

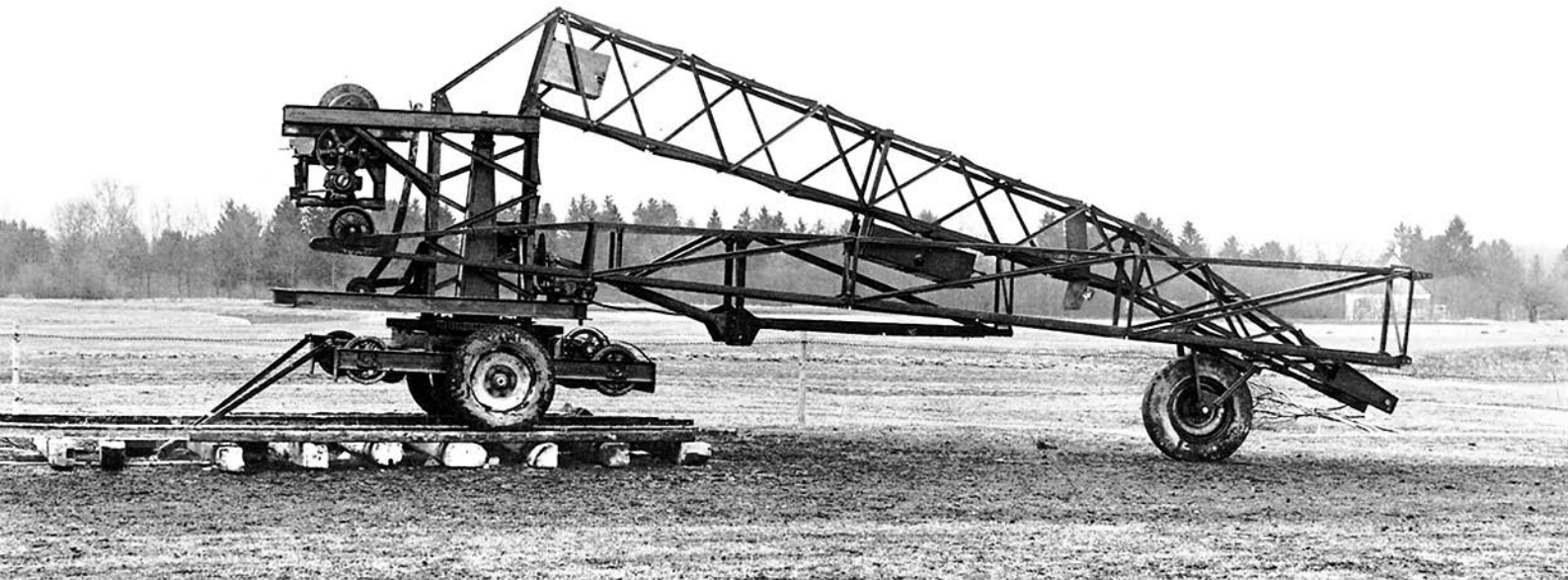
The L1 series.

**Compact power.**



**LIEBHERR**





1949: The start of the success story.





# **Today: A new generation**

Fascinatingly compact, powerful  
and flexible – discover the cranes  
in the L1 series.

# Performance redefined

The hydraulic fast-erecting cranes  
of the L1 series.

The L1 supplies a solution for two of your main challenges  
on site – the power to move heavy loads without taking up  
too much space.



**1949. Hans Liebherr, master builder, visionary and founder of the global group of companies develops the first mobile tower crane.**

Because it could be erected quickly and at low cost on site, it fast became the perfect tool for successful building contractors. Over 60 years of experience and more than 70,000 tower cranes later, this concept has reached a new dimension.

**Today.** This new series enables us to supply you with a functional crane to make building contractors' work more efficient – the L1. These hydraulic fast-erecting cranes combine power and compact dimensions with maximum safety. It is a series which is ideal for meeting the requirements of your site and is also very attractive to look at.



## Design and function

The new L1 series combines innovative technology with a clear, modern design. The result is a powerful fast-erecting crane which delivers improved ergonomics, excellent access for erection and maintenance work and a modern, attractive design. An overall package which will enhance any site.



