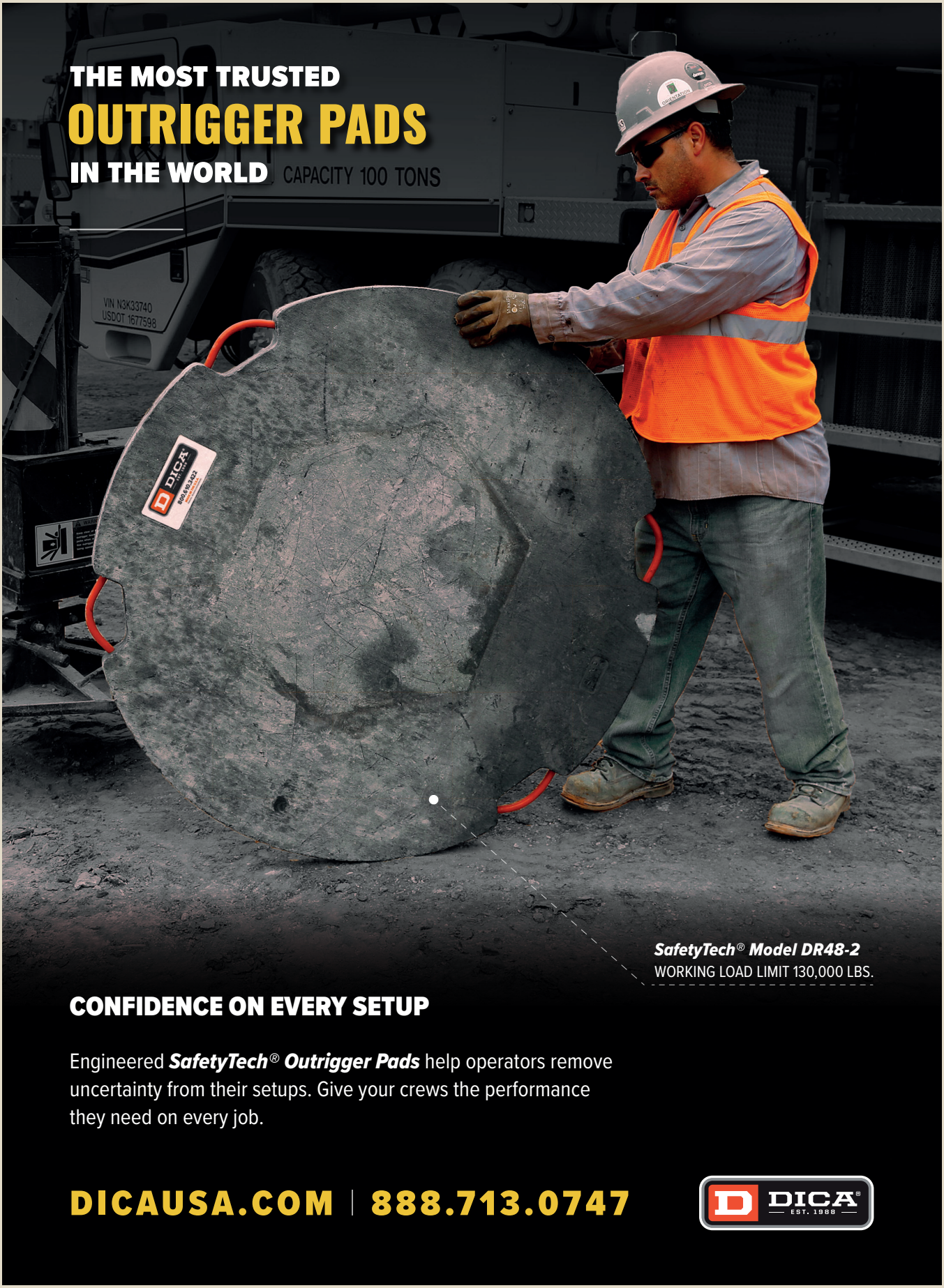


VISIT OUR NEW WEBSITE:
WWW.AMERICANCRANESANDTRANSPORT.COM

- Your Dealer Contact Information included on OEM Specific Advertisements within *ACT*, North America's premiere magazine dedicated to crane, rigging and specialized transportation,and also featured in the digital issues.
- Monthly e-cast of your dealer contact information to a global audience of buyers and/or rental companies.
- *ACT's* Dealer Locator web portal is prominently displayed on www.americancranesandtransport.com and features clickable links to each OEM and to dealer web pages as well as a searchable map.
- Full inclusion of all information in *ACT's tablet edition*. In a simple click/touch, readers can be directed to your website.

