

Konecranes Liftace reach stackers



What's your world like?

The circumstances of each lift truck driver can be very different: local environment, climate challenges, load capacities, height specifications and individual needs are just a few examples of how they can vary. By listening to you and observing your world, we can design and deliver a lift truck that is ideal for your requirements.

Built for your world

We understand that the world that matters most to you is your world, not ours. Here at Konecranes Lift Trucks, we listen to, learn from, design for, deliver to and support you to help you succeed in the unique conditions at your operations. Our lift trucks are your lift trucks. They are built for your world.

Taking on the world

Lift trucks carry the coffee we drink, the paper we write on, and the bricks that build our homes. Almost everything around us, from cocoa to car parts, has been transported by lift trucks at some time. They play an essential role in the logistics of international trade.

At port, railway or intermodal terminals, in container stackyards or any other logistics hub, Konecranes Liftace reach stackers are renowned for their well proven design, first class components and excellent workmanship. This combination has given them the reputation of being highly efficient and reliable workhorses, easy to maintain and service.

Konecranes Liftace reach stackers meet the modern challenges of professional container or heavy general cargo handling with an impressive loading capacity of 45 tons, and high working speeds with simple and safe operation.



Safety never ends

Material handling is dangerous work, so safety is the number one priority every single day. Because no two sites are exactly the same, we offer a wide variety of safety options to help you to maximize the safety of the people working in your world.



Top tips for improving safety

Every Konecranes Liftace reach stacker includes plenty of built-in safety features. Here are just a few of the ways you can improve the safety of your reach stacker even further.

Work Zone

Use geofencing to remotely control the driving speed, height restrictions and working area of your reach stackers. This is particularly useful in busy, high-traffic environments.

Electronic scales

Konecranes Liftace reach stacker use a static weighing system to weigh their loads. All operators can see the weight, and an alert warns them of overload.

CheckApp

This mobile truck inspection tool guides drivers through truck inspections. Quicker and easier inspections mean safer trucks, and immediate results help you to plan ahead.

Start with prevention. Your technicians and drivers must be properly trained on Konecranes reachstackers. Then built-in safety features combined with preventive maintenance, CheckApp mobile inspections and taking advantage of Lifetime Advantage upgrades provide the safest reachstackers you can imagine.

Konecranes uses secure Internet to ensure the safety of your usage data as it travels from the trucks to your KONECRANES.com, the customer portal where you can analyze and plan your operations in detail.

Standards matter. Konecranes keeps up with regulatory changes to ensure that your reachstackers comply with your local safety requirements, international safety standards and general good practice for the safe use of lifting equipment.



Konecranes Ecolifting

Every Konecranes Liftace reach stacker is designed with environmental sustainability in mind. Our knowledge and innovative technologies help to make lifting and material flows more productive while minimizing waste, energy and time throughout the value chain.

Proper maintenance using genuine Konecranes parts and services extends the service life of your lift trucks with lower fuel consumption, less wear and tear and more efficient use of resources.

Uncompromized performance

Konecranes Ecolifting future-proofs your lift truck fleet by significantly decreasing your fuel consumption, on-site emissions and overall carbon footprint without reducing performance. Not only do our factories use renewable energy, but our trucks are available with a range of technical innovations and energy options so that you can choose the solution that best suits your world.

HVO100

The latest generation of Konecranes Liftace forklifts can use HVO100, a 100% renewable and fossil-free chemical copy of diesel fuel made mostly of vegetable oil. With almost the same characteristics as regular diesel, it reduces carbon emissions by up to 90%. This is a fast and economical transition that doesn't require changes to your local infrastructure.

KONECRANES
ecolifting



Less CO₂ per move

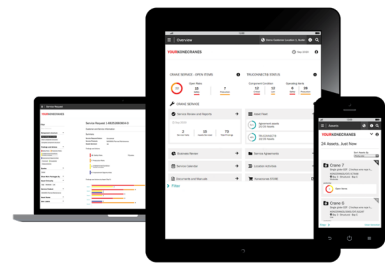
The Path to Ecolifting offers solutions that decrease your carbon footprint without reducing performance.

1. Change from conventional diesel to biofuel.
2. Make your diesel drives as eco-efficient as possible.
3. Step forward to fully electric equipment.



