

SMART INSTALLATION OF SANDWICH PANELS

CL2 SERIES

up to
500 kg
1102 lbs

Power supply
Batteries



The CL2 series is a line of professional vacuum lifters for installing sandwich panels, powered by **rechargeable and interchangeable batteries**.

These models are designed to fully meet handling requirements, as they allow for the lifting and installation of **smooth, micro-ribbed, and trapezoidal sandwich panels** – for both **wall and roof applications** – made of **polyurethane** and **mineral wool**. Indeed, the CL2 vacuum lifters combine a modular structure with a high degree of versatility, thanks to various extension kits that enable **numerous configurations to install sandwich panels up to 26m (85ft)**. Additionally, the suction pads can be replaced with specific kits to install insulated metal panels with special profiles.

Righetti vacuum lifters for sandwich panels comply with **EN13155 standards** as they are equipped with all necessary **safety systems**: dual vacuum circuit, wide vacuum reservoirs, vacuum gauges with color-coded scales, and audiovisual alarms. The CL2 comes by default with a **vacuum control unit** that monitors the proper operation of the vacuum lifter, manages the vacuum pumps and batteries, optimizes energy consumption thanks to an integrated economizer, and displays the battery charge level.

To reduce its size during storage, the CL2's frame can be disassembled and stored on a **compact parking stand**, equipped with a forklift-accessible frame for easy transport and complete with a protective cover.



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Righetti Vacuum Lifters Specialists

CL2 SERIES

WHY CHOOSING CL2?

**ON-BOARD COMMANDS
FOR SUCTION AND RELEASE**
on radio remote controlled models

**REMOVABLE AND
RECHARGEABLE BATTERIES**
with an additional kit of spare
batteries to never stop your job

**PROTECTED, VISIBLE AND
ACCESSIBLE VACUUM FILTERS**
to keep the vacuum lifter system
clean of water and dirt

EN13155 ✓
dual vacuum circuit as default

**INSTALLATION OF EXTRA-LONG PANELS
UP TO 26M (85FT)**
thanks to crossbeam extensions that can be
inserted into the frame without any tools

CE-CERTIFIED ✓

DAMAGE-FREE INSTALLATION
thanks to special suction pads equipped with a
quick-replacement elastic gasket and a spring-
loaded system to counterbalance the natural
deflection of the load.

*The CL2 vacuum lifter is a reliable piece of equipment
that adapts seamlessly to your projects over time.*

✓ **Installation up to 3 times faster**

The CL2 vacuum lifter handles the heavy lifting for you,
with precision and efficiency.

✓ **Reduced construction costs**

By completing the work faster and with smaller teams per
project, you'll reduce construction costs.

✓ **Immediate load suction**

Vacuum circuit designed for immediate and effortless
sandwich panel suction.

✓ **Optimised for transport**

Every piece of the CL2 can be disassembled and stored in
its parking stand, which features a forklift frame.

✓ **Italian Quality**

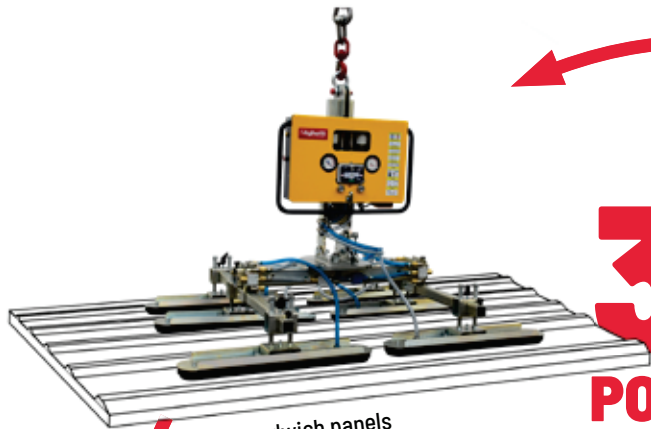
The CL2 is designed and assembled in Italy with materials
that have been tested and selected for best results.

✓ **12-month warranty**

The reliability of CL2 is backed by a 12-month warranty, a
mark of quality and safety.

CL2 SERIES

FOR ROOF AND WALL PANELS



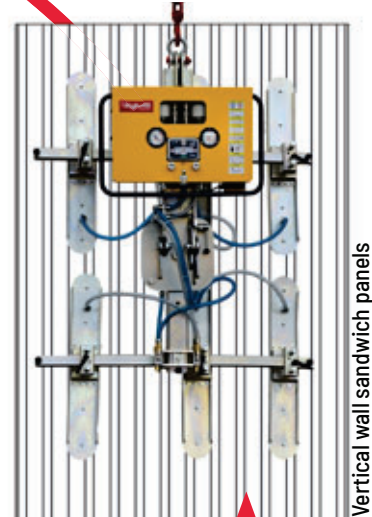
Roof sandwich panels

30+
POSSIBLE
CONFIGURATIONS

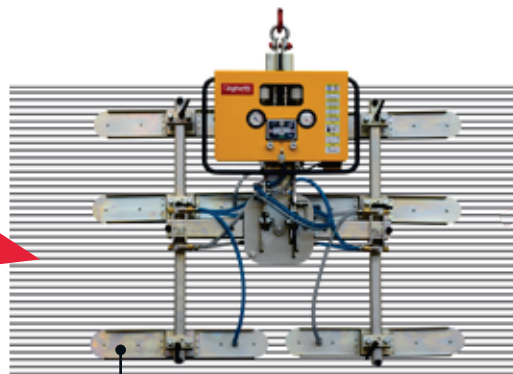
The highly modular and configurable design of CL2 allows it to lift a wide variety of insulated metal panels, **up to 26 meters (85ft)** long and weighing **up to 500 kg (1102 lbs)**.

Configure the CL2 suction lifter to handle:

- roofing, horizontal and vertical wall panels;
- PUR/PIR and rock wool sandwich panels, and trapezoidal roof sheets;
- with smooth, micro-ribbed, and trapezoidal surfaces;
- imitation tile panels, sinusoidal panels, or panels with other special profiles.



Vertical wall sandwich panels



Horizontal wall sandwich panels

0-90° TILT SYSTEM

90° ROTATION

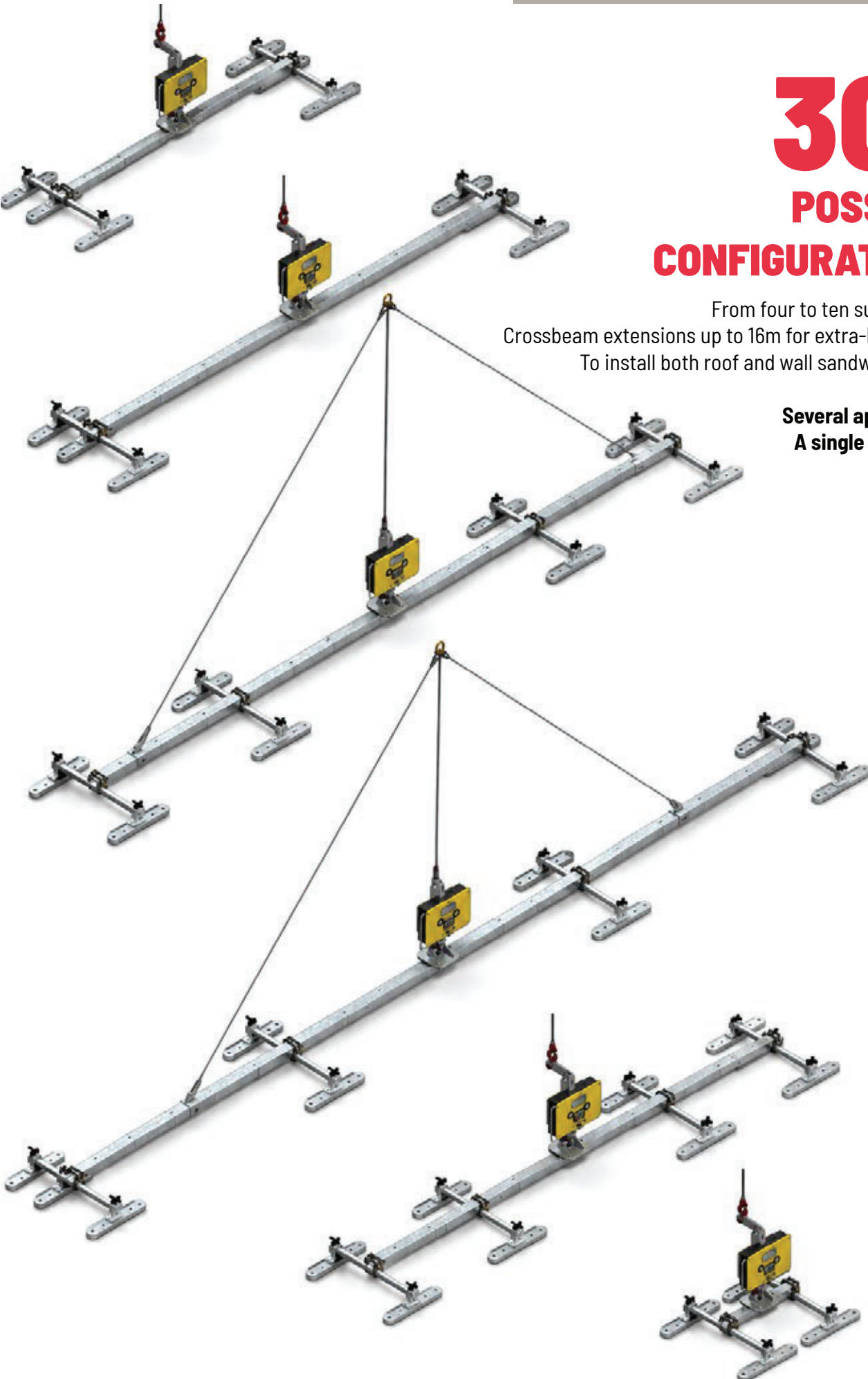
REPOSITIONABLE SUCTION PADS

in a quick and easy way to fit snugly between the ribs. The suction pads can be freely repositioned to adapt to the panel's dimensions, without any restrictions or predetermined positions.

