



HYBRID

HYBRID DECKING CLIPS



PRODUCT SHEET

FEBRUARY 2025

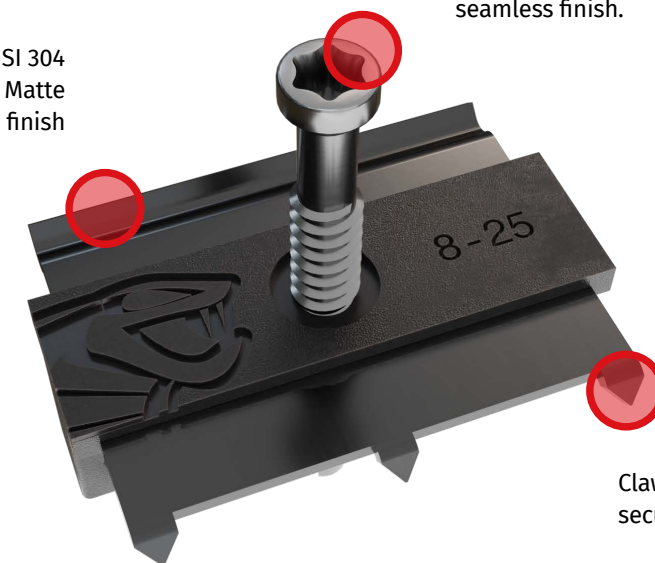


RELIABLE FAST INNOVATIVE

- High resistance to pull-out forces
- Absorbs deck movements
- Quick and easy installation
- Suitable for wood & aluminium joists
- Allows local deck board replacement
- Compatible with reversible deck boards

30mm wide stainless steel AISI 304 wing, ensuring optimal grip. Matte black lacquered, anti-glare finish

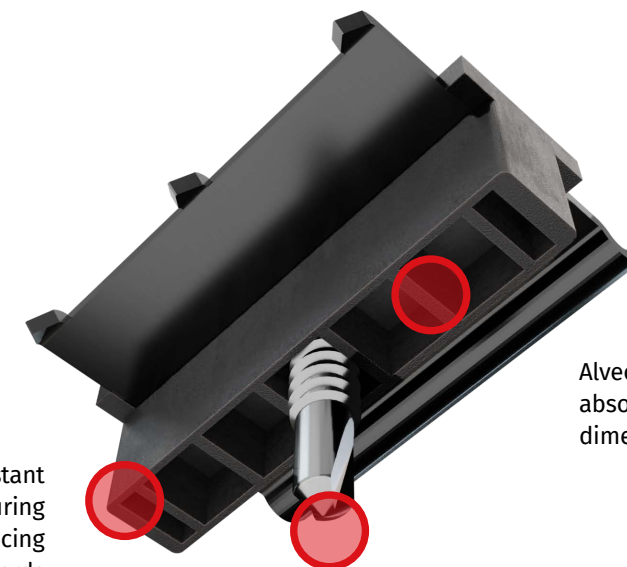
Pre-installed stainless steel screw for quicker and easier installation. Torx drive for comfort and precision. Reduced black lacquered head for a seamless finish.



Claw clip design, firmly securing the board



6mm wide black UV-resistant polypropylene body, ensuring proper and uniform spacing between deck boards

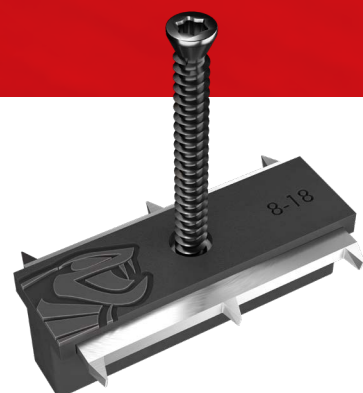


Alveolar structure to absorb the decking dimensional variations

Self-drilling tip, allowing secure fastening into wood or aluminium

The Cobra HYBRID hidden fastening system for wood and composite decking offers unique and exclusive technical features. It guarantees perfect long-term stability and exceptional pull-out resistance, exceeding the requirements of decking fastening standards.