Smart Connected Lift Trucks

We connect data, machines and people to provide you with the insights that allow you to optimize your reach stacker fleet.



yourKONECRANES

All the data from your Konecranes Liftace reach stackers travels securely to our customer portal yourKONECRANES, a userfriendly single point of access for comprehensive information on your fleet and its performance. Customized settings simplify maintenance and asset management.

“Through yourKONECRANES.com, we can follow the performance of each truck, including productivity, operational efficiency and fuel consumption. We can also predict parts needed for future preventive maintenance and repair. This feature will optimize both time and resources.” says Mr. Yu Debin, General Manager of Tianjin Sinotrans Container Development.

Explore more
www.kclifttrucks.com/digital-solutions

To assist you in important operational decisions, we've made our reach stackers smart and connected. Keep up to date with your equipment using analytics about the current condition by sending analytical data to the online customer portal yourKONECRANES. There you can adjust equipment settings, plan maintenance, and optimize your operations for your world.

Konecranes TRUCONNECT telematics and the yourKONECRANES customer portal offer near real-time monitoring and diagnostics. Online trucks allow you to follow truck movements, check oil, monitor tire pressure, improve energy consumption and much more that will boost the safety and efficiency of your operation.

In 2012, we sold our first Smart Connected Lift Truck. Since 2022, TRUCONNECT® has been standard on all new Konecranes lift trucks.



Get your Lifetime Advantage

After you purchase a Konecranes Liftace reach stacker, we offer you far more than just after-sales service. You can get resources for truck maintenance, fleet management, investment growth and safety enhancements, all backed up by a dependable support network.

Because this is available to you for the entire life cycle of your Konecranes reach stacker, we call it the Konecranes Lifetime Advantage. It's a better experience.



A smarter maintenance experience

Our Smart Connected Lift Trucks resources give you a clear view of your Konecranes machine. See its current status along with its overall performance. Then access simple-to-use tools such as CheckApp and Maintenance Planner to put your insights into action. A clear view leads to smart maintenance and a lifetime of reliable performance.



A wiser management experience

Konecranes digital tools help you to better assess the efficiency, cost effectiveness and productivity of your reach stacker fleet. Understand how your machines are being used, the driving patterns of your team, and the overall sustainability of your operation. Accurate, up-to-date knowledge means smarter decisions and a lifetime of fleet efficiency.



A cleverer investment experience

Your reach stacker fleet is a significant investment. We help you to preserve its value through our upgrade packages, retrofits and sustainability improvements. You get a feeling of “money well spent” with a reliable fleet that gives you a solid return on your investment. The longer you stay with us, the better your investment will look.



A safer driving experience

Safety is embedded in everything we do. It's the first thing on our minds when designing our reach stackers, when thinking about their maintenance, and when considering your drivers' day-to-day machine handling experience. A safer reach stacker is a better reach stacker. Lifetime Advantage prioritizes safety in and around Konecranes reach stackers.



A dependable team with experience

With the deep knowledge that comes from many decades of designing, manufacturing and selling reach stackers, we offer you outstanding technology and expertise through carefully chosen distributors who are fully committed to the success of our customers. For the entire life cycle of your equipment, we will always be at your side.

Genuine Konecranes parts and promotions

Genuine Konecranes parts are the best protection for your investment increasing the reliability and performance of your Konecranes reachstackers.

Explore more
kclifttrucks.com/lifetime-advantage

Lift trucks fleet upgrade builds productivity in Tianjin



Since its incorporation in 2002, Sinotrans Limited has become one of the largest logistics companies in China. Their subsidiary Tianjin Sinotrans Container Development (TSCD) offers container storage and maintenance services for the shipping industry at the Port of Tianjin, the largest port in China and the main maritime gateway to Beijing.

The right equipment makes all the difference

This demanding work environment creates a constant flow of containers in and out of the TSCD yards on a tight, 24-hour schedule. Constant operation keeps fuel, maintenance and downtime costs high and older equipment, using older technology, tends to produce more carbon emissions. So TSCD wanted to upgrade their lift truck fleet with dependable container handling machines that offer the latest in lifting technology for high handling rates and low operating costs, while maximizing uptime and minimizing emissions.

To implement this upgrade, TSCD received delivery of 7 Konecranes lift trucks in 2022. There were 3 Konecranes Liftace 4532 TCE5 reach stackers, sturdy 45-ton machines able to stack up to 5 laden containers high. These next-generation machines add power with a box-type chassis, wide drive axle and long wheel base for high stability and safe handling.