Small and perfectly formed – the compact slewing platform of the L1 series





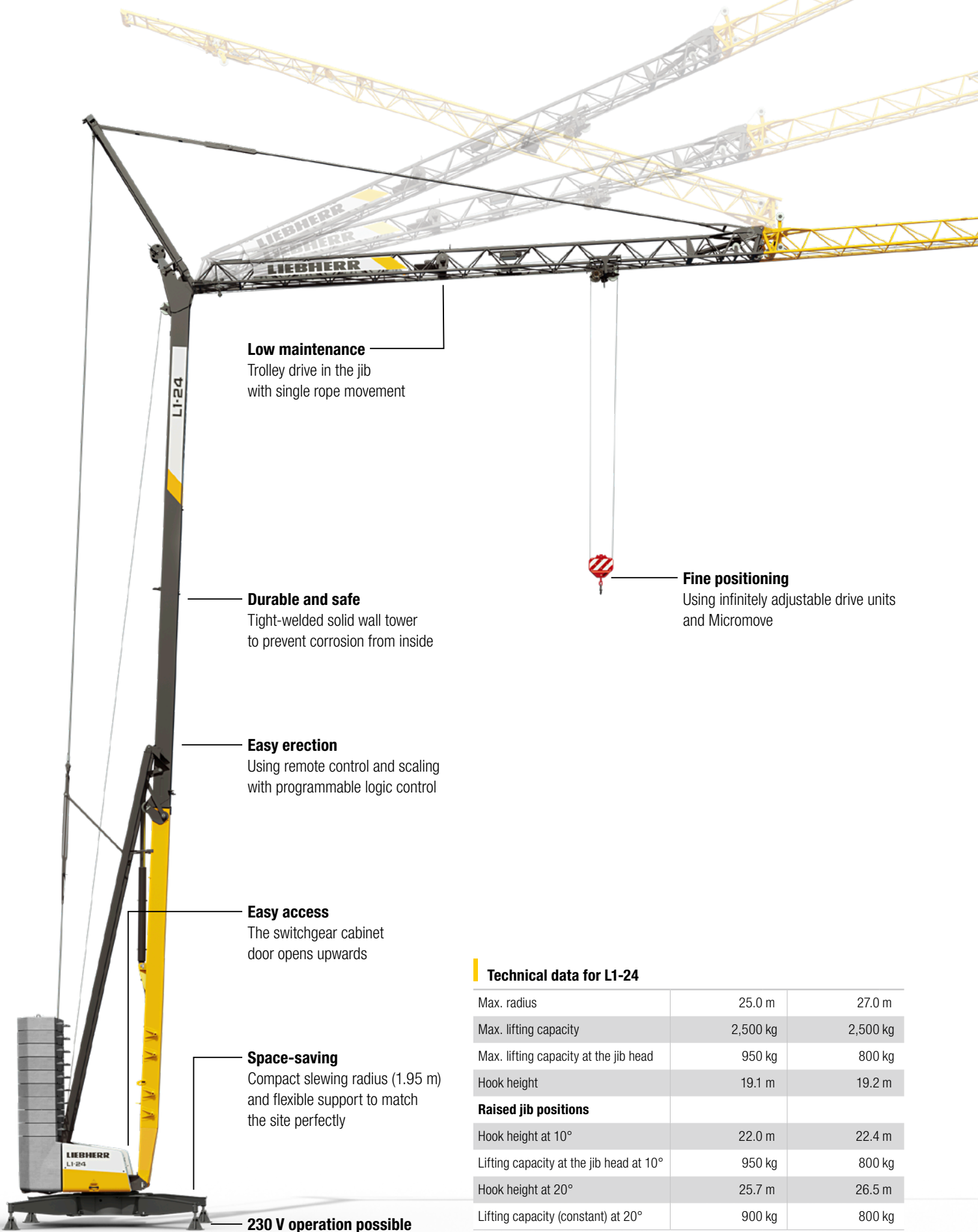
## A safe success

When developing the crane we focused on exactly what requirements you make on a crane of this class. The specially developed advanced drive units enable the crane to move quickly and precisely to ensure efficient load handling. The 2-channel sensors together with the intelligent control

technology ensure that all crane functions have double safety systems. The Micromove fine positioning mode, load swing damping and operating-range limiting system deliver enhanced safety on site – for both personnel and material.