3 HYBRID PROFILES



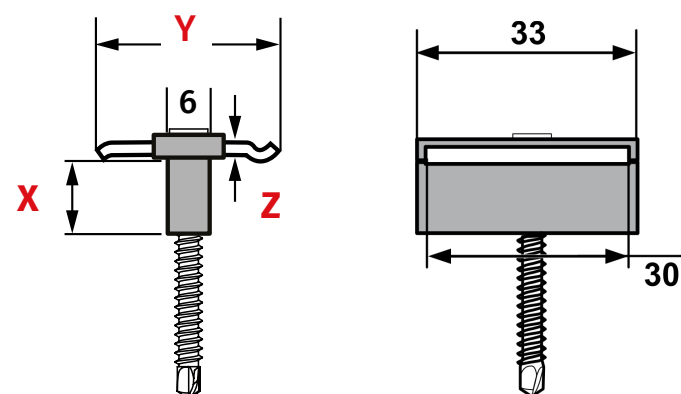
**HYBRID
8-18**



**HYBRID
7-22**



**HYBRID
8-25**

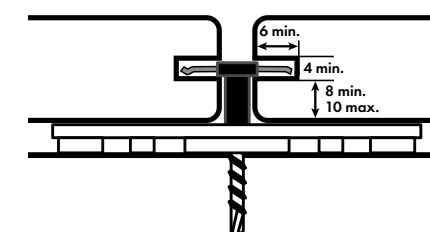
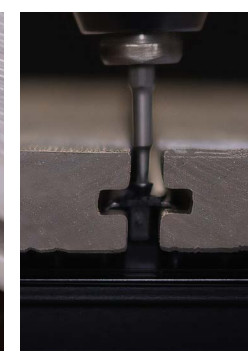


X	8 mm	7 mm	8 mm
Y	18 mm	22 mm	25 mm
Z	1,2 mm	1,2 mm	1,5 mm

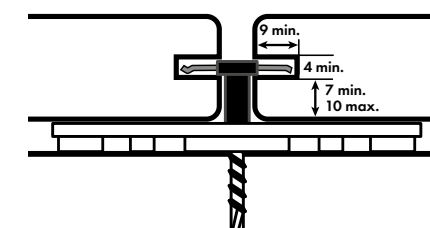
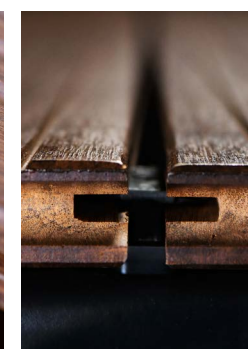
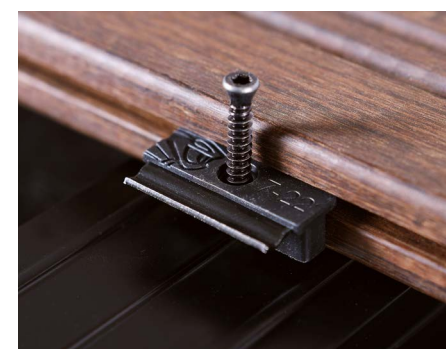
FEATURES

HYBRID clips are available in 3 types, each with a design optimised for various compatible decking boards.