30+ POSSIBLE CONFIGURATIONS

From four to ten suction pads.
Crossbeam extensions up to 16m for extra-long panels.
To install both roof and wall sandwich panels.

**Several applications.
A single machinery.**

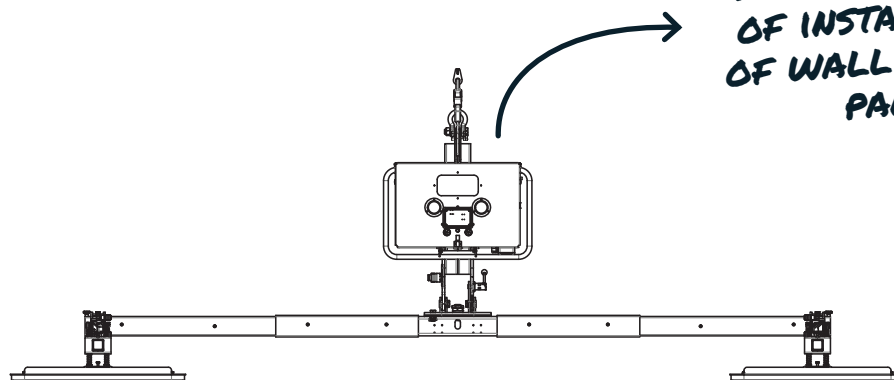


CL2 SERIES

POSSIBLE CONFIGURATIONS

CL2-4000

with a beam 4000mm (13 ft) long



PERFECT FOR 90%
OF INSTALLATIONS
OF WALL AND ROOF
PANELS

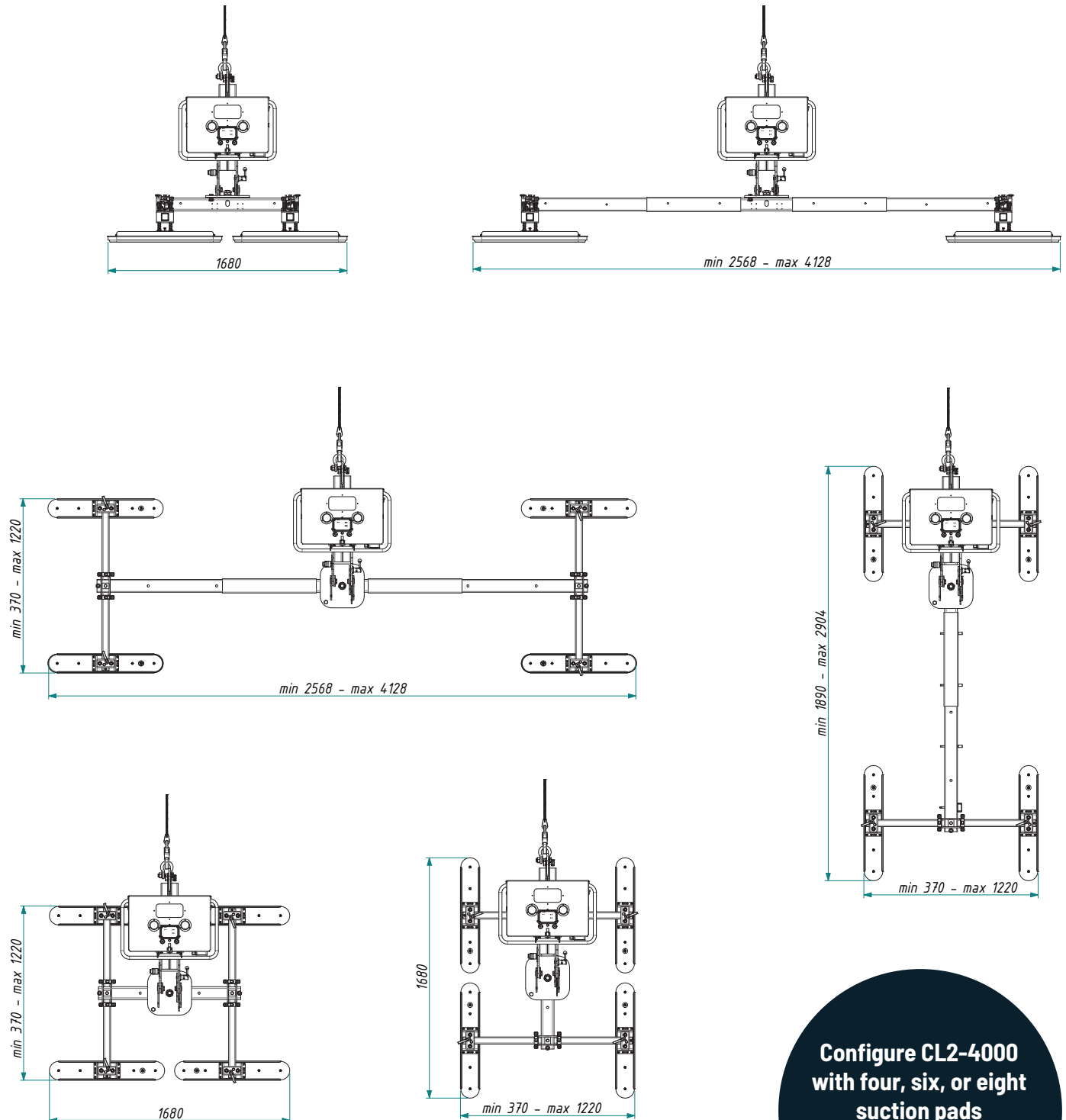
Product codes:

Suction and release of the load	SWL 250kg (551 lbs)	SWL 400kg (881 lbs)	SWL 500kg (1102 lbs)
	n. 4 suction pads	n. 6 suction pads	n. 8 suction pads
Manual (sliding valve)	CL2-4000.02.04	CL2-4000.02.06	CL2-4000.02.08
With wireless radio remote control	CL2-4000.02.04.RC	CL2-4000.02.06.RC	CL2-4000.02.08.RC
Own weight (min - max)	133 - 173 kg (293 - 381 lbs)	152 - 190 kg (335 - 419 lbs)	170 - 208 kg (375 - 458 lbs)

What you need to assemble the CL2-4000 configuration:

Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	2
CL2.V002	Crossarm for suction pads	2
CL2.V101	Vacuum hose L220mm (8.66in)	4
CL2.V102	Vacuum hose L1200 mm (47.2 in)	4
CL2.P001	Spring-loaded suction pad	4 / 6 / 8
To transport CL2-4000:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1

CL2 SERIES

POSSIBLE CONFIGURATIONS**Technical drawings of CL2-4000 configurations:**

**Configure CL2-4000
with four, six, or eight
suction pads
depending on the weight
of the sandwich panels**

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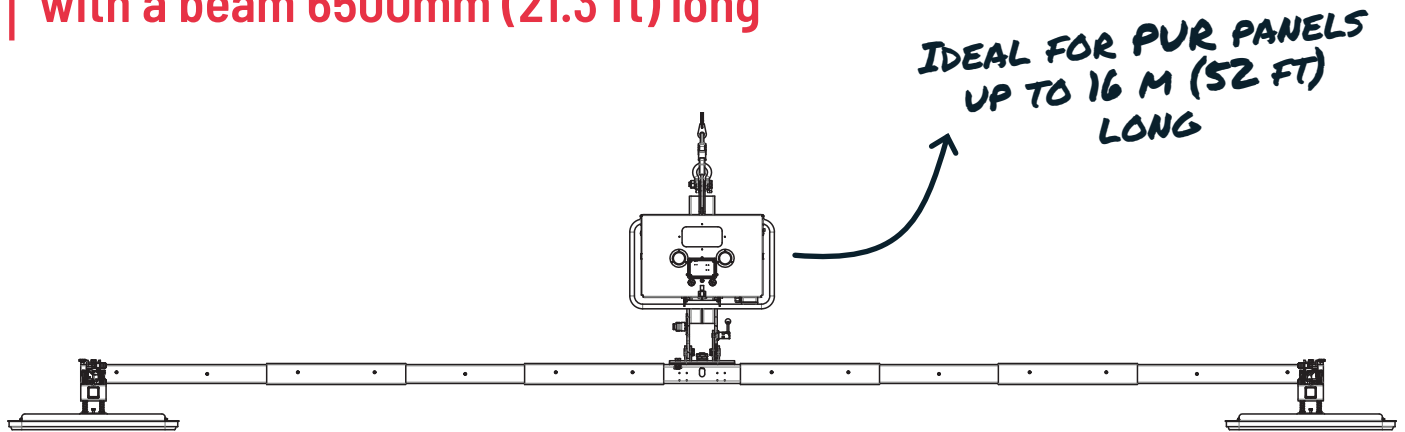
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CL2 SERIES

POSSIBLE CONFIGURATIONS**CL2-6500**

with a beam 6500mm (21.3 ft) long

**Product codes:**

Suction and release of the load	SWL 250kg (551 lbs)	SWL 400kg (881 lbs)	SWL 500kg (1102 lbs)
	n. 4 suction pads	n. 6 suction pads	n. 8 suction pads
Manual (sliding valve)	CL2-6500.02.04	CL2-6500.02.06	CL2-6500.02.08
With wireless radio remote control	CL2-6500.02.04.RC	CL2-6500.02.06.RC	CL2-6500.02.08.RC
Own weight (max)	214 kg (472 lbs)	236 kg (520 lbs)	250 kg (551 lbs)

What you need to assemble the CL2-6500 configuration:

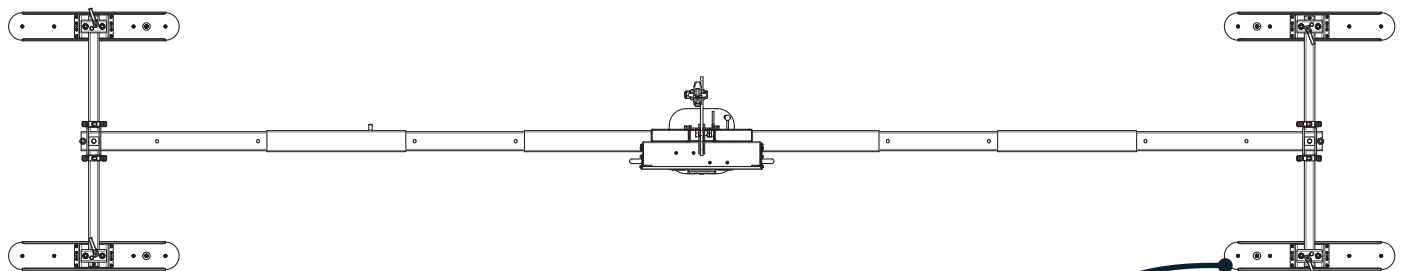
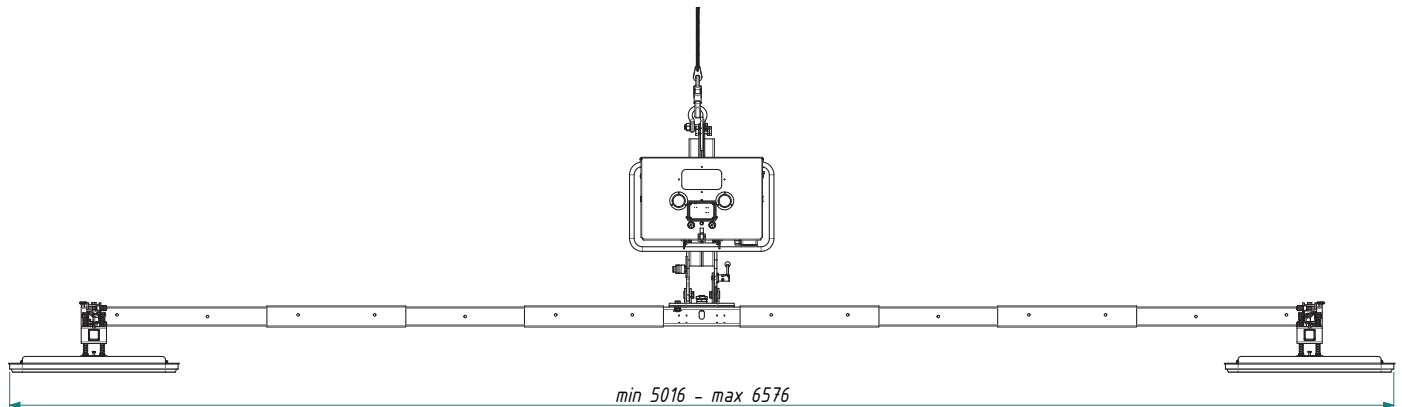
Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	4
CL2.V002	Crossarm for suction pads	2
CL2.V102	Vacuum hose L1200 mm (47.2 in)	4
CL2.V103	Vacuum hose L1445 mm (56.9 in)	4
CL2.P001	Spring-loaded suction pad	4 / 6 / 8
To transport CL2-6500:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1

CL2 SERIES

POSSIBLE CONFIGURATIONS

Technical drawings of CL2-6500 configurations:

All configurations up to CL2-4000

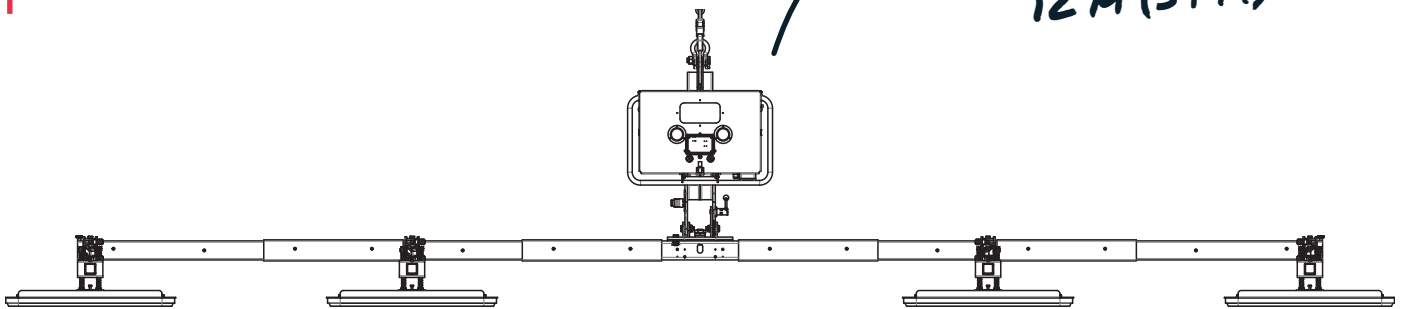


**Configure CL2-6500
with four, six, or eight
suction pads**
depending on the weight
of the sandwich panels

CL2 SERIES

POSSIBLE CONFIGURATIONS**CL2-6500X**

with a beam 6500mm (21.3 ft) long
and four crossarms

**Product codes:**

Suction and release of the load	SWL 500kg (1102 lbs)	SWL 500kg (1102 lbs)
	n. 8 suction pads	n. 10 suction pads
Manual (sliding valve)	CL2.-6500X.04.08	CL2-6500X-04.10
With wireless radio remote control	CL2.-6500X.04.08.RC	CL2-6500X.04.10.RC
Own weight (max)	268 kg (591 lbs)	285 kg (628 lbs)

What you need to assemble the configuration CL2-6500X:

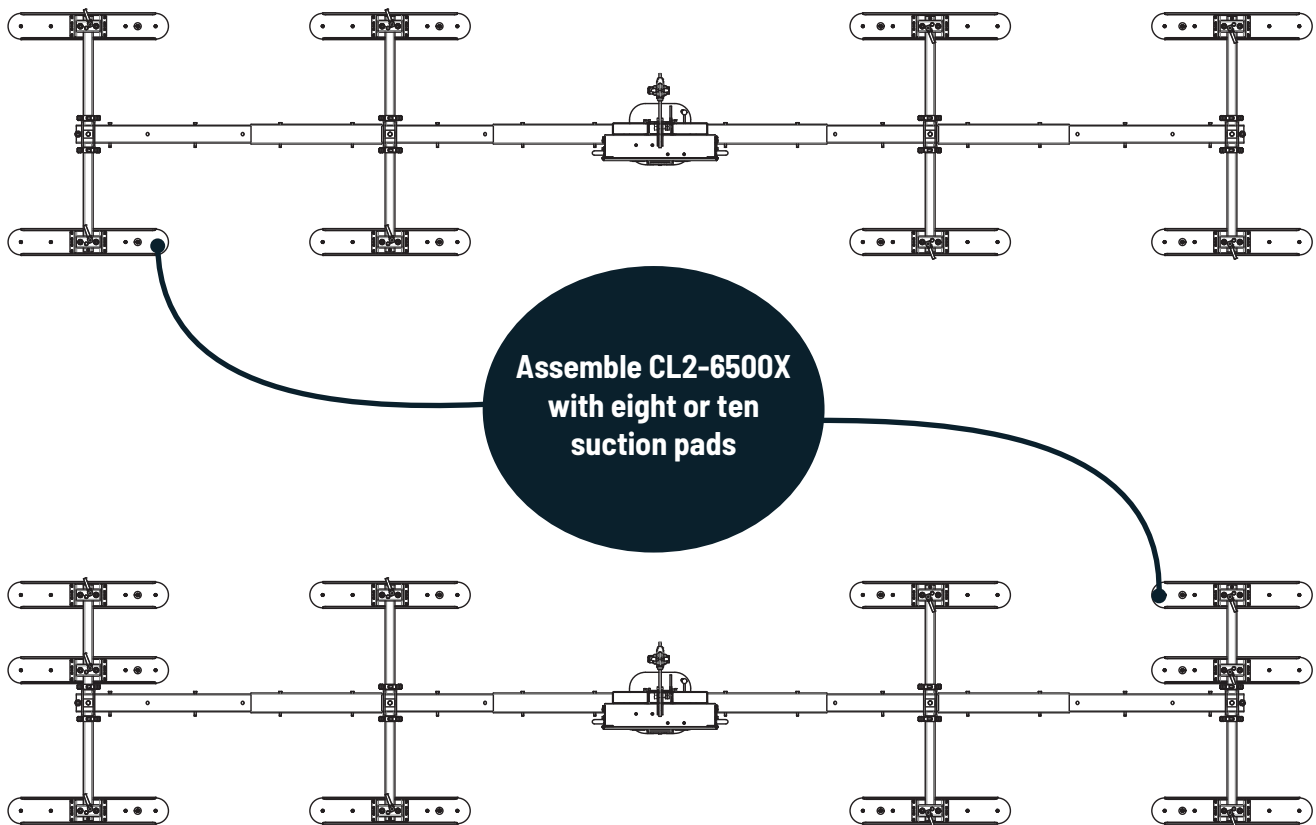
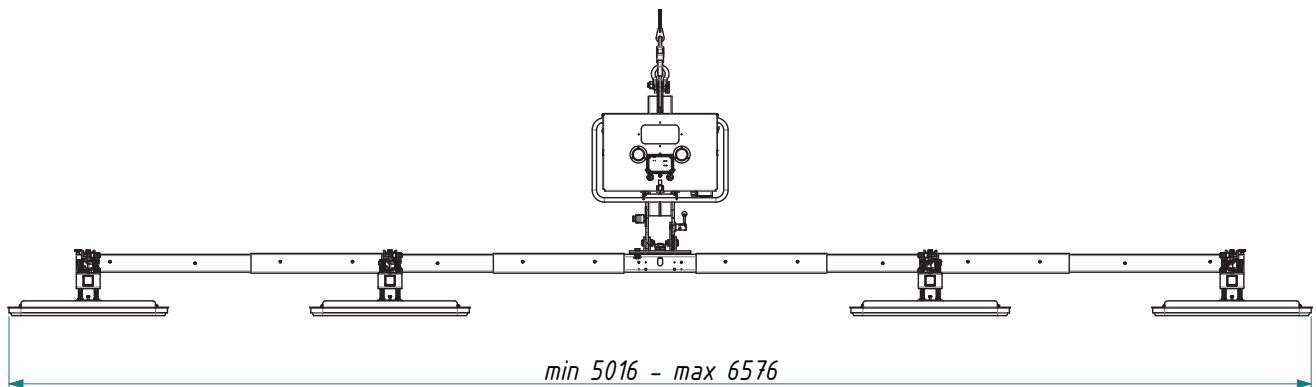
Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	4
CL2.V002	Crossarm for suction pads	4
CL2.V102	Vacuum hose L1200 mm (47.2 in)	4
CL2.V103	Vacuum hose L1445 mm (56.9 in)	4
CL2.P001	Spring-loaded suction pad	8 / 10
To transport CL2-6500X:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1