To participate in the Dealer Locator Program contact:
Bev O'Dell, National Account Manager
Phone: 816-886-1858
E-mail: bev.odell@khl.com

khl



CONFIDENCE ON EVERY SETUP

Engineered ***SafetyTech® Outrigger Pads*** help operators remove uncertainty from their setups. Give your crews the performance they need on every job.

DICAUSA.COM | 888.713.0747

DICA EST. 1988

THE STANDARD IN THE MAT INDUSTRY

For over 40 years, Quality Mat Company has provided its ground protection mats for a number of industries including oil & gas, petrochemical, pipeline, wind, highline utility and construction. Whether you need crane mats for a large project, rig mats for your oilfield operation, or custom mats for a specific need, Quality Mat Company is here to help.

We provide full-service from manufacturing, shipping and logistics to delivery, and installation for clients large and small, all around the world.

QUALITY MAT COMPANY

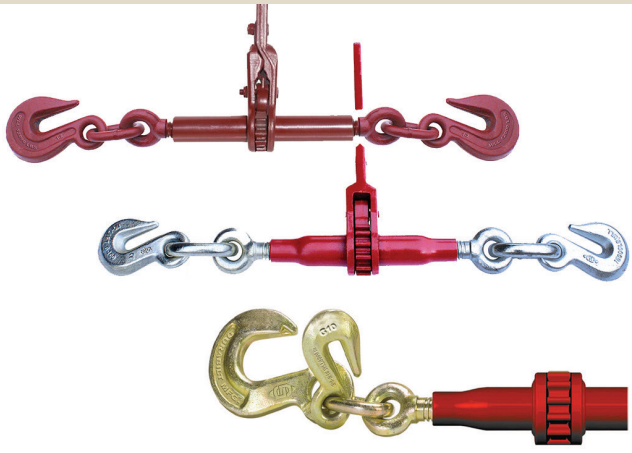
800-227-8159 | QMat.com

WORLD'S LARGEST SUPPLIER | MANUFACTURING SINCE 1974

No Other
Load Binder
Even Comes Close...

DURABILT by DURBIN

Securing America's Cargo Since 1938



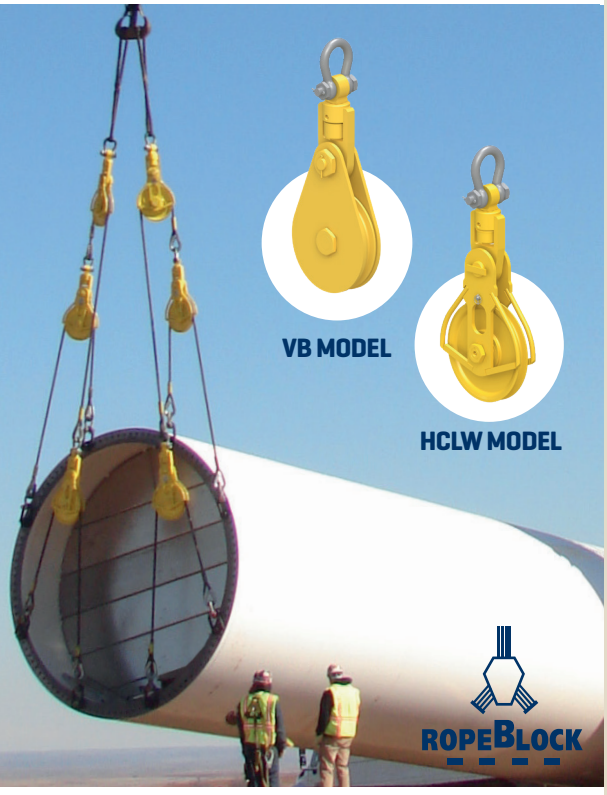
durabiltusa.com

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

USA

HIGH QUALITY
LIFTING/ROLLING
PRODUCTS

- VB MODELS: WLL FROM 22T TO 138T
- HCLW MODELS: WLL FROM 35T TO 150T
- LARGER SIZES AVAILABLE ON REQUEST



Associated WIRE ROPE & RIGGING
310-448-5444
sales@awrrinc.com

WATERMAN SUPPLY COMPANY
MARINE & INDUSTRIAL EQUIPMENT
310-522-9698
sales@watermansupply.com

associatedwirerope.com

GN ROPE FITTINGS
Grofsmederij Nieuwkoop B.V. - the Netherlands
HEAVY FORGINGS

Leading Manufacturer of Products & Accessories for:

- *Heavy Lifting & Rigging*
- *Mooring Systems*
- *Anchor Handling*

Shackles *Thimbles* *Tri-Plates* *Links* *Hooks*

Associated WIRE ROPE & RIGGING
Ph: 310.448.5444
sales@awrrinc.com

www.associatedwirerope.com

Ph: 310.522.9698
sales@watermansupply.com
WATERMAN SUPPLY CO., INC.