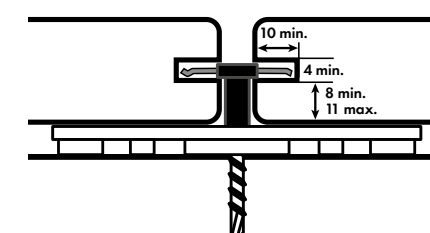
HYBRID 8-18 Composite



HYBRID 7-22 Bamboo & thermo-treated wood



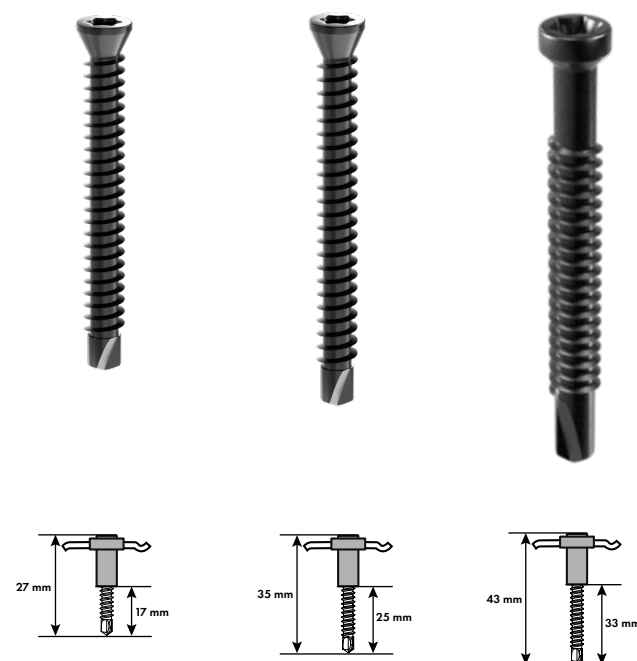
HYBRID 8-25 Hardwood



300 kg pull-out resistance. Tests conducted with L-clips on Kapur decking boards installed on **Kapur and on aluminium joists.**

3 SCREW SIZES

HYBRID clips come with 3 different screw sizes to ensure the most suitable fixation for each structure.



S

M

L



Inox AISI410

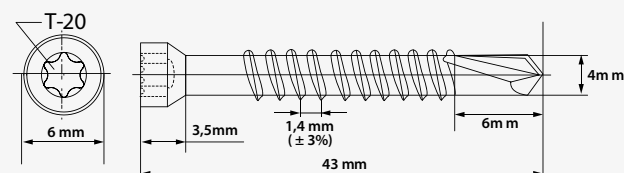
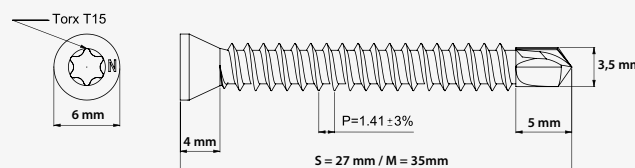
4.2 x 27 mm (Size S)

For aluminium joists

4.2 x 35 mm (Size M)

For aluminium or softwood joists

- TX15 drive
- Drilling capacity in aluminium: 3 mm
- Suitable for wood with density up to 800 kg/m³



4.8 x 43 mm (Size L)

For aluminium or hardwood joists

- TX20 drive
- Drilling capacity in aluminium: 4 mm
- Suitable for wood with density up to 900 kg/m³

JOIST TYPES

ALUMINUM * SOFTWOODS HARDWOODS

8-18

S	FD1989	✓		
M	FD0993	✓	✓	
L	FD1987	✓	✓	✓

7-22

S	FD2016	✓		
M	FD1334	✓	✓	
L	FD1988	✓	✓	✓

8-25

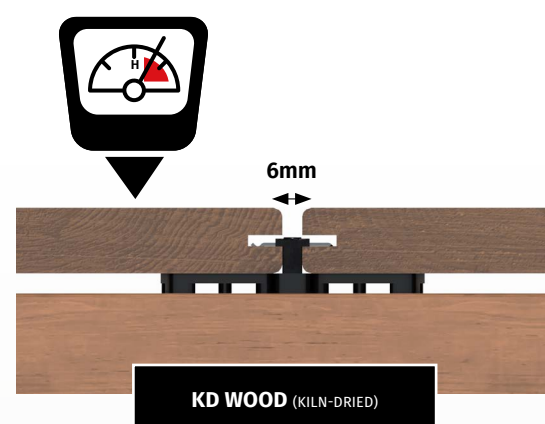
L	FD0964	✓	✓	✓
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* For installation at temperatures below 5°C, it is recommended to lubricate the fixing point and adjust the drilling torque.