TSCD also received 2 Konecranes Liftace E 6/7 ECC 9 empty container handlers, and 2 Konecranes SMV 6/7 ECC 90 empty container handlers. With a lifting capacity of 9 tons, they can stack up to 6 empty high-cube containers or 7 standard containers. Although both models are powerful, durable and similar in design, the Liftace is meant to operate as delivered, while the SMV is easy to customize, adding flexibility to yard lifting tools when needed.

Fitted with a spacious cabin and ergonomic controls, the 7 lift trucks provide drivers with large, lowered front windows without corner posts, for excellent visibility in all directions. The trucks use a Tier 3 engine to maintain productivity while minimizing fuel consumption and emissions.

In addition, they are all Smart Connected Lift Trucks. TRUCONNECT® Remote Monitoring collects usage data, all of which TSCD can easily access via the customer portal yourKONECRANES.com.



Name: Sinotrans Limited

Industry: Ports & Terminal

Country: China

"Through yourKONECRANES.com, we can follow the performance of each truck, including productivity, operational efficiency and fuel consumption," says Mr. Yu Debin, General Manager of Tianjin Sinotrans Container Development. "We can also predict parts needed for future preventive maintenance and repair. This feature will optimize both time and resources."

Service combined with technology

Sinotrans demands high-quality equipment supported by excellent service and Konecranes has been able to deliver on both counts. Since 2018, Sinotrans has been operating Konecranes reach stackers and empty container handlers at several locations, and with these 7 new machines, they have a total of 19 Konecranes lift trucks at 6 sites. Every time they've introduced Konecranes equipment at another facility, they've seen safety and productivity increase, while emissions and downtime have reduced and fuel consumption has dropped by at least 30%. Advanced technology, preventive maintenance and local service have simplified fleet management and operational efficiency.

"We always pay attention to customers' needs for low carbon and digitization," says Mr. Ren Daohong, General Manager of KCL Lifttrucks North and key account manager for Sinotrans. "Sinotrans is very sensitive to product performance and cutting-edge technology. Konecranes smart systems will help Tianjin Sinotrans reach a balance between safety, efficiency, environmental protection and cost, and achieve many business breakthroughs."

"We can also predict parts needed for future preventive maintenance and repair. This feature will optimize both time and resources."

-Mr. Yu Debin, General Manager of Tianjin, Sinotrans Container Development, China.

Watch now



Driver-friendliness

For the driver spending countless hours in a lift truck, the most important thing is probably not the return on investment or the overall performance of the fleet. Drivers want to feel secure and comfortable, and have the opportunity to do their jobs with precision and effectiveness.

Meeting the needs of drivers



The OPTIMA cabin is designed to enhance comfort, safety, and productivity for Konecranes lift truck operators. It is the market leader in terms of visibility, featuring large, unobstructed windows that provide remarkable sightlines in all directions. The cabin also includes an integrated touch screen for full monitoring of vital components and ergonomic instrumentation for easy access to controls. The driving experience is further improved with adjustable seating, climate control, and low noise levels. Its robust steel structure ensures durability, while customizable options like lift controls and cabin positioning cater to various operational needs.

01 SMART AND CONNECTED

TRUCONNECT Remote Monitoring services enables tracking of the real usage of the truck. The connection will provide means to improve safety, keep track of operations and plan maintenance.

02 MODERN AND DURABLE LIFTING SPREADER

Top-lift for 20/40 ft containers, +105/-195 degrees rotation, +/-800 mm total sideshift, 4 lift eyes for sling cargo. Mechanical pile slope (MPS ±2 deg).

03 SMART LOAD-SENSING HYDRAULICS

Specially designed hydraulics sense the weight of the load and adapt lifting power accordingly. The truck provides maximum power only when really needed, so it consumes less fuel while reducing emissions and noise.

04 POWERFUL ENGINE

Certified low-emission engine provides extra high torque at low revs for reduced fuel consumption and low noise levels.

05 EXCELLENT STABILITY

Wide, strong drive axle and long wheelbase means stability and safe lifting of heavy loads.

06 WELDED BOX-TYPE LIFT BOOM

A strong box-type lift boom which lowers stresses and extended design lift of the lift boom. The four-plate box section gives excellent bending resistance and torsional stiffness, resulting in a precise and predictive driving behavior.

07 ELECTRONIC MACHINE CONTROL, EMC MASTER

You can monitor vital components and functions on a 7" touch screen. CanBus technology increases engine and transmission reliability as well as hydraulic and joystick control.