CL2 SERIES

POSSIBLE CONFIGURATIONS

Technical drawings of CL2-6500X configurations:

All configurations up to CL2-6500



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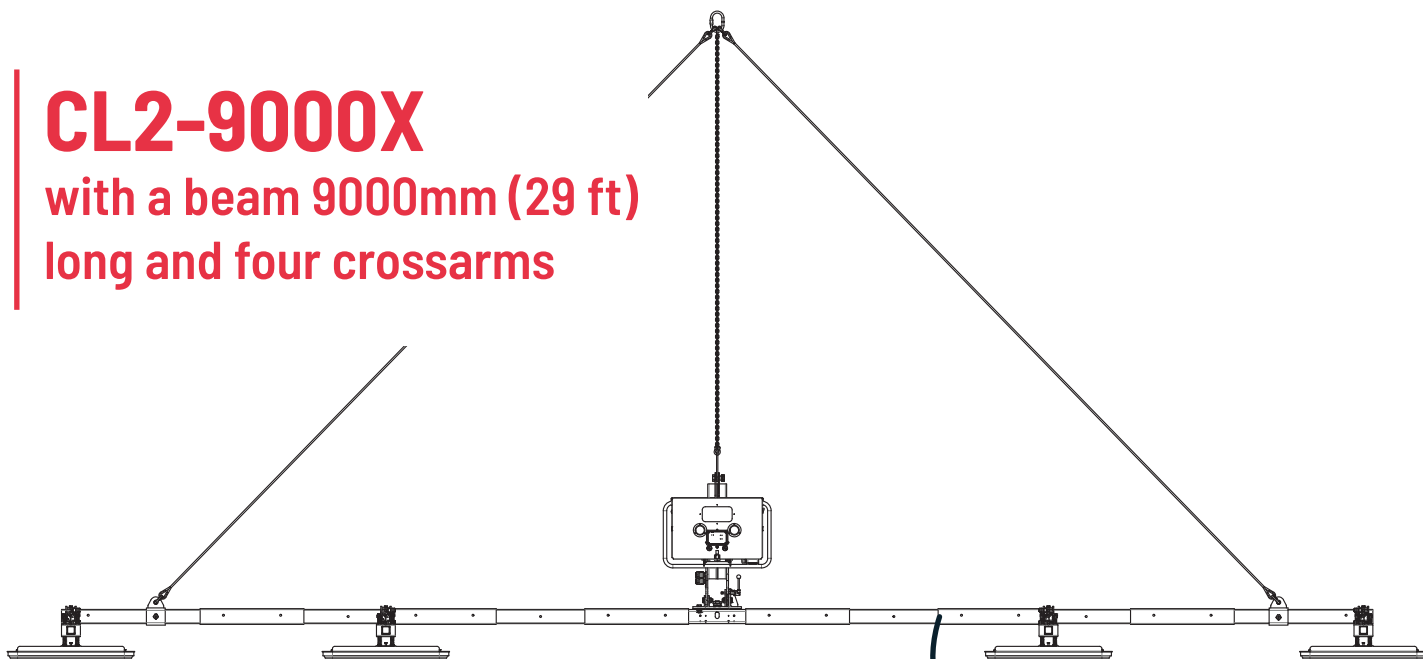
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CL2 SERIES

POSSIBLE CONFIGURATIONS

CL2-9000X

with a beam 9000mm (29 ft)
long and four crossarms

**Product codes:**

Suction and release of the load	SWL 500kg (1102 lbs)	SWL 500kg (1102 lbs)
	n. 8 suction pads	n. 10 suction pads
Manual (sliding valve)	CL2.-9000X.04.08	CL2-9000X.04.10
With wireless radio remote control	CL2.-9000X.04.08.RC	CL2-9000X.04.10.RC
Own weight (max)	315 kg (694 lbs)	335 kg (738 lbs)

→ DESIGNED FOR
TRAPEZOIDAL ROOF
SHEETS AND EXTRA-
LONG PANELS

What you need to assemble the CL2-9000X configuration:

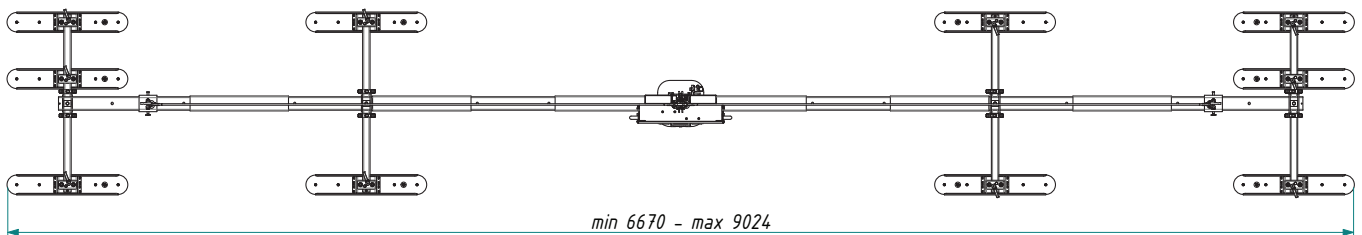
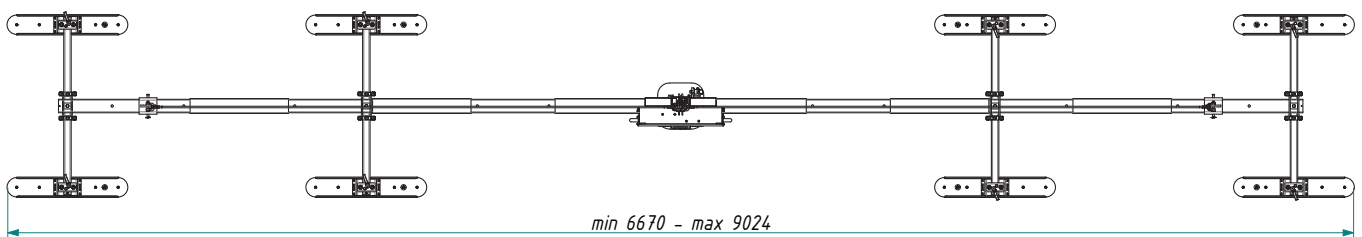
Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	6
CL2.V002	Crossarm for suction pads	4
CL2.V104	Vacuum hose L1880 mm (74 in)	8
CL2.P001	Spring-loaded suction pad	8 / 10
CL2.V010	Kit with lifting wires	1
To transport CL2-9000X:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1
CL2.ST01.V01	Storage shelf for additional crossbeam extensions	1
CL2.ST01.V02	Storage shelf for lifting wires	1

CL2 SERIES

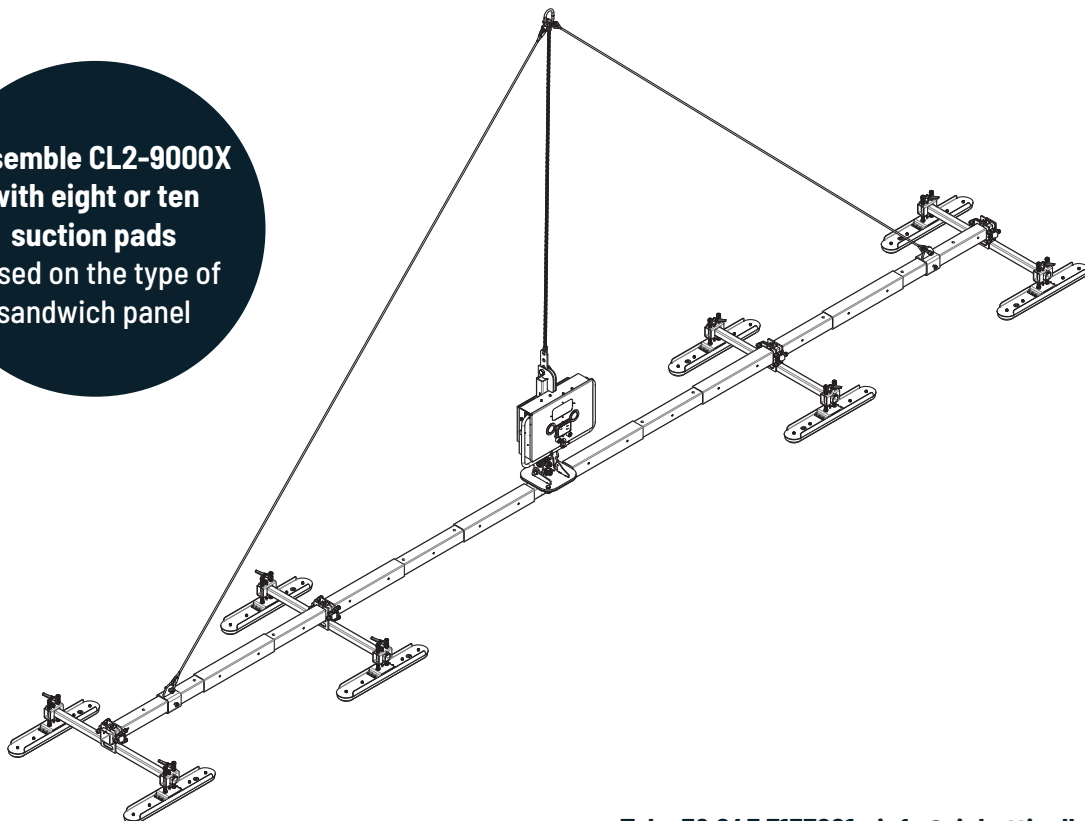
POSSIBLE CONFIGURATIONS

Technical drawings of CL2-9000X configurations:

All configurations up to CL2-6500X



**Assemble CL2-9000X
with eight or ten
suction pads
based on the type of
sandwich panel**



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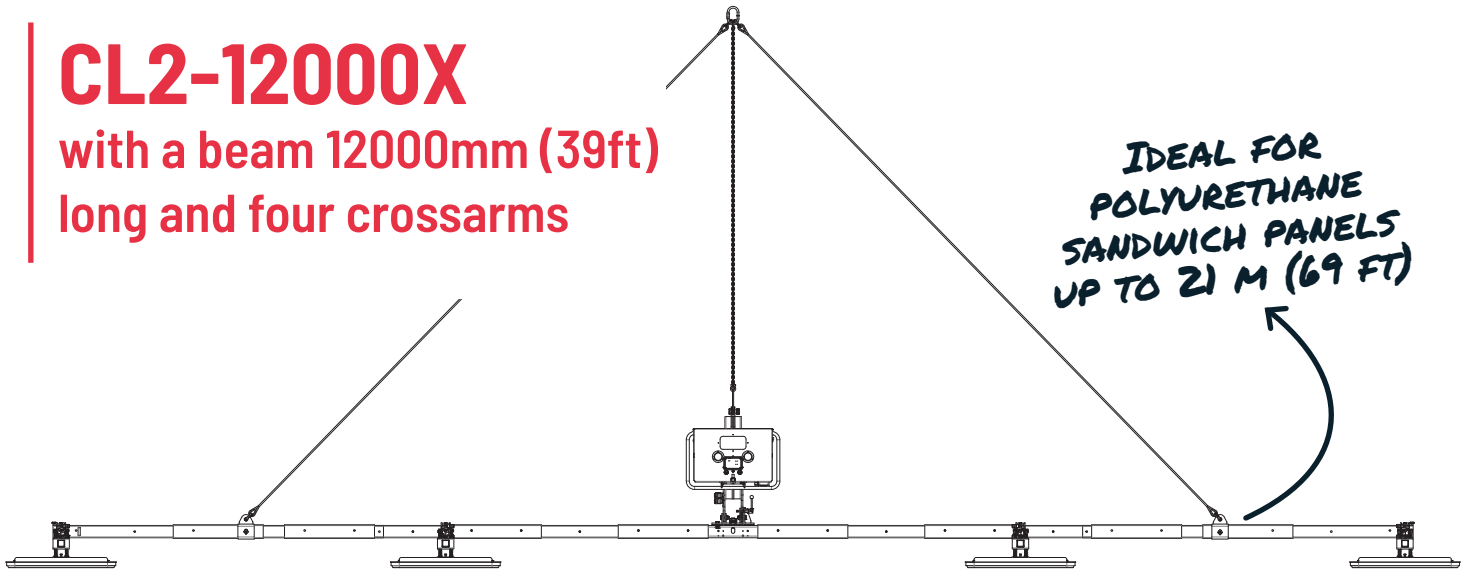
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CL2 SERIES

POSSIBLE CONFIGURATIONS**CL2-12000X**

with a beam 12000mm (39ft)
long and four crossarms

**Product codes:**

Suction and release of the load	SWL 500kg (1102 lbs)	SWL 500kg (1102 lbs)
	n. 8 suction pads	n. 10 suction pads
Manual (sliding valve)	CL2.-12000X.04.08	CL2-12000X.04.10
With wireless radio remote control	CL2.-12000X.04.08.RC	CL2-12000X.04.10.RC
Own weight (max)	355 kg (782 lbs)	375 kg (826 lbs)

What you need to assemble the CL2-12000X configuration:

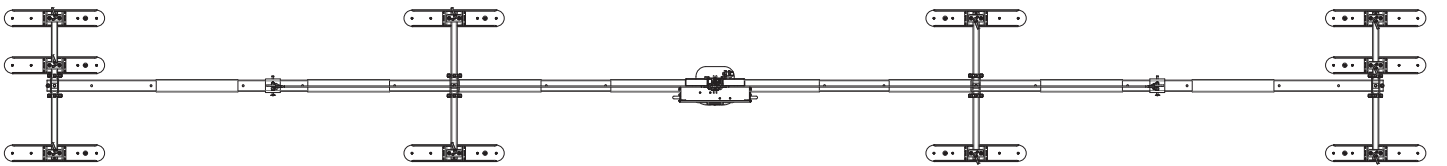
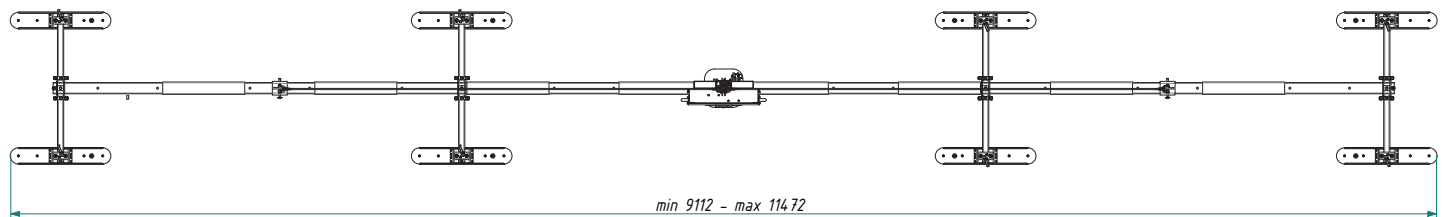
Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	8
CL2.V002	Crossarm for suction pads	4
CL2.V102	Vacuum hose L1200 mm (47.2 in)	4
CL2.V104	Vacuum hose L1880 mm (74 in)	8
CL2.P001	Spring-loaded suction pad	8 / 10
CL2.V010	Kit with lifting wires	1
To transport CL2-12000X:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1
CL2.ST01.V01	Storage shelf for additional crossbeam extensions	2
CL2.ST01.V02	Storage shelf for lifting wires	1

CL2 SERIES

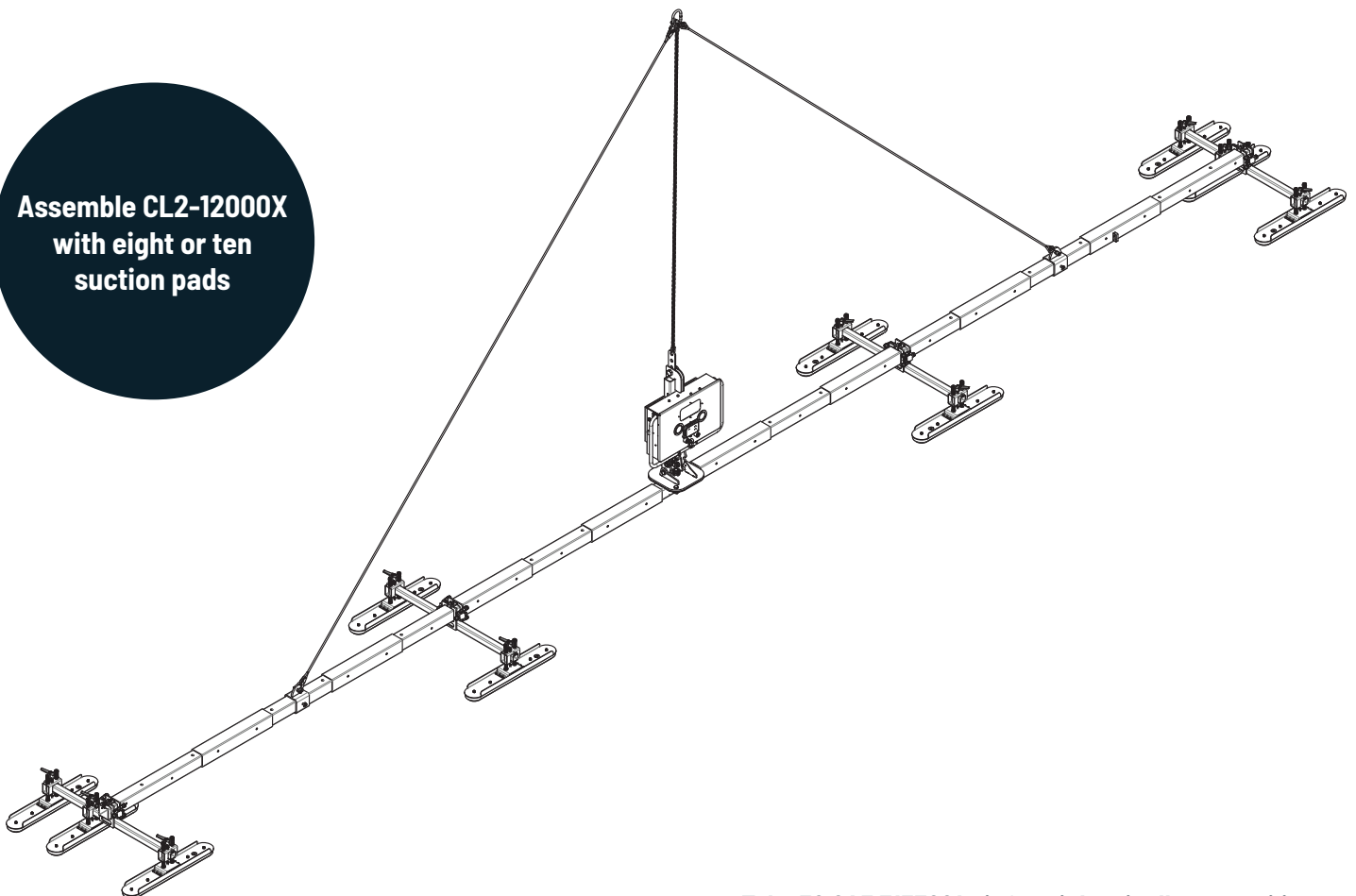
POSSIBLE CONFIGURATIONS

Technical drawings of CL2-12000X configurations:

All configurations up to CL2-9000X



Assemble CL2-12000X
with eight or ten
suction pads



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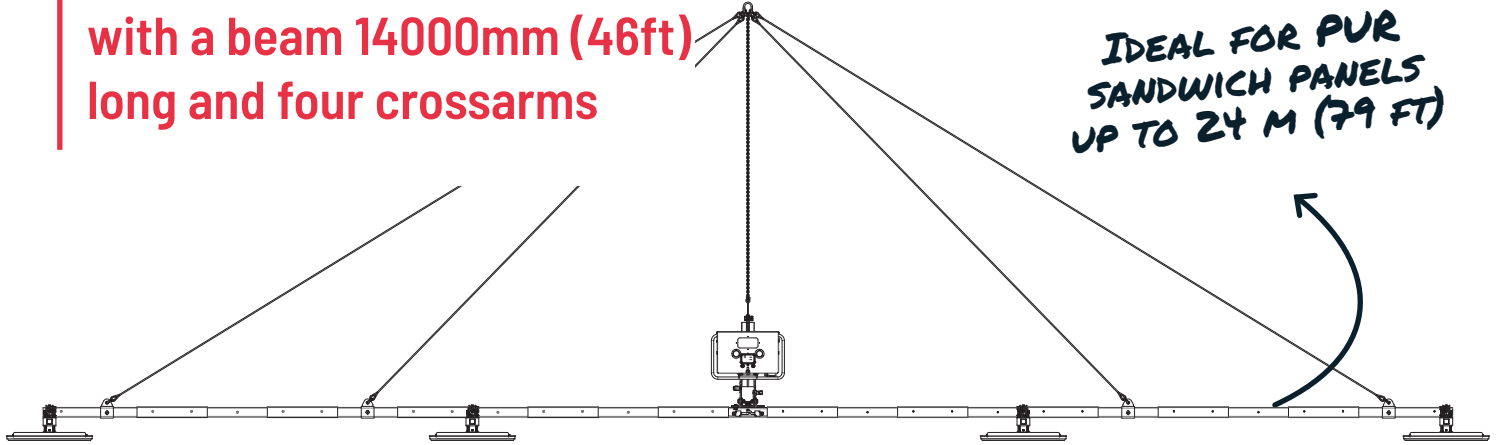
CL2 SERIES

POSSIBLE CONFIGURATIONS

CL2-14000X

with a beam 14000mm (46ft)
long and four crossarms

IDEAL FOR PUR
SANDWICH PANELS
UP TO 24 M (79 FT)



Product codes:

Suction and release of the load	SWL 500kg (1102 lbs)
	n. 10 suction pads
Manual (sliding valve)	CL2-14000X.04.10
With wireless radio remote control	CL2-14000X.04.10.RC
Own weight (max)	435 kg (959 lbs)

What you need to assemble the CL2-14000X configuration:

Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	10
CL2.V002	Crossarm for suction pads	4
CL2.V105	Vacuum hose L 2400 mm (94 in)	4
CL2.V106	Vacuum hose L 3880 mm (153 in)	4
CL2.P001	Spring-loaded suction pad	10
CL2.V010	Kit with lifting wires	2
To transport CL2-14000X:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1
CL2.ST01.V01	Storage shelf for additional crossbeam extensions	2
CL2.ST01.V02	Storage shelf for lifting wires	1

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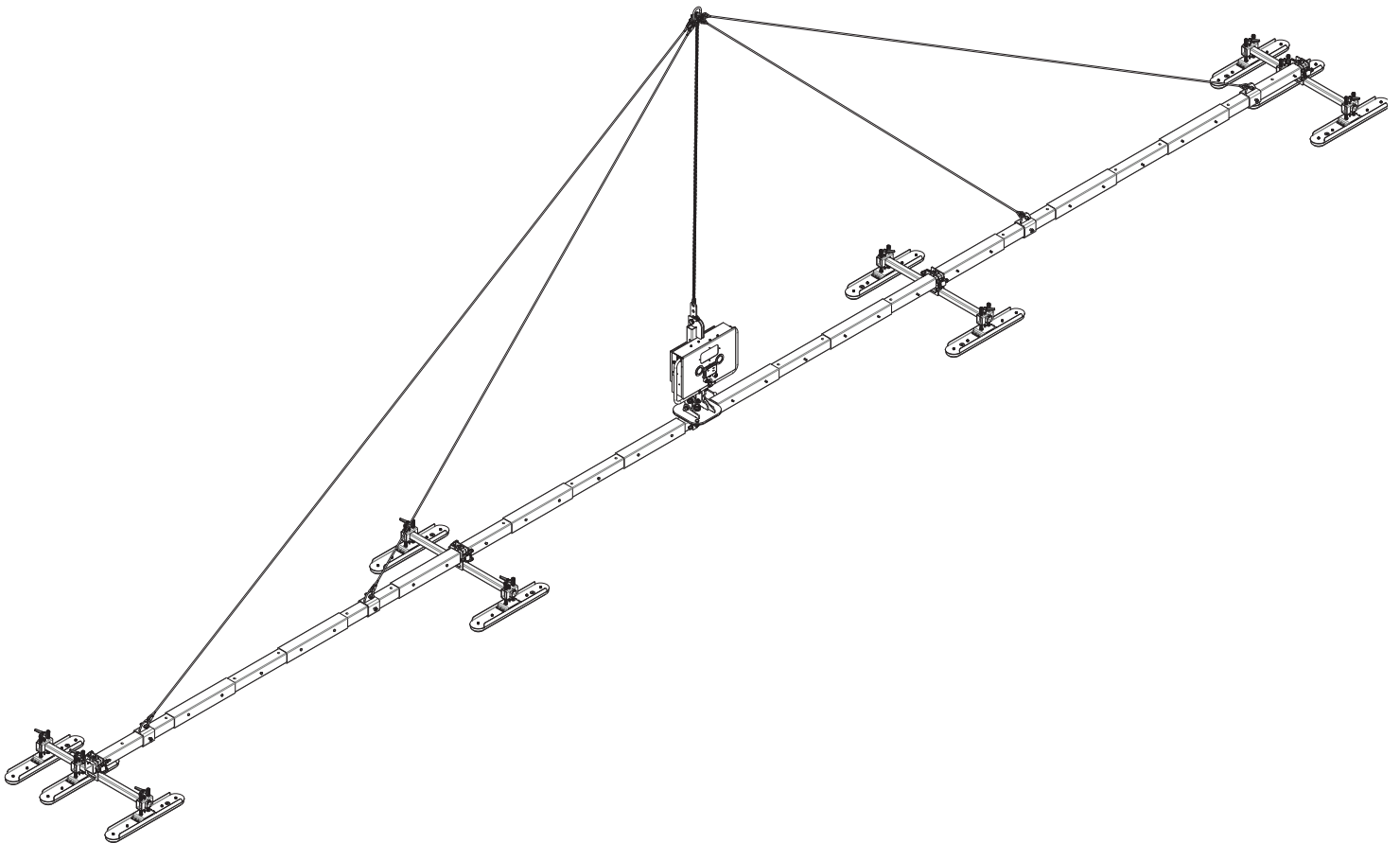
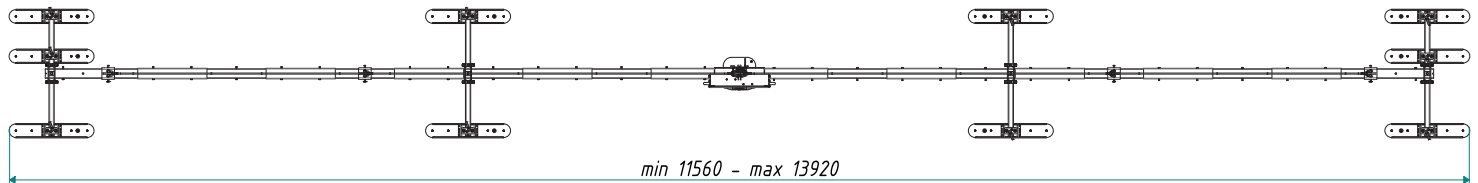
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CL2 SERIES

POSSIBLE CONFIGURATIONS

Technical drawings of CL2-14000X configurations:

All configurations up to CL2-12000X



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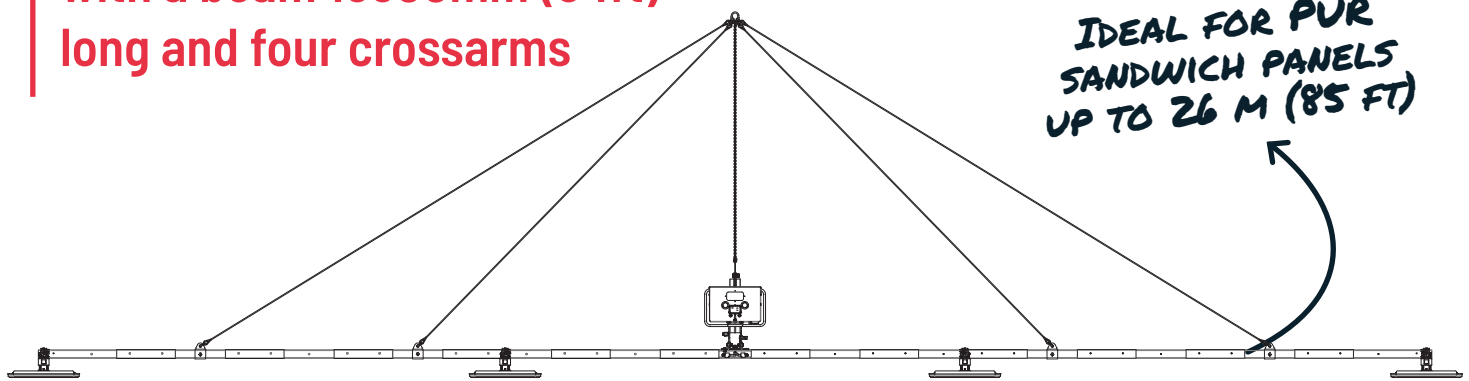
Righetti Vacuum Lifters Specialists