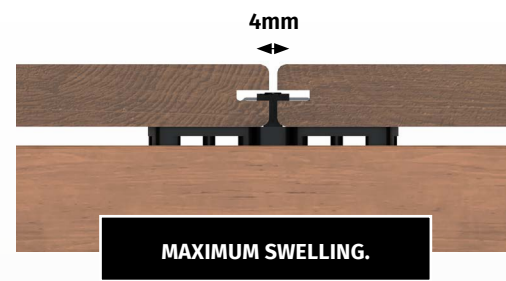
INSTALLING HARDWOOD SLATS WITH THE 8-25 L CLIP

CLEARANCES TO BE RESPECTED

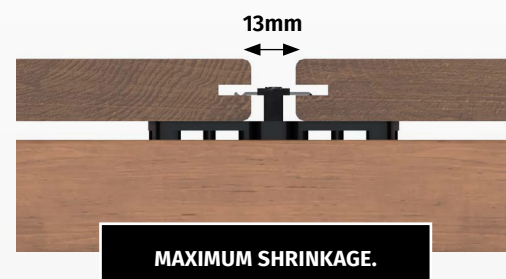
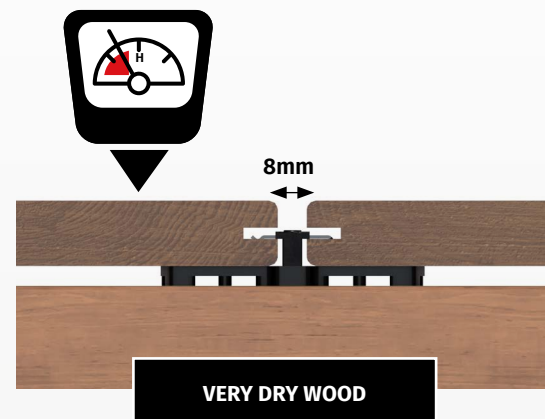
HUMIDITY
16% < H < 20%



SWELLING / MAXIMUM SHRINKAGE



HUMIDITY
H < 16%



Maximum permitted spacing: 13 mm

RECOMMENDED DECKING TYPES:

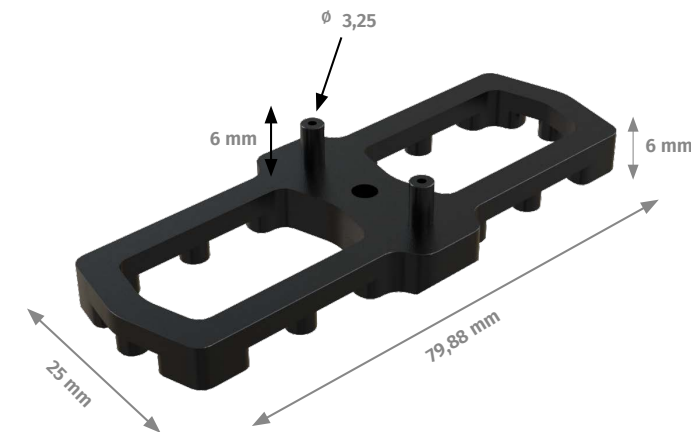
Kiln Dried (KD) hardwoods, installed at approx. 18% humidity.

Examples: Ipe, Padouk, Mukulungu (Afrikulu), Afrormosia, Kapur, Louro Gamella (Tiara), Bamboo, Teak, Jatoba, Merbau, Garapa, Douglas, Thermo-treated wood, Kebony, Accoya.

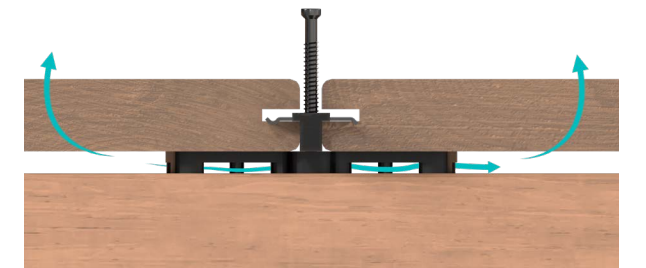
* With fairly stable species with larger dimensional variations, such as Kapur, it is recommended to limit the width of the board to 120 mm to avoid cupping. Installation with an 8 mm gap also helps to limit this phenomenon.