08 OUTSTANDING ERGONOMICS

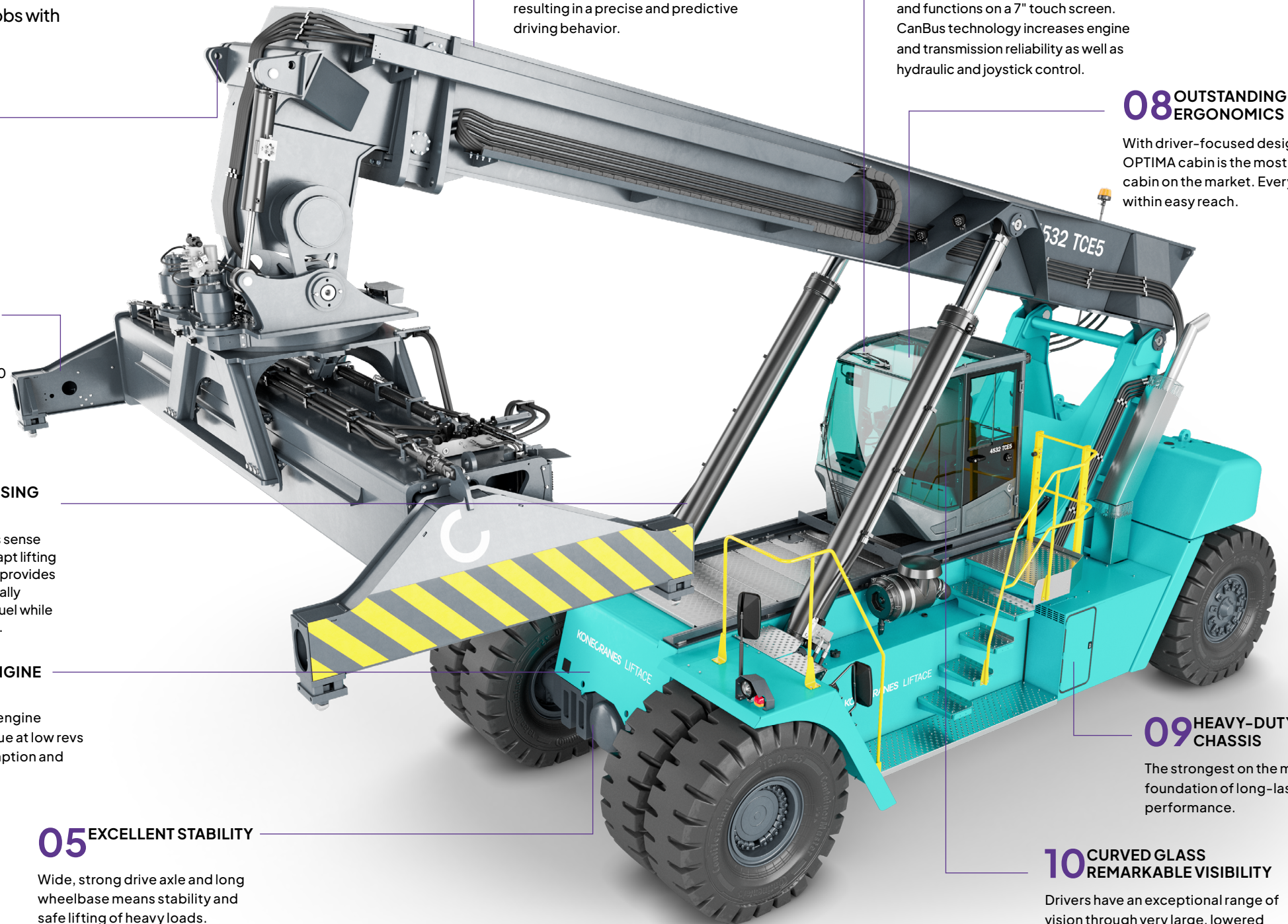
With driver-focused design the OPTIMA cabin is the most spacious cabin on the market. Everything is within easy reach.

09 HEAVY-DUTY BOX-TYPE CHASSIS

The strongest on the market. The foundation of long-lasting high performance.

10 CURVED GLASS REMARKABLE VISIBILITY

Drivers have an exceptional range of vision through very large, lowered windows with no corner posts, a thin but very strong roof crossmember, and curved panels.