New
BOB'S RIGGING & CRANE HANDBOOKS & REFERENCE CARDS

ALSO IN SPANISH!

NEW 9TH EDITION

- TRAINING - RIGGING & CRANES
- RIGGING & CRANE SAFETY RULES
- RIGGING TRAINING PROGRAM EXAMPLE
- HORIZONTALLY MOVING LOADS
- WIRE ROPE TABLES
- WORKING LOAD LIMITS - SLINGS & HARDWARE
- ASME SAFETY STANDARDS
- OSHA REGULATIONS

BOB'S INDUSTRIAL PUBLICATIONS LLC

Bob's Industrial Publications, LLC.
Tel: 248-994-4006
e-mail: info@bobsindustrialpublications.com

DON PELLOW
Engineering Consultant

www.bobsindustrialpublications.com

SAUBER MFG.CO.

BUY YOUR PADS
From the Source That OEM's Trust

WWW.SAUBERMFG.COM
(800) 323-9147

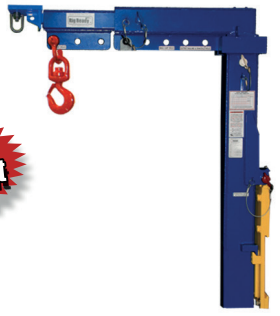
SPECIALIZING IN THE SALE AND RENTAL OF HEAVY TIMBER AND LAMINATED MATS

SERVING THE GULF COAST FOR OVER 30 YEARS

AMERICAN MAT & TIMBER

1(800) 671 - 0694
WWW.AMERICANMATANDTIMBER.COM

Rig Ready™



OSHA Compliant

QUICK-LOCK™ SERIES

HOOK & SHAFT STYLES AVAILABLE

MANUAL & HYDRAULIC AVAILABLE

Portable Professional Rigging Boom System

For Forklifts & Tele-Handlers

Interchangeable: Any Brand. Any Size.
Systems In Stock Fitting 2,000lb - 40,000lb

Your Fork Truck + Our Boom = 5 Minute Installation

Demonstration Video And Other Available Products At
www.RigReady.com
1-866-829-0344

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

RITTER FOREST PRODUCTS

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

COASTLINE Equipment Crane Division

562.273.7013 sales@coastlinecd.com

www.coastlinecd.com | HQ: Long Beach, CA

SALES | RENTAL | PARTS & SERVICE

"RENTAL PURCHASE & LEASING OPTIONS AVAILABLE"

MANTIS CRANES · Manitex · TADANO · SKYJACK · SHUTTLELIFT · ELLIOTT EQUIPMENT COMPANY · PALFINGER

ao72xv

2016 TADANO GR550XL 55 TON
45188 $375,000 Project Rates Avail

bb00vb

2020 ELLIOTT L60R 60 FT Reach
Stk#87530 M43R H70R Available

az50oq

2020 MANITEX 40124SHL 40 TON
#85974 Only 3 Units Available CALL

ba77ok

2020 MANITEX 22101S 22 TON
#86989 - Swing Cab Model - CALL

an03zs

2016 TADANO GR750XL 75 Ton
#43667 $460,000 RENT SALE RPO

al21ve

2016 TADANO GR1000XL 100 Ton
#44711 - $575,000 Sale Rent RPO

ar25cg

2018 MANITEX 30100C 30 Ton
#72562 - $245,000 Sale Rent RPO

aw26ii

2019 MANITEX 26101C 26Ton
Stk#79342 $242,00 Sale Rent RPO

az61bt

2019 TADANO GR1600XL 160 TON
#83443 SALE RENT RPO Call Today

ay67dv

2019 MANITEX TM2085T# 79337
20 ton Capacity CALL FOR PRICE

al12ca

2014 SHUTTLELIFT CD3339 9 Ton
#41162 $105,000 SALE RENT RPO

ba26fi

2013 SKYJACK ZB20044 #37855
$90,000 20K Capacity 40FT Reach

For a wide variety of used cranes look no further than...

KHL Cranemarket

The online market place for buyers and sellers of used cranes

The unique Crane Market package offers you three ways to sell used cranes in one simple to use package.