AIRSPACER WEDGE

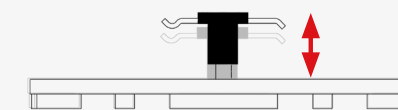
FD1040/2619



- Made from recycled polyamide
- UV, heat, and frost-resistant
- Complies with highest standards
- Facilitates quick installation of Hybrid clips

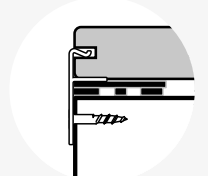
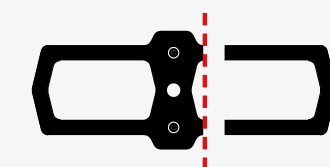


The Airspacer wedge promotes ventilation between the board and the joist without affecting clip functionality or wood movement.



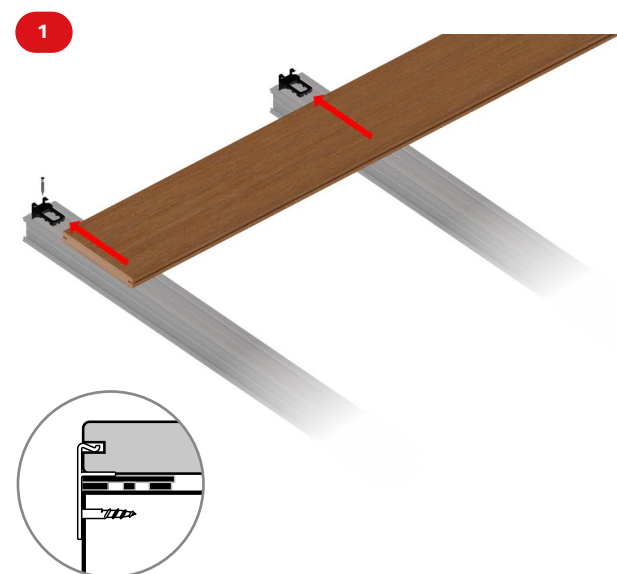
Allows Hybrid clips to adjust to the board dimensions

Can be trimmed for use with start/end clips
(FD0336/1773)