CL2 SERIES

POSSIBLE CONFIGURATIONS

CL2-16500X

with a beam 16500mm (54ft)
long and four crossarms



Product codes:

Suction and release of the load	SWL 500kg (1102 lbs)
	n. 10 suction pads
Manual (sliding valve)	CL2-16500X.04.10
With wireless radio remote control	CL2-16500X.04.10.RC
Own weight (max)	455 kg (1003 lbs)

What you need to assemble the CL2-16500X configuration:

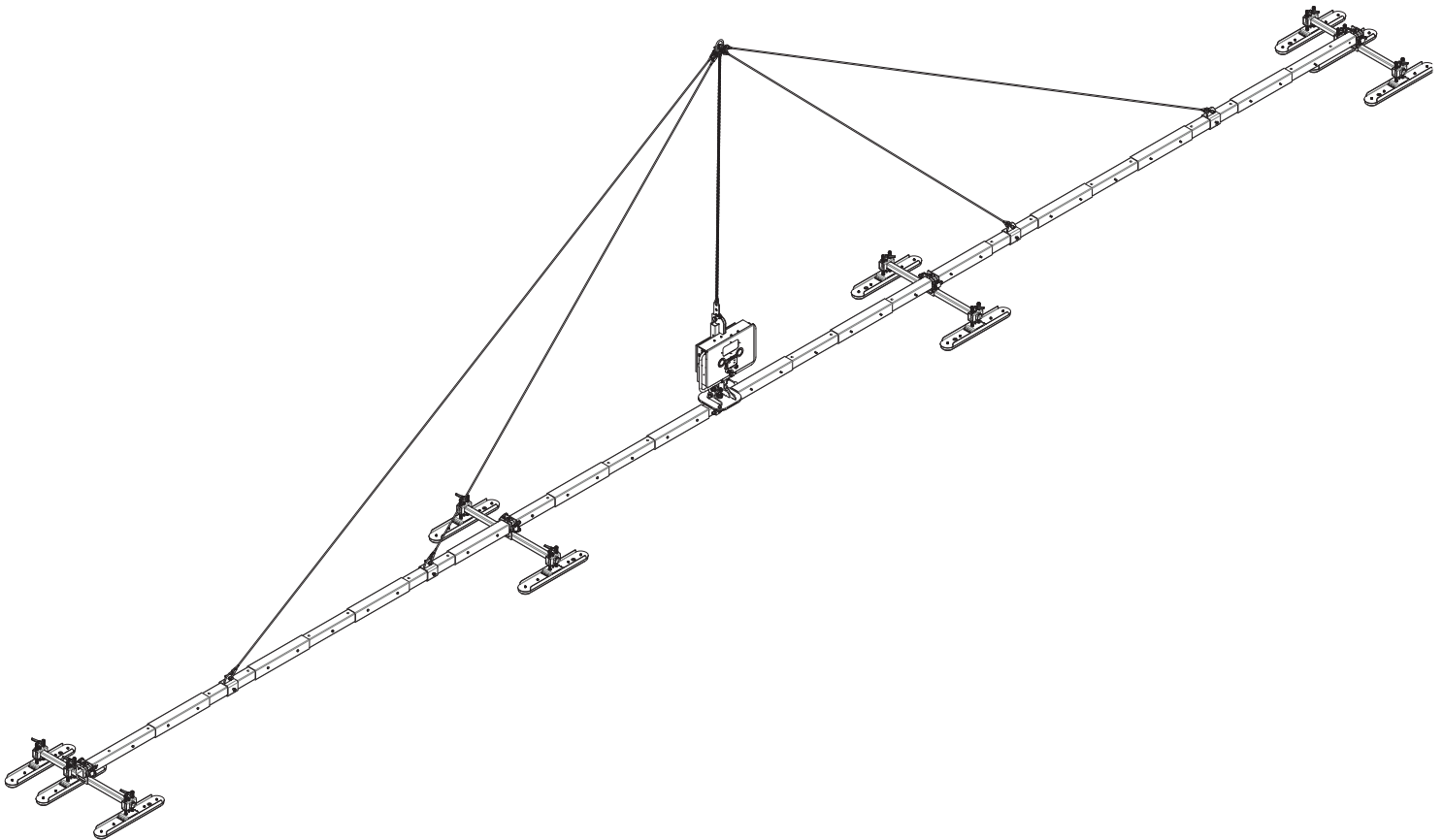
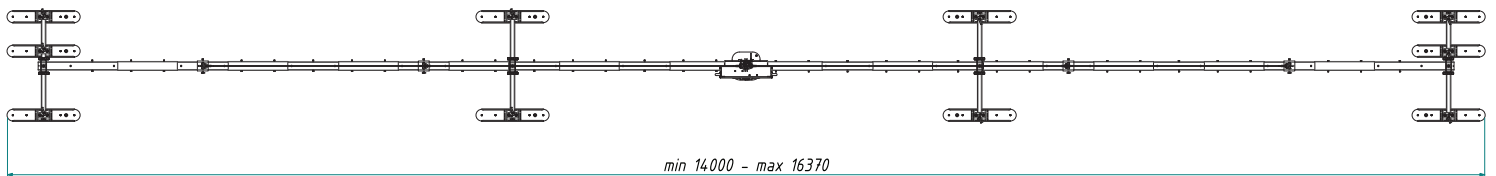
Product code	Description	Quantity (pc)
CL2.000	CL2 main body	1
CL2.V001	Crossbeam extension	12
CL2.V002	Crossarm for suction pads	4
CL2.V103	Vacuum hose L 1445 mm (56.9 in)	4
CL2.V105	Vacuum hose L 2400 mm (94 in)	4
CL2.V106	Vacuum hose L 3880 mm (153 in)	4
CL2.P001	Spring-loaded suction pad	10
CL2.V010	Kit with lifting wires	2
To transport CL2-14000X:		
CL2.ST01	Parking stand 1200x1000mm (47.2 x 39.4 in) complete with protective cover	1
CL2.ST01.V01	Storage shelf for additional crossbeam extensions	2
CL2.ST01.V02	Storage shelf for lifting wires	1

CL2 SERIES

POSSIBLE CONFIGURATIONS

Technical drawings of CL2-16500X configurations:

All configurations up to CL2-14000X



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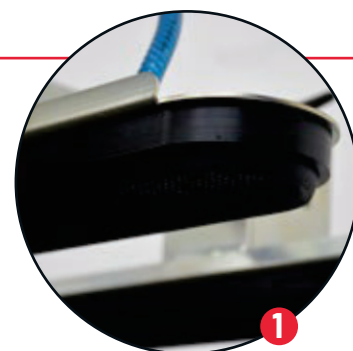
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Standard features

Feature	What benefit for your work?
1 Suction pads with specific gasket	Our spring-loaded suction pads (800x120mm - 31.5x4.7 in) feature a quick-replacement gasket, whose elastic compound is designed to withstand compression and wear over time.
Dual vacuum circuit	Greater safety during handling in accordance with EN13155.
Dual set of swappable batteries	Uninterrupted operation thanks to the rechargeable and interchangeable battery system. The extra battery kit ensures you'll never run out of power.
0-90° tilt and 90° rotation	Easy installation of sandwich panels for walls and roofs.
Tilt assistant bracket	It makes it easier and smoother to tilt the load from a horizontal to a vertical position.
All-around handlebar in rough finish	Better load control during its handling.
2 Forkable parking stand with protective cover	Optimize storage and transport: every component of the CL2 can be disassembled and stored in the compact, pallet-sized parking stand.
Accessories suitcase	Keep the connectors, extra batteries, and charger neatly organized inside the case.
Vacuum control unit	Completely redesigned for an intuitive interface and simplified operation.
Load suction and release commands	Control the suction and release of the load manually or remotely. A coded sequence prevents any accidental release of the load.
Closed case	All electrical and electronic components (including batteries) are protected inside the machine case.

Optional accessories

3 Crossbeam extensions and crossarms	Choose the necessary extension kits based on the length and type of sandwich panel to provide all the necessary support, even for extra-long ones.
4 Wireless radio remote control	Thanks to its wireless remote control operation, you can control suction and release at a distance. On-board controls are also available for full control in any situation.
5 Suction pads for special profiles	Expand the range and variety of sandwich panels you can install with our interchangeable suction pad kits. For more information, see the next page.
Lifting wires	Mounting kit with lifting cables for roof configurations starting at 9000 mm (29 ft).



CL2 SERIES

INTERCHANGEABLE PADS

CL2 cladding lifter offers the possibility of lifting **sandwich panels with different profiles** thanks to interchangeable suction pads kits. Each kit is specifically designed to meet and exceed the handling challenges of the sandwich panel.

STANDARD SUCTION PADS

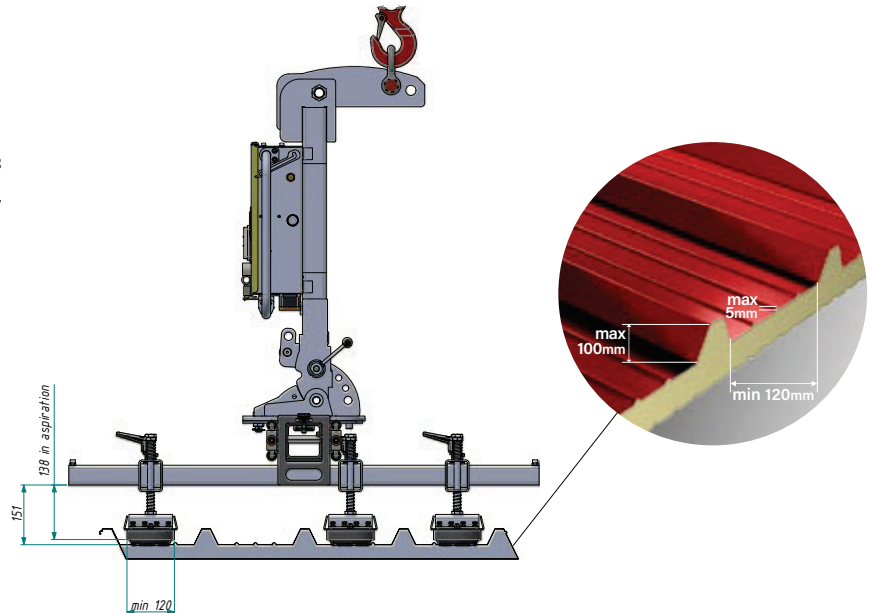
CL2 vacuum lifter comes equipped with spring-loaded **suction pads that fit a great range of sandwich panels** (either flat, micro-ribbed or trapezoidal).