Online

khlcranemarket.com: unlimited crane listings, pictures, detailed descriptions, contact details and company logo

Digital

e-mail marketing: in the KHL Crane Market e-Newsletter. Your featured cranes in an e-newsletter sent to more than 29,000 potential buyers worldwide every two weeks

Print

A quarter page advertisement in the Marketplace section of *International Cranes and Specialized Transport*

khlcranemarket.com

To ind out more see the website or contact Bev O'Dell

e-mail: bev.odell@khl.com • tel: 816-886-1858

AMERICAN CRANES & TRANSPORT ACT · INTERNATIONAL CRANES AND SPECIALIZED TRANSPORT · khl

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
Hydraulic Crawler Cranes
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

CRANES INC.
(718) 784-1776

Visit us Online...
www.CranesInc.com

Brute Lift®
Heavy Lifting Equipment

NEW HEAVY CHASSIS LINEUP
BRUTE LIFT BT160 - BT180 - BT200

Lifting capacities
160,000 lbs. - 180,000 lbs.- 200,000 lbs.

Please do not hesitate to contact us with any custom requirements
Email: sales@hmslift.ca Phone: 1.877.506.7770
www.hmslift.ca

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

TRANSMASTER™ TRAILERS

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

OVERSIZE LOAD
WCS
PERMITS • EQUIPMENT • PILOT CARS

WCS PERMITS
& PILOT CARS

OVERSIZE LOAD

• OVERSIZED/OVERWEIGHT PERMITS
• TRIP & FUEL PERMITS
• PILOT CARS
• EQUIPMENT SALES

ACCESS PERMITS ONLINE 24/7

888.PERMIT.3 • 888.737.6483 • WCSPERMITS.COM

BUCKINGHAM
STRUCTURAL MOVING EQUIPMENT
Designing and Manufacturing the latest in Rigging, Lifting, and Transport Equipment
Sales & Rentals
(610) 488-8969
BuckinghamEquipment.com
10 Birch Lane, Bernville, PA
SMARTJACK™
UNIFIED JACKING SYSTEM
Leading the industry with the new SmartJack System, allowing multiple unified machines to be linked together and perform as one unit.
SMARTSTEER™
ADVANCED DOLLY SYSTEM
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

NKS PILOTING
TULSA, OKLA
NKS Piloting
918-218-5218
Offering
Highpole
Lead
Chase
Steer
Route Surveys
OVERSIZE LOAD
Photos by Nadia Sokolowski

AMERICAN CRANES & TRANSPORT

ACT

FREE SUBSCRIPTION

Complete the form below or register online at: www.khl.com/subs/ACT

1 CHOOSE YOUR MAGAZINE/S

- ☐ **American Cranes & Transport**
- ☐ Access International
- ☐ Access, Lift & Handlers
- ☐ Construction Europe (digital edition)
- ☐ Construcción LatinoAmericana (Spanish)
- ☐ Construção Latino Americana (Portuguese)
- ☐ Cranes & Project Transport Turkiye (Turkish)
- ☐ Demolition & Recycling International
- ☐ International Construction
- ☐ International Construction Turkiye (Turkish)
- ☐ International Cranes and Specialized Transport
- ☐ International Rental News

2 CHOOSE YOUR E-NEWSLETTER/S

- ☐ **World Crane Week**
- ☐ Access International
- ☐ Access, Lift & Handlers
- ☐ Construction Europe
- ☐ Construcción LatinoAmericana (Spanish)
- ☐ Construção Latino Americana (Portuguese)
- ☐ Concreto Latinoamericano (Spanish)
- ☐ Concreto Latino-Americano (Portuguese)
- ☐ Demolition & Recycling International
- ☐ 国际建设月讯中文版 (Chinese)
- ☐ International Rental News
- ☐ International Rental News Product & Services Update
- ☐ World Construction Week
- ☐ KHL Crane Market

3 ORGANIZATION TYPE

- ☐ Construction Contractor / Consultant
- ☐ Crane & Equipment Rental
- ☐ Specialized / Heavy Transport / Rigging
- ☐ Airports / Ports / Docks / Offshore
- ☐ Public / Private Utilities
- ☐ Manufacturer of Lifting Equipment
- ☐ Energy - Windpower
- ☐ Energy - Oil & Gas
- ☐ Distributor / Agent / Equipment Sales
- ☐ Power Generation

Other (Please specify) : _____

4 YOUR DETAILS

Name: _____

Job title: _____

Company: _____

Address: _____

_____

Town: _____

Country: _____

State/County: _____

Zip code/Post code: _____

e-mail: _____

5 Do you purchase or influence the purchase of cranes and transport equipment or services?

YES ☐ **NO** ☐

6 What is the annual revenue of your company (US$ millions):

- Under $1 million ☐
- $1-3 million ☐
- $3-5 million ☐
- $5-20 million ☐
- $20-100 million ☐
- Over $100 million ☐