INSTALLATION INSTRUCTION FOR HYBRID CLIPS

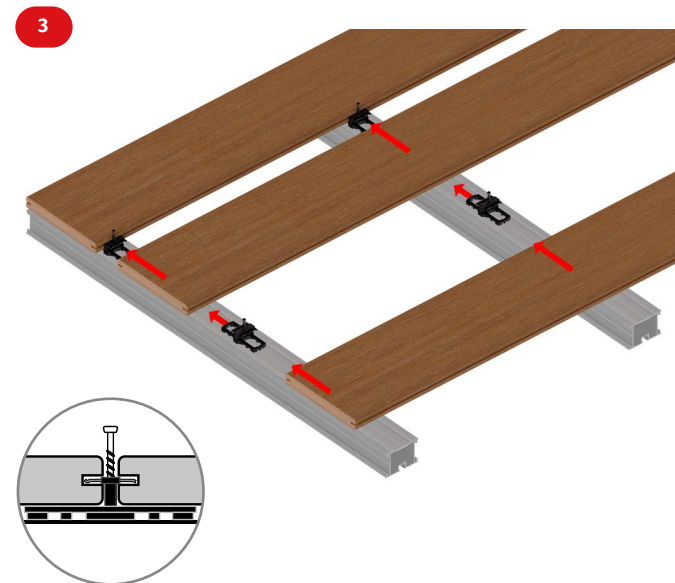
on wooden or aluminum joists



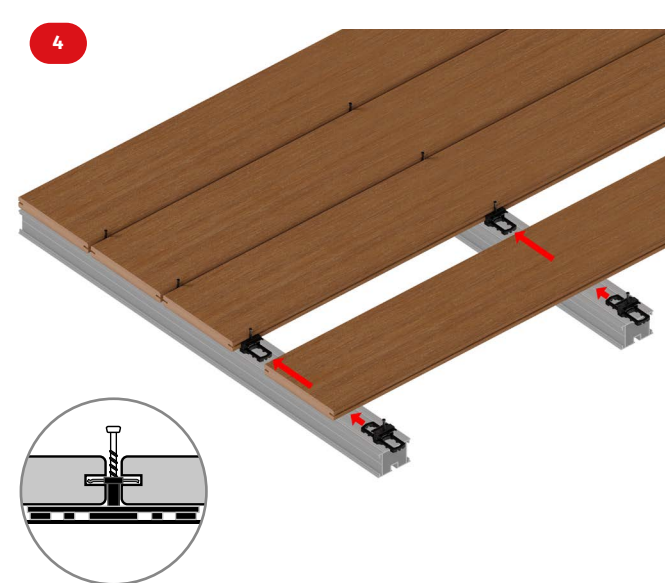
Secure the Start/End clips mounted on a 1/2 Airspacer at the end of the joists and then engage the first board.



Assemble the Hybrid clips on the Airspacers and place them on the claw side in the groove without screwing them yet.



Fit the next plank onto the clips, respecting the required space (depending on the type of plank and the degree of humidity - use a spacer if necessary).

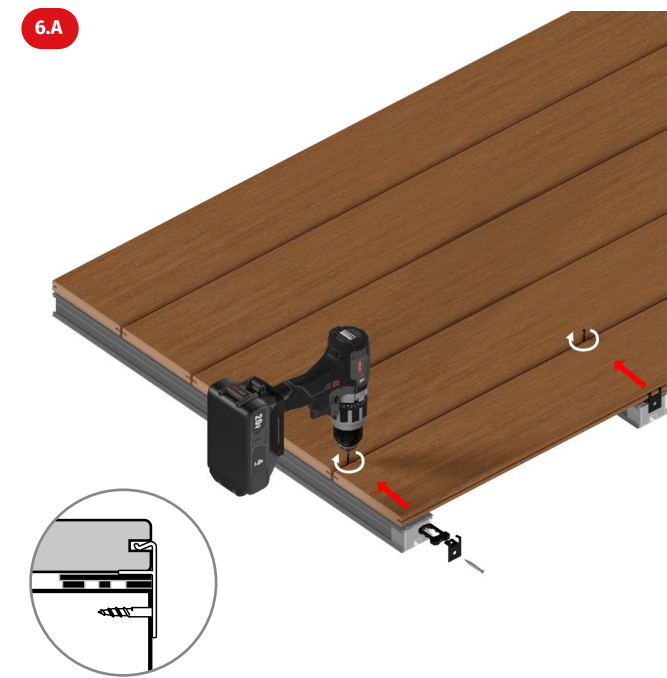


Repeat the operation on several rows of boards.



Screw the clips in place, while holding the boards tight against the clip base on both sides to ensure a perfectly perpendicular screwing. The use of clamps is recommended.

It facilitates and optimizes the operation, allowing for quick and precise screwing of several rows of boards in a row.



Place the last board and finish by screwing on the last row of Hybrid clips and the Star/End clips mounted on a half Airspacer.



To finish when the last board has no side groove, use through screws suitable for the type of joist. Remember to place Airspacer wedges under the last board to maintain the level.