Settings to suit you: simple operation on the easily accessible switchgear cabinet



**Low maintenance**  
Trolley drive in the jib with single rope movement

**Durable and safe**  
Tight-welded solid wall tower to prevent corrosion from inside

**Easy erection**  
Using remote control and scaling with programmable logic control

**Easy access**  
The switchgear cabinet door opens upwards

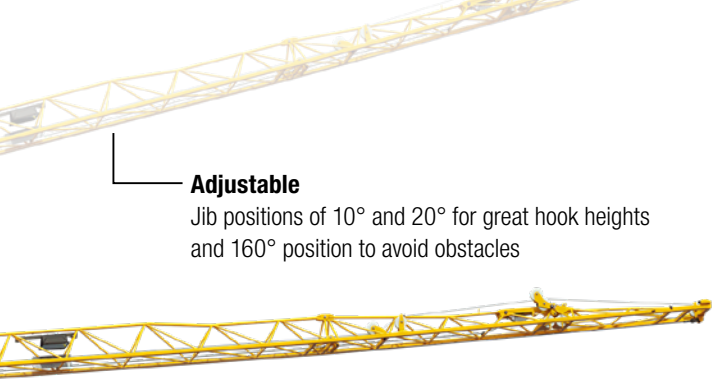
**Space-saving**  
Compact slewing radius (1.95 m) and flexible support to match the site perfectly

**230 V operation possible**

**Fine positioning**  
Using infinitely adjustable drive units and Micromove

**Technical data for L1-24**

Max. radius	25.0 m	27.0 m
Max. lifting capacity	2,500 kg	2,500 kg
Max. lifting capacity at the jib head	950 kg	800 kg
Hook height	19.1 m	19.2 m
<b>Raised jib positions</b>		
Hook height at 10°	22.0 m	22.4 m
Lifting capacity at the jib head at 10°	950 kg	800 kg
Hook height at 20°	25.7 m	26.5 m
Lifting capacity (constant) at 20°	900 kg	800 kg



**Adjustable**

Jib positions of 10° and 20° for great hook heights and 160° position to avoid obstacles

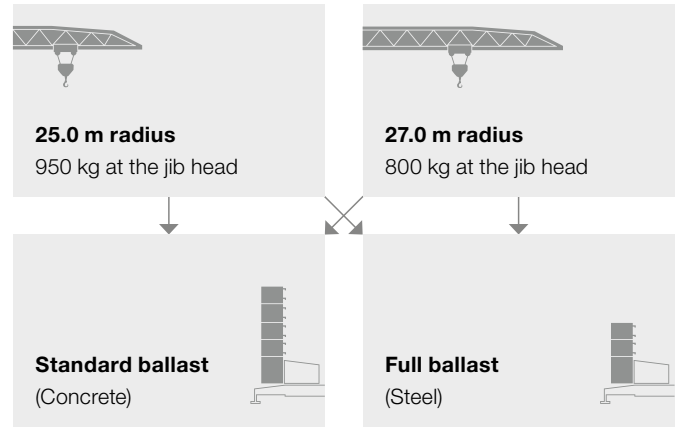
**Flexible**

Using adjustable jib lengths

# L1-24: Variable compact class

**The L1 series has a perfectly configured solution to meet any challenge.**

The L1-24 is available with a radius of either 25.0 or 27.0 metres and two ballast versions. The simple standard concrete ballast is supplied to the site on the tractor vehicle where it can be quickly assembled. The steel full ballast means no additional transport and assembly costs.



**Getting close**

With a short overhang

**Efficient**

Only one transport unit required with full ballast

**Manoeuvrable**

Compact wheel gauges for tight cornering

**Modular**

Lots of existing Liebherr axles can be used for low-speed and high-speed operations

**Compact transport dimensions**

### Adjustable

Jib positions of 10° and 20° for great hook heights and 160° position to avoid obstacles

### Flexible

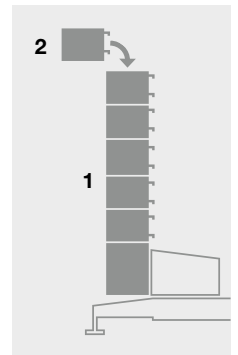
Using adjustable jib lengths

## L1-32: Powerful lightweight

Special attention was given to efficient transport logistics for the L1 series as this saves both time and money.

With a standard truck and trailer combination, the crane can be driven to the site and erected on day one with a total of 15 tonnes of ballast (1). The crane is then fully functional for operating with slightly reduced lifting capacity values. The remaining two tonnes of ballast (2) can be delivered later so that the higher lifting capacity table can be selected. The crane can then operate at full capacity.

This means that the transport and erection operations are more efficient since the L1-32 is immediately ready for action without requiring multiple transport journeys.