7 FORMAT OF MAGAZINE

PRINT ☐ **DIGITAL** ☐ **PRINT & DIGITAL** ☐

8 YOUR PREFERENCES

KHL Group will keep you up-to-date with industry insight, products and events relevant to you as a professional in the construction or power industry.
If you do not wish to receive such information, please tick the selected boxes below.

e-mail ☐ **Telephone** ☐ **Post** ☐

KHL Group works with other companies in the construction and power industry and will contact you about their products and services.

I would like to receive e-mails from KHL about other third party products ☐

All e-mails will contain a link in the footer to enable you to unsubscribe at any time.
For more information, please see our Privacy Policy: www.khl.com/privacy-policy

9 SIGN AND DATE:

SIGNATURE: _____

DATE: _____

MAIL TO: KHL Group Americas, Circulation Department,
20855 Watertown Road, Suite 220
Waukesha, WI 53186-1873, USA
FAX TO: +1 262 754 4175
e-mail: circulation@khl.com

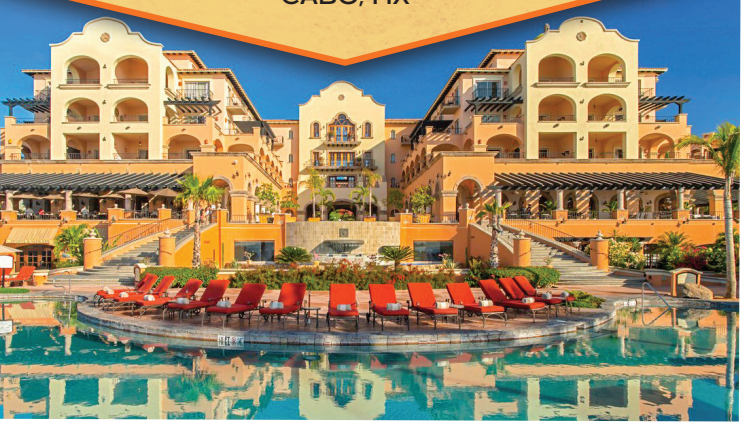
khl

WHERE TO BE IN 2020

SC&RA

JANUARY BOARD & COMMITTEE MEETINGS

JANUARY 8-11
SHERATON HACIENDA DEL MAR
CABO, MX

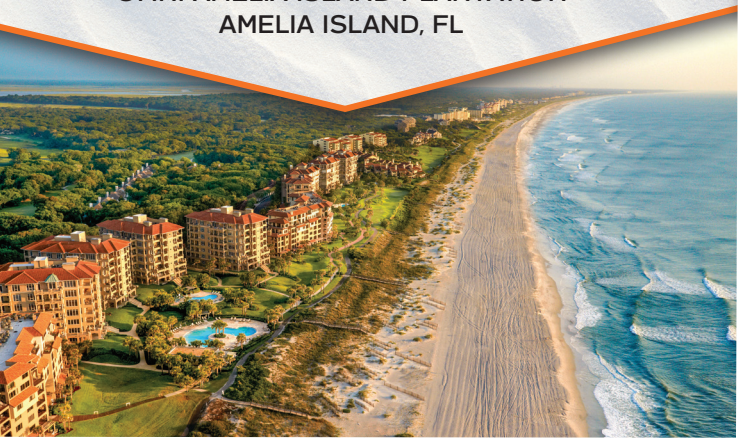


SPECIALIZED TRANSPORTATION SYMPOSIUM

FEBRUARY 18-21
SHERATON CHARLOTTE HOTEL
CHARLOTTE, NC

ANNUAL CONFERENCE

APRIL 14-18
OMNI AMELIA ISLAND PLANTATION
AMELIA ISLAND, FL



CRANE & RIGGING WORKSHOP

SEPTEMBER 16-18
SHERATON DALLAS HOTEL
DALLAS, TX

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

**Excludes the January Board & Committee Meeting*

COMMIT TO QUALITY

Visit **alpswirerope.com** and learn why we are

"The Pinnacle of Quality®"

alps®

ALPS WIRE ROPE CORPORATION

Chicago, IL • Los Angeles, CA • Houston, TX • Harrisburg, PA

MEMBERS OF

AESC IADC AEM AWRF S&RA

KISWIRE

alpswirerope.com • info@alpswirerope.com • 800-424-9984