Conditioning

± 3,2 m²*

90mm

± 4,5 m²*

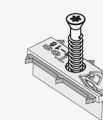
120mm

± 5 m²*

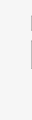
145mm

± 8,5 m²*

210mm



90 pcs

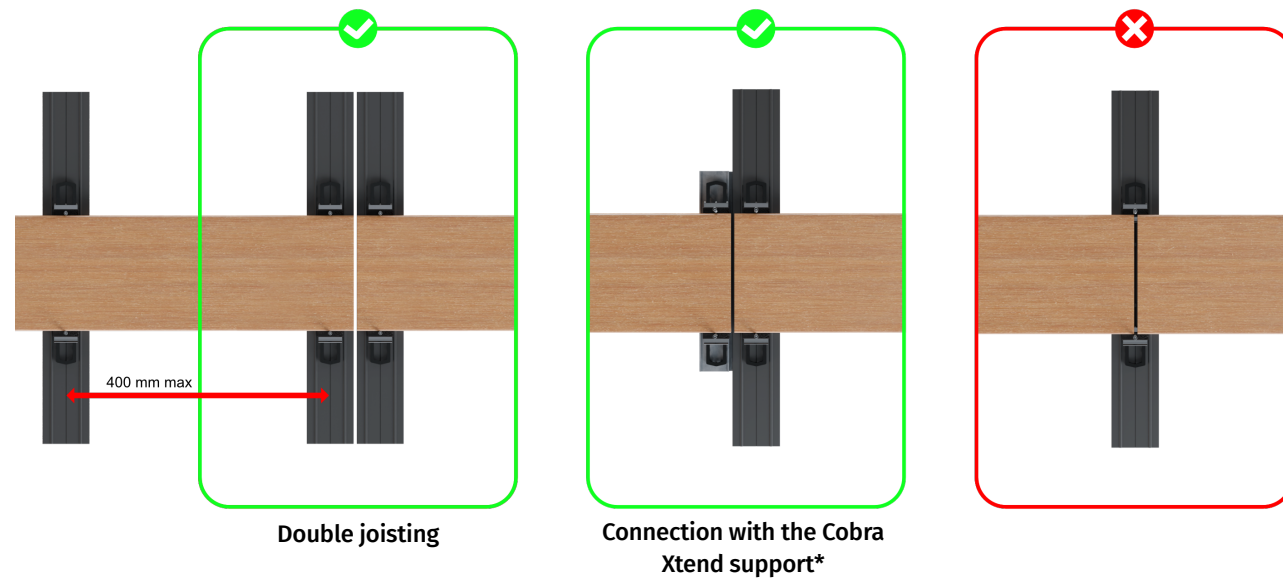


1 pc

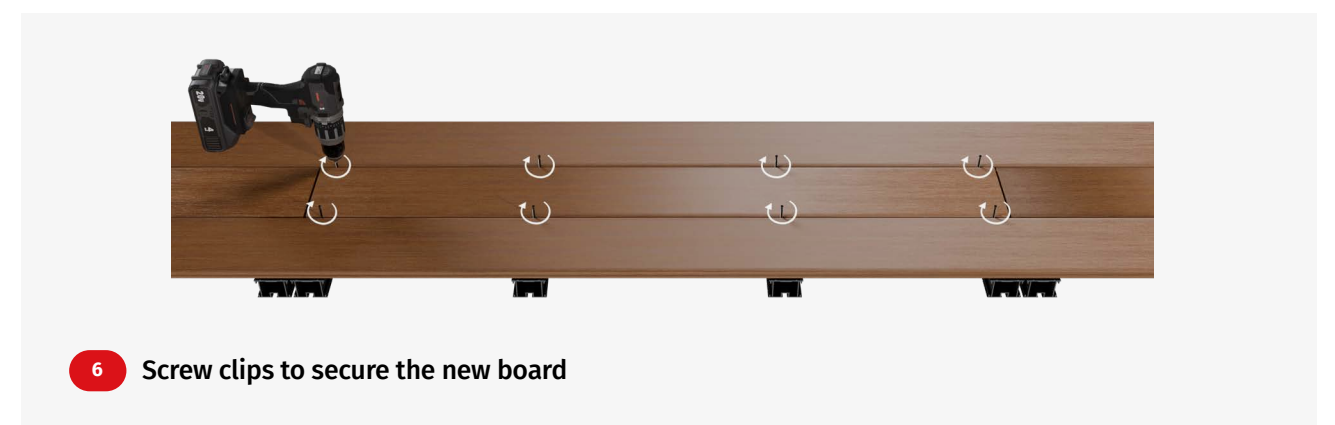
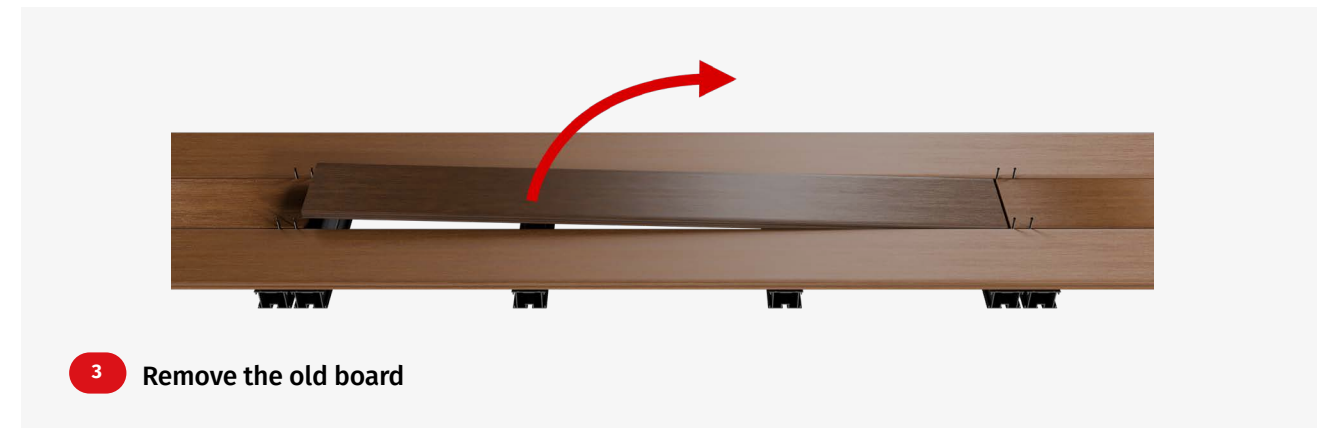