Please take a close look at the maximum and minimum sizes required for our standard suction pads to fit:

Fret height: max 100mm

Micro-rib height (with bevel): max 5mm

Space between ribs: min 120mm

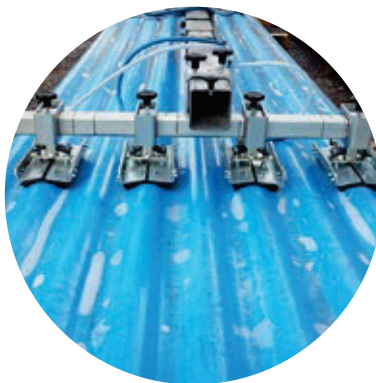


SPECIAL SUCTION PADS

In case of sandwich panels with a different or special profile, we can provide you with a suction pads kit to properly equip your CL2 lifter. Simply share with us the technical details of your upcoming project and our R&D Department will do the rest.



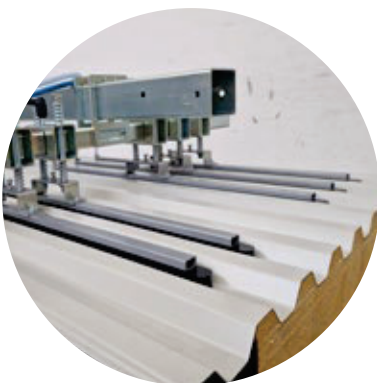
Roof-tile effect sandwich panels



Roof sinusoidal sandwich panels



Wall sinusoidal sandwich panels



H28 sandwich panels
with nine ribs



Structural roof decking



Narrow suction pads
(ex. for Steadmans AS35 panels)

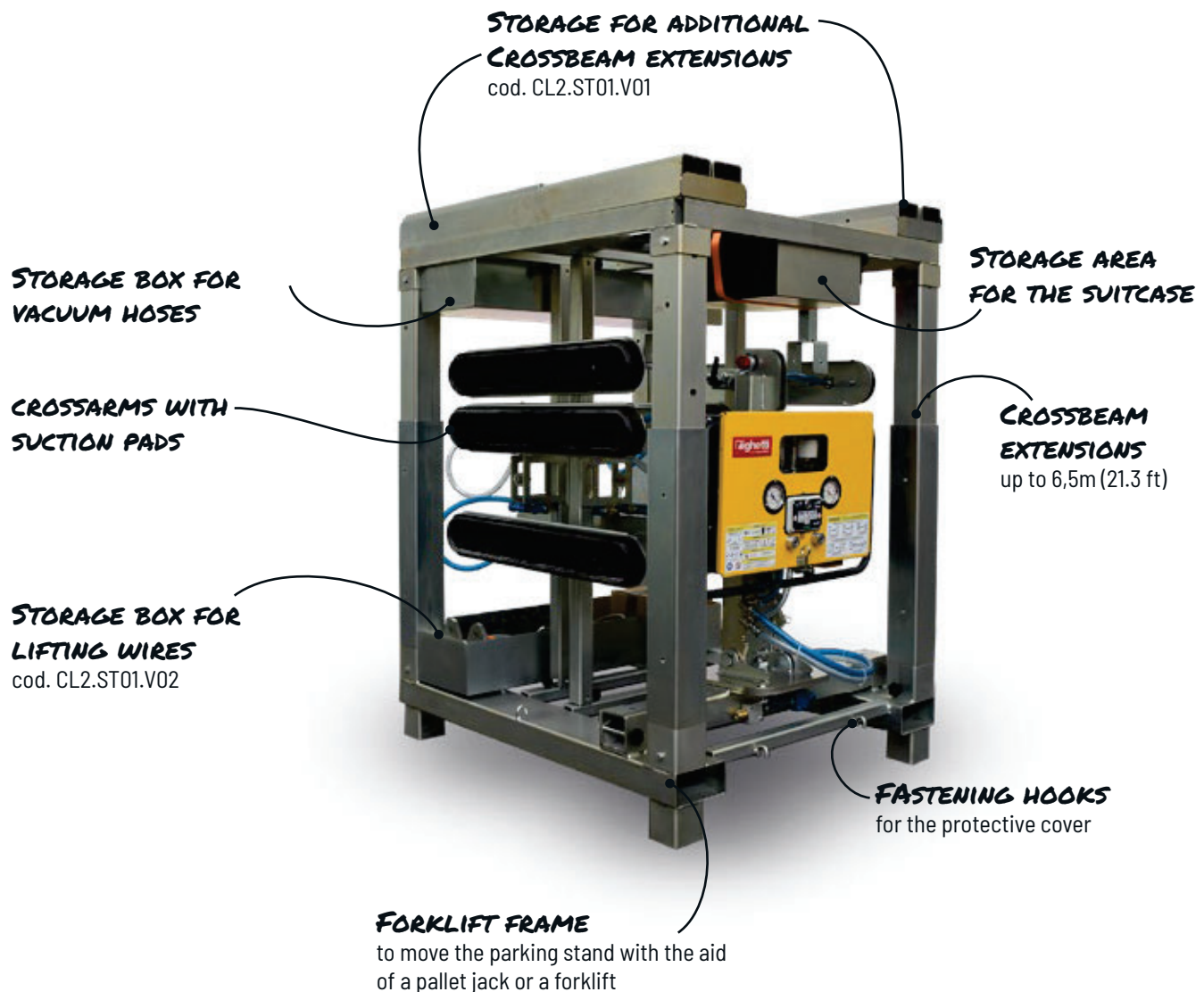
CL2 SERIES

PARKING STAND

The CL2 frame can be disassembled and neatly stored in its practical parking stand. Its compact dimensions (1200x1000 mm) optimize transport and storage.

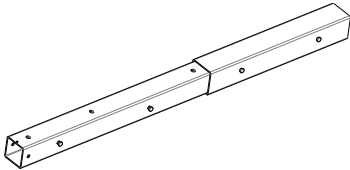
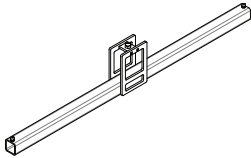
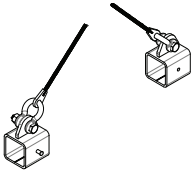
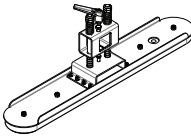
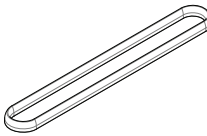
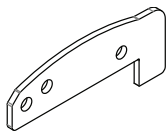
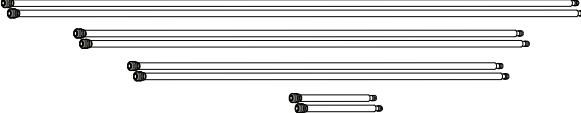
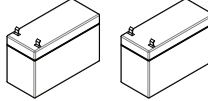
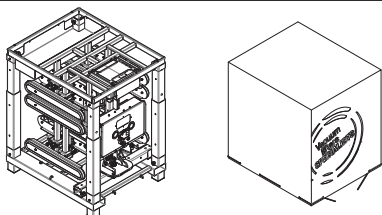
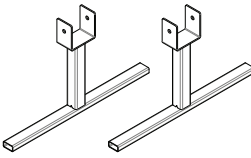
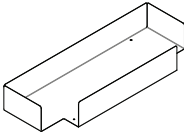
In addition, the stand is equipped with a forklift-accessible structure for handling it with a pallet jack or forklift.

The parking stand provides dedicated space for any component, up to the CL2.12000X configuration, and comes complete with a protective cover.



The parking stand is a **mandatory accessory** for transporting the vacuum lifter, as it consists of essential components for assembling the CL2 in various configurations.

All components and accessories of CL2:

		
CL2.V001	CL2.V002	CL2.V010
Crossbeam extension to increase the length of the vacuum lifter's beam	Crossarm for suction pads	Kit with mounting supports, lifting wires and chain
		
CL2.P001	CL2.G001	CL2.V020
Spring-loaded suction pad 800x120mm (31.5x4.72 in)	Replacement gasket for CL2.P001 suction pad	Tilt assistant bracket
		
CL2.V101	CL2.V102	CL2.V103
Vacuum hose L 220mm (8.6 in)	Vacuum hose L 1200mm (47.2 in)	Vacuum hose L 1445mm (56.9 in)
CL2.V104	CL2.V105	CL2.V106
Vacuum hose L 1880mm (74 in)	Vacuum hose L 2400mm (94 in)	Vacuum hose L 3880mm (153 in)
		
CL2.RC	CL2.ST01.V40	CVB004
Wireless radio remote control for load suction and release at a distance	Storage suitcase for batteries, battery charger, user manual, and remote control	Set of rechargeable and swappable batteries
		
CL.ST01	CL.ST01.V30	CL.ST01.V01
Parking stand, 1200 x 1000 mm (47.2x39.4 in), with a forklift-accessible frame, complete with protective cover	Steel supports to assemble the vacuum lifter and to keep it off the group when not in use	Storage area for additional crossbeam extensions
CL.ST01.S01		CL.ST01.V02
Protective cover		Storage area for lifting wires