### Getting close

With a short overhang

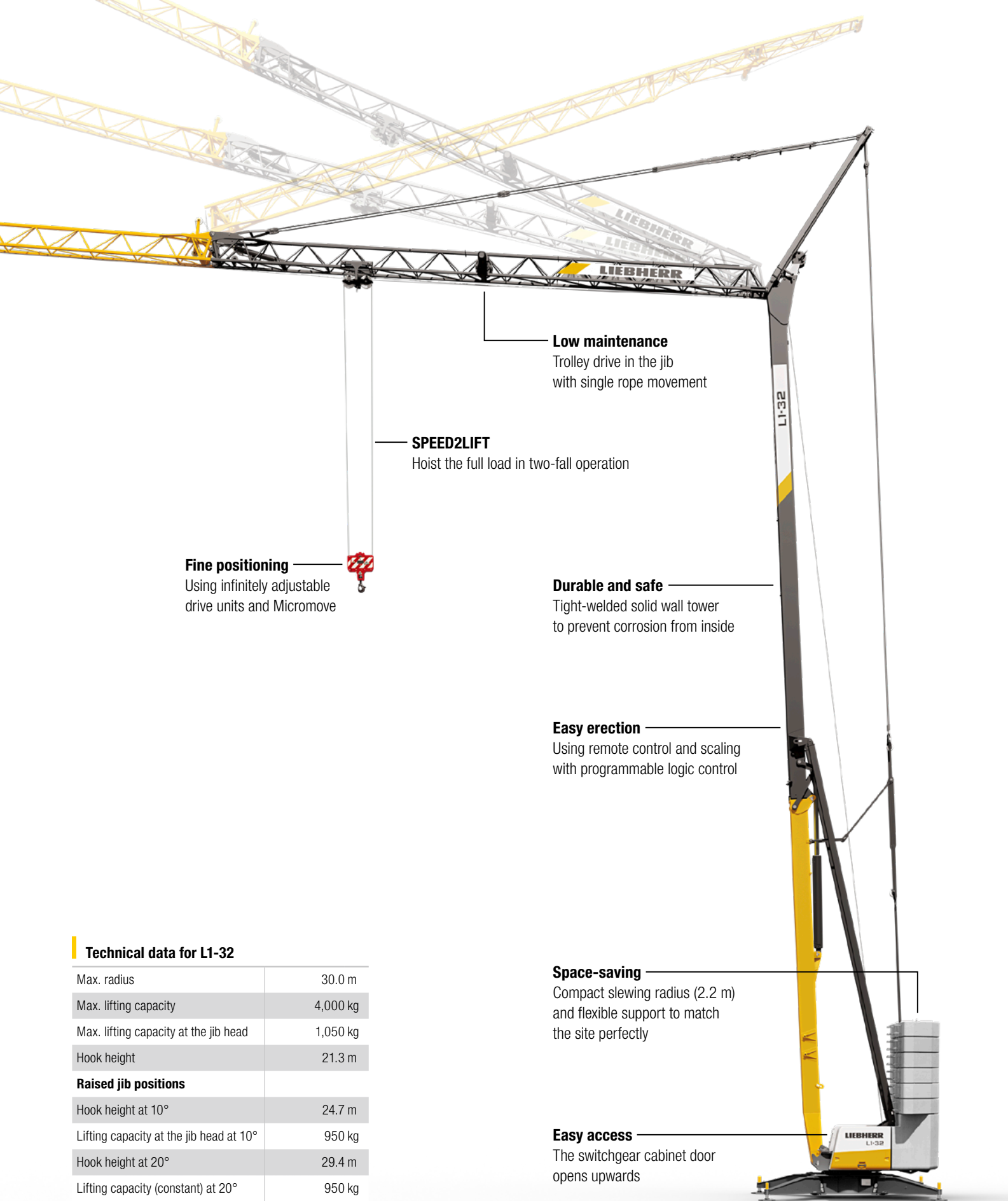
### Manoeuvrable

Compact wheel gauges for tight cornering

### Modular

Lots of existing Liebherr axles can be used for low-speed and high-speed operations

### Compact transport dimensions



**Low maintenance**

Trolley drive in the jib with single rope movement

**SPEED2LIFT**

Hoist the full load in two-fall operation

**Fine positioning**

Using infinitely adjustable drive units and Micromove

**Durable and safe**

Tight-welded solid wall tower to prevent corrosion from inside

**Easy erection**

Using remote control and scaling with programmable logic control

**Space-saving**

Compact slewing radius (2.2 m) and flexible support to match the site perfectly

**Easy access**

The switchgear cabinet door opens upwards

**Technical data for L1-32**

Max. radius	30.0 m
Max. lifting capacity	4,000 kg
Max. lifting capacity at the jib head	1,050 kg
Hook height	21.3 m
<b>Raised jib positions</b>	
Hook height at 10°	24.7 m
Lifting capacity at the jib head at 10°	950 kg
Hook height at 20°	29.4 m
Lifting capacity (constant) at 20°	950 kg



# **A reliable partner**

“The good thing about Liebherr is that they know exactly what we really need out there.”