Quality you can trust

All our lift trucks are built for your world, the Konecranes Liftace 4532 TCE5 is no exception. Konecranes high quality core components, such as strong chassis, proven major components, and a durable spreader, enable a steady performance and high uptime.

The Konecranes Liftace 4532 TCE5 reach stackers' working speeds enable efficient handling rates increasing productiveness of your operations. The low fuel consumption and predictable maintenance costs make the machine economical to operate and maintain. Reliable monitoring and excellent visibility of Konecranes Liftace 4532 TCE5 reach stackers increase the driverfriendliness and safety of your drivers and other nearby personnel.

Benefits

- Reliable lift truck with full performance.
- Optima cabin for outstanding comfort and superior visibility.
- Work Zone based on GPS technology to define virtual fences around real world areas. Improves safety by setting speed limits and height limitations within the zone.
- Smart load-sensing hydraulics means less fuel consumption, reduced noise and emissions.
- Safe lifting and driving with heavy loads thanks to the chassis, strong boxed lifting boom and better visibility. The strength, performance and reliability of every Konecranes lift truck are based on our proven technology.

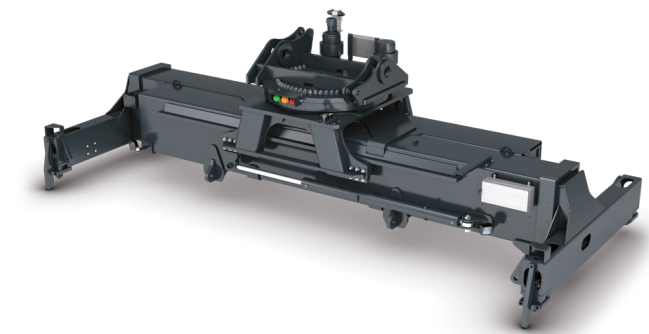


What do you need to lift?

Our Konecranes Liftace reach stacker attachments includes solutions for lifting containers as well as material requiring a hook. Contact your sales representative to discuss your lifting requirements.

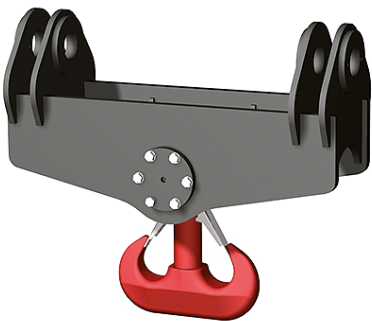
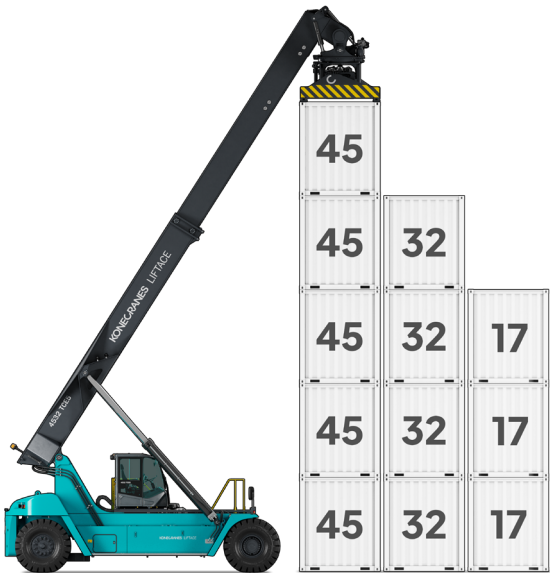


4532TCE5



Reach stacker spreader

Telescopic spreader for laden ISO containers up to 46 tons. Strong parallel double beam spreader design, floating twistlock (± 10 mm) with hydraulic operation and mechanical safety locking. Hydraulic extension with 2 cylinders (20–40 ft), big sideshift (± 800 mm) and full rotation ($-105/+195$ deg). Spreader side tilt with stroke of ± 2 deg (MPS = mechanical pile slope) and 4 lift eyes included for slings (46 ton). ELME 817–HPS with a stroke of ± 6 deg (HPS = hydraulic pile slope with 4 cylinders). Weight of spreader is approx 7,7 tons without extra equipment.




Free slewing hook

Konecranes® Liftace free slewing hook for any pick and carry operation.

- Capacities up to 60 tons.
- 360° continue operation
- Ramshorn hook



Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,500 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2024, Group sales totalled EUR 4.2 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

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