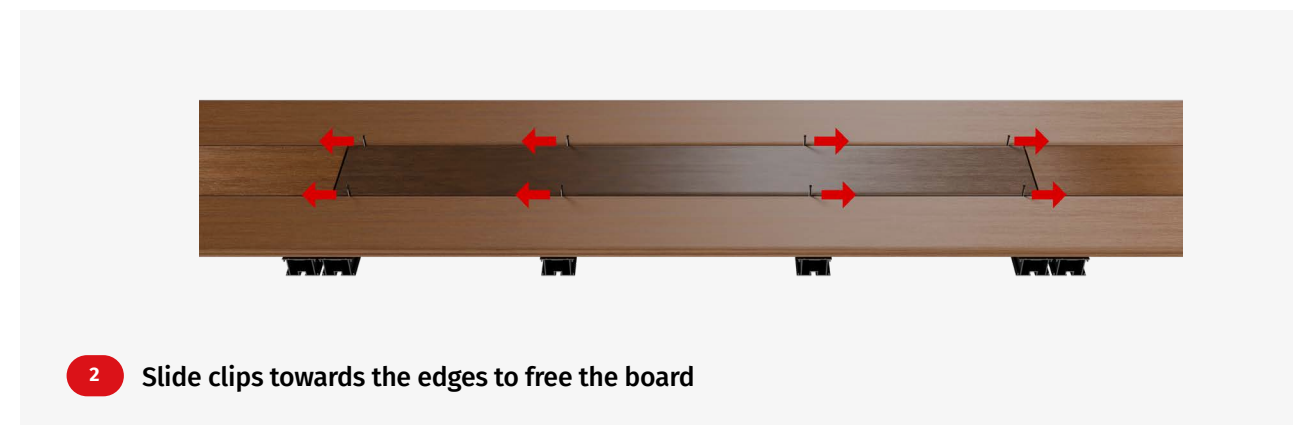
* Evaluation with a spacing between joists of 40mm

HYBRID CLIP INSTALLATION RULES

End-board fixings must be separate on either side of the butt joint and require an appropriate structure



REPLACING A BOARD





cobrafastener.com