Marco



# Your requirements - our solutions

You face different challenges on every site.

L1 series cranes can tackle them all.

## Multiple cranes

Thanks to different raised jib positions, the L1 can be adjusted to the site situation with great ease. That means multiple cranes can work together in a very small area.

## Space problems

You don't always need a roadblock. Thanks to the flexible support base, the crane's support area can be reduced to less than 4 metres. The extremely small overhang in the transport position enables the cranes to be placed very close to the building trench or edge of the building.

## Sensitive load

Filigree prefabricated parts and fragile components have to be positioned gently. That is why loads can be positioned with great accuracy and held without jerking using the Micromove function.

## Danger zones

Railway tracks, nurseries, electricity cables – you can simply exclude all the areas where a load cannot be swung using the operating range limiting system.

## Heavy loads

What about a bit more? Simply reducing the length of the jib enables you to increase the lifting capacity.

## Difficult transport

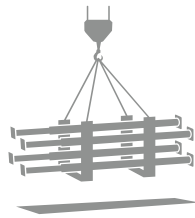
If the ground is too soft and the crane threatens to sink into it during transport, simply reduce the crane's weight. The basic ballast can be removed easily and then refitted quickly during the erection process.



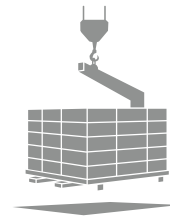


Hoist what you want –  
up to 4,000 kg.

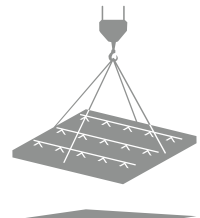
**Building supports**  
approx. 500 – 1,000 kg



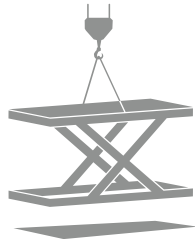
**Stone pallets**  
approx. 700 – 800 kg



**Filigree ceilings**  
approx. 900 – 2,000 kg



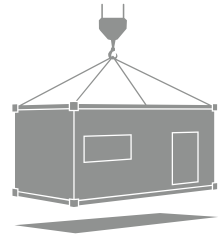
**Building platforms**  
approx. 1,000 kg



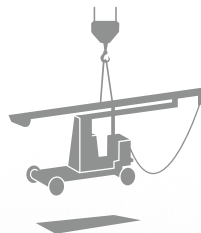
**½ m³ concrete buckets**  
approx. 1,300 kg



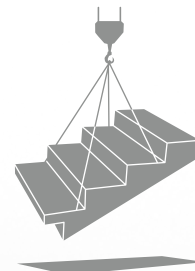
**Site containers**  
approx. 1,500 – 2,000 kg



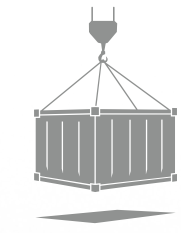
**Building cranes**  
approx. 2,200 kg



**Prefabricated  
concrete element**  
approx. 3,000 – 3,500 kg



**Material containers**  
up to 4,000 kg



Load examples for illustration purposes only.

# Quality that pays dividends

“What do I look for from a new purchase?  
Price, performance and service.  
I’ll only be buying it if it has them all!”

Erich

With its L1 series, Liebherr can supply fast-erecting cranes that deliver impressive performance. What is more, their clever transport and erection concept ensures that they save you both time and money. In addition to durable cranes, Liebherr is renowned for its wide network of professional partners. That means you always have support nearby.

After all, only if your crane is reliable in the long term and delivers maximum safety will it above all be the one thing you want: a great investment.



## Powerful arguments

- Cranes fully operational with just one transport journey
- Space-saving adjustment on site thanks to compact dimensions and flexible support
- Attractive design to make a good impression on site
- Efficient handling capacity using Liebherr high-performance drive units





**Liebherr -  
cranes for  
generations**

# And tomorrow?

Since the development of the first tower crane more than six decades ago, we have been working with passion on innovations to bring people further. These include fast, accommodating service and a broad network of competent partners.

Contact your local dealer for personal advice about the new compact L1 series.

**[www.liebherr.com/L1](http://www.liebherr.com/L1)**



