

KOBELCO

SL6000S
SL4500S

Responsibility Builds the Future.

Wherever the future is under construction, from large-scale plant and energy-related projects to infrastructure maintenance, you'll find Kobelco's super large size SL6000S and SL4500S crawler cranes in the thick of the action. Ergonomic for maximum comfort. Eco-engineered to be friendlier to our Earth. Kobelco Cranes embody new values.

SL6000S

Max. Lifting Capacity :

550t

STANDARD

HEAVY LIFT

SUPER HEAVY LIFT

Max. Boom Length: 108m*1 / Max. Luffing Jib Combination: 60+72m

Max. Boom Length: 108m*1 / Max. Luffing Jib Combination: 66+72m

Max. Boom Length: 126m*1 / Max. Luffing Jib Combination: 84+84m

SL4500S

STANDARD CONFIGURATION

Max. Lifting Capacity :

400t

STANDARD

HEAVY LIFT

SUPER HEAVY LIFT

Max. Boom Length: 96m*1 / Max. Luffing Jib Combination: 66+66m(72+54m)

Max. Boom Length: 84m / Max. Luffing Jib Combination: 72+66m(78+54m)

Max. Boom Length: 84m / Max. Luffing Jib Combination: 78+66m(84+54m)

LIGHT CONFIGURATION

Max. Lifting Capacity :

300t*2 / 180t

Luffing Boom Max. Boom Length: 78m

Long Boom Max. Boom Length: 96m

Luffing Jib Max. Luffing Jib Combination: 66m+66m

*1. Long Boom *2. With Standard Boom Configuration (width 3.0m boom)

The following abbreviations are used through this catalogue. STD: Standard HL: Heavy Lift SHL: Super Heavy Lift

●The photo is a composite.



Performance

**Toughness and luxury.
Incredible manoeuvrability makes
work efficiency leap ahead.**

Lightweight, Solid Upper Frame

The upper frame has been newly designed to increase sectional strength and optimise the frame's stress capacity. This enhances rigidity and contributes to the crane's exceptional lifting capacity.

High-strength Lattice Boom, Ready for Hard Work

Large-diameter main pipe strengthens the boom to significantly boost lifting capabilities.

Double Motors for Smooth Travel

The crawler has double motors, one in front and one in the rear, delivering steady, powerful traction for smooth on-site travel.



**Smooth Hoisting Increases
Work Efficiency**

Hoisting speed increases by approximately 30% ensuring faster, more efficient work.

Wide, Large-capacity Winches for Smooth High-rise Work

The wide hoist winches provide an impressive spooling capacity of 1,080m* of 28mm hoist rope. Their large capacity and large diameter prevent uneven spooling and wear while ensuring smooth operation during high-rise work with a long boom combination. *SL6000S figure.



Powerful Line Pull Winch Makes Tough Jobs Easy

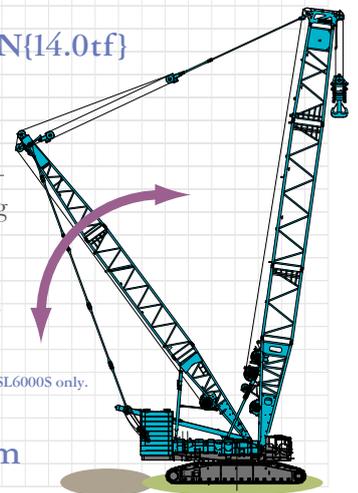
With the efficient combination of a high-output engine and high performance hydraulic motors, the winches deliver plenty of line pull for single-line work. There's also ample capacity to get even the heaviest loads off the ground.

Rated Line Pull (Single Line)	SL6000S, SL4500S Light Configuration	137kN{14.0tf}
	SL4500S	132kN{13.5tf}

Adjustable HL Mast

With the adjustable HL mast, the rear swing radius can be set to one of three options* to suit work site conditions. This guarantees optimised lifting performance even on small sites. *Two options for SL4500S.

HL Spec. Max. Lifting Capacity	Heavy Duty Crane Boom	370t×8.3m *SL6000S only.
	Luffing Jib: SL6000S	200t×14.4m
	Luffing Jib: SL4500S	113.5t×16.0m



Light and easy. Innovation upon innovation for superior transportability.

Transportation Plans

Model	SL6000S	SL4500S	SL4500S Light Configuration
Transport Weight	63,530 kg *A 44,310 kg *B	60,085 kg *C 45,000 kg *D	60,085 kg *C 45,000 kg *D
Transportation Width	3,000 mm	2,990 mm	2,990 mm

* A,B,C,D, please refer to page 9.

Kobelco's Lightweight Upper Frame

A new ultra-solid structure and top-quality high-tensile steel plate enable Kobelco to engineer and build a unique lightweight upper frame. So they're easier to transport than other conventional cranes in their class, not to mention simpler to assemble and disassemble.

Easy-to-transport Swing Cab

With plenty of room for the operator, the swing cab has a practical design for easy transportation. The cab swings away and stows in front of the base machine, reducing the transport width of the upper machine to just 3m.

New Crawler Frame

The crawler frame has the lower rollers fitted inside to increase sectional strength, and uses high-grade, high-tensile steel plate to minimise weight.



● The photo is a composite.

Winches Mounted on Mast and Boom

The boom hoist winch is mounted on the mast, and the hoist winches are mounted on the boom base. This not only reduces the weight of the base machine, but also saves time labour, and money, because the boom and mast can be transported with winches attached.

※SL4500S: The boom hoist winch is mounted on the base machine for crane operation and on the mast for transportation.



Attachment Transport / Disassembly Streamlined in 6 Big Ways



1 | Steel bar pendant

NEW

The steel bar design is adopted to streamline assembly. It reduces rotation and misalignment during transport.

※SL6000S only



2 | New counterweights

NEW

A newly designed counterweight allows basket-rigging on the proper lifting rug provided outside of the counterweight. It helps reduce rigging time and create stable lift handling when assembling and disassembling the counterweight.



3 | Wireless remote assembly controller

This standard feature also allows you to start the engine from outside the cab.



4 | New reeving winch system

NEW

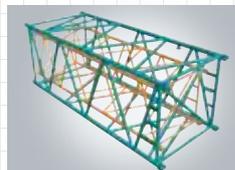
Both the main winch and the reeving winch can be operated from inside the cab. Both winches have speed-adjusting trimmers that ensure simple, accurate control of winding speed.



5 | Boom width: 3.0m

Specially designed boom fits in 3.0m width.

※SL4500S Light Configuration: 2.5m width.



6 | Nesting boom

The luffing insert jib can be easily nested in the insert boom by using the optional stowing guide rollers. This reduces the number of trailers needed for transport and minimises storage space requirements.

Versatile Attachment Configurations

- Boom Base
- Insert Boom
- Tapered Boom
- Heavy Duty Boom Top
- Luffing Boom Top
- Luffing Jib Base
- Luffing Insert Jib
- Luffing Jib Top
- Insert Boom (Long)

※ Boom configuration is for illustrative purposes only.



Sharing Booms Reduces Storage and Transportation Costs

The boom base and insert boom can both be used in crane boom, long boom, and luffing jib specifications. What's more, the long insert boom with long specifications, long upper boom, and luffing insert jib with luffing jib specifications, and luffing jib top can also be shared. This reduces costs and labour involved in changing specs, in storage, and in transport. Furthermore, as each insert is of the same diameter and thickness of pipe, they can be assembled in any order, and can also be transported.

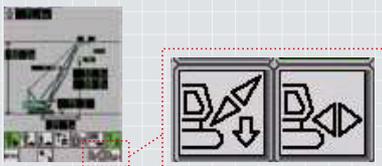
SHL Pallet Reduces Ground Pressure

The Super Heavy Lift (SHL) pallet weight is only 1.4kgf/cm², reducing the need for ground preparation work.



Enhanced Safety in Boom Assembly/Disassembly

The assembly/disassembly mode provided in M/L system enables assembly/disassembly without releasing the over-hoist prevention function. When the boom sets above a certain angle, assembly/disassembly is set to safe operation mode automatically.



Self-erection System Option

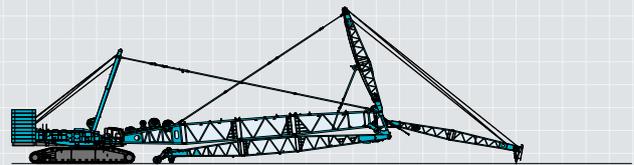
Use the built-in, remote controlled translifter (jack system) to lift the SL6000S and SL4500S clear of the trailer, then drive the trailer away. The self-assembly cylinder installed on the mast is used to install the crawler side frames and /or the boom.

SL4500S Can Be Used as a Light Configuration Crane, Too

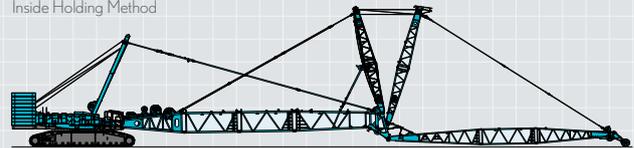
SL4500S can be operated as a light configuration of the 300t class, which is quite often needed on site. The counterweights can be used as a standard 231t or as 151t light configuration, and the booms are 3.00m wide for the standard and 2.50m for the light configuration. This saves both transport cost and assembly time.

Choice of Methods for Assembly/Disassembly of Luffing Jib

Jib assembly is possible using either the extended or inside holding methods. On sites where space is available, the extended method is faster, but the inside holding method, in which the jib is folded under the boom, can be used for assembly/disassembly when site space is limited.



Inside Holding Method



Extended Method

Quick Connection Device Option and Upper Translifter Option for Assembly to the Base Machine

When assembling or disassembling the upper and lower frames of the crane, the hydraulic quick connection device makes the process fast and accurate. In addition, by choosing the optional upper translifter for assembling to the machine, the crane can be assembled without an auxiliary crane.