

Alsina

FORMWORK SOLUTIONS



Alisply Circular

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ALISPLY CIRCULAR



► Versatile



The frame is the same design as the Alisply Walls frame, which allows quick and simple joining between straight and curved Alisply panels without requiring special accessories.

The joint and alignment of the panels horizontally and vertically is made using the GR-2 Clamp and the Adjustable Clamp; both are quick and manual.

► Productive



The Alisply Circular System, as well as its accessories, is designed for quick and easy assembly.

The use of the manual clamp, the joints at heights with the GR-2 Clamp, and the bent threads protected from concrete residue, mean high productivity when working with the straight walls. The radius can be changed without having to dismantle the module.

→ Extra-flat and preassembled circular wall formwork system

Circular wall formwork system, to be crane handled, consisting of a galvanized steel frame and a phenolic resin-coated plywood surface.

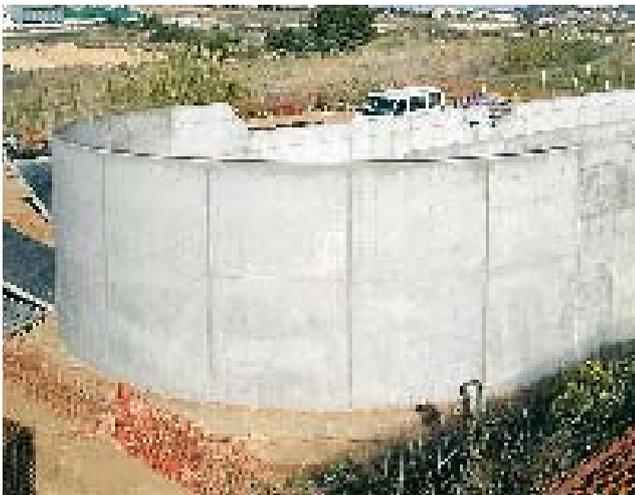
The panel joining system is made using the GR-2 Clamp; quick and manual, used in the Alisply Walls, Alisply Columns and Alisply Multipurpose systems.

The modules come preassembled from the workshop, only the radius has to be defined on site. In order to do this, the design of the panel includes all the necessary components (no special tool is required to curve the phenolic plywood).

Accessories of the Alisply Circular System:

- Aligners 9'-10 1/8", 19'-8 1/4" and 29'-6 5/16" (3, 6 and 9 m)
- Walkway bracket
- Climbing platform c-160 and C-240
- GR-2 Hand-Operated Clamp and GR-2 Adjustable Clamp
- Alsina concrete release agent
- Allowable pressure 1.250 psf (60 kN/m²)

▶ Smooth finish



The Alisply Circular System has a phenolic formwork surface that provides a fair-faced concrete finish, and offers the possibility of attaching chamfer strips, channels, bulkheads etc. in a comfortable and easy way.

▶ Savings



Both the design of Alisply Circular System and the materials used in its composition mean an important saving in formwork material and reduction in transportation costs. The module comes preassembled and has a thickness of 5 7/8" (15 cm).

The modularity at heights with clamps means that you do not need to use as much formwork on site because of the system's capacity to change and combine modules.

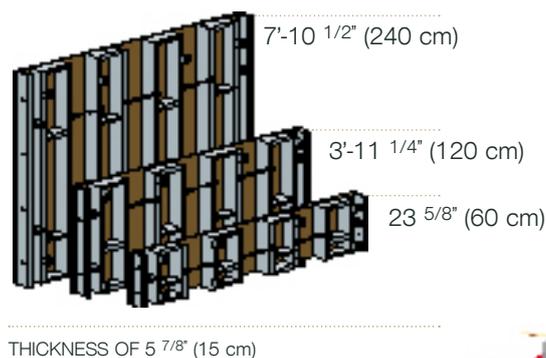
Characteristics of the Alisply Circular system

Preassembled module

Preassembled module with high resistance galvanized steel frame with built-in bent handles and long-lasting phenolic lining.

Alisply Circular has three sizes of shields used at heights: 23 5/8", 3'-11 1/4", 7'-10 1/2" (60, 120, 240 cm).

Also, each shield has two models: an interior radius 7'-10 1/2" (240 cm) one and an exterior radius 8'-2 7/16" (250 cm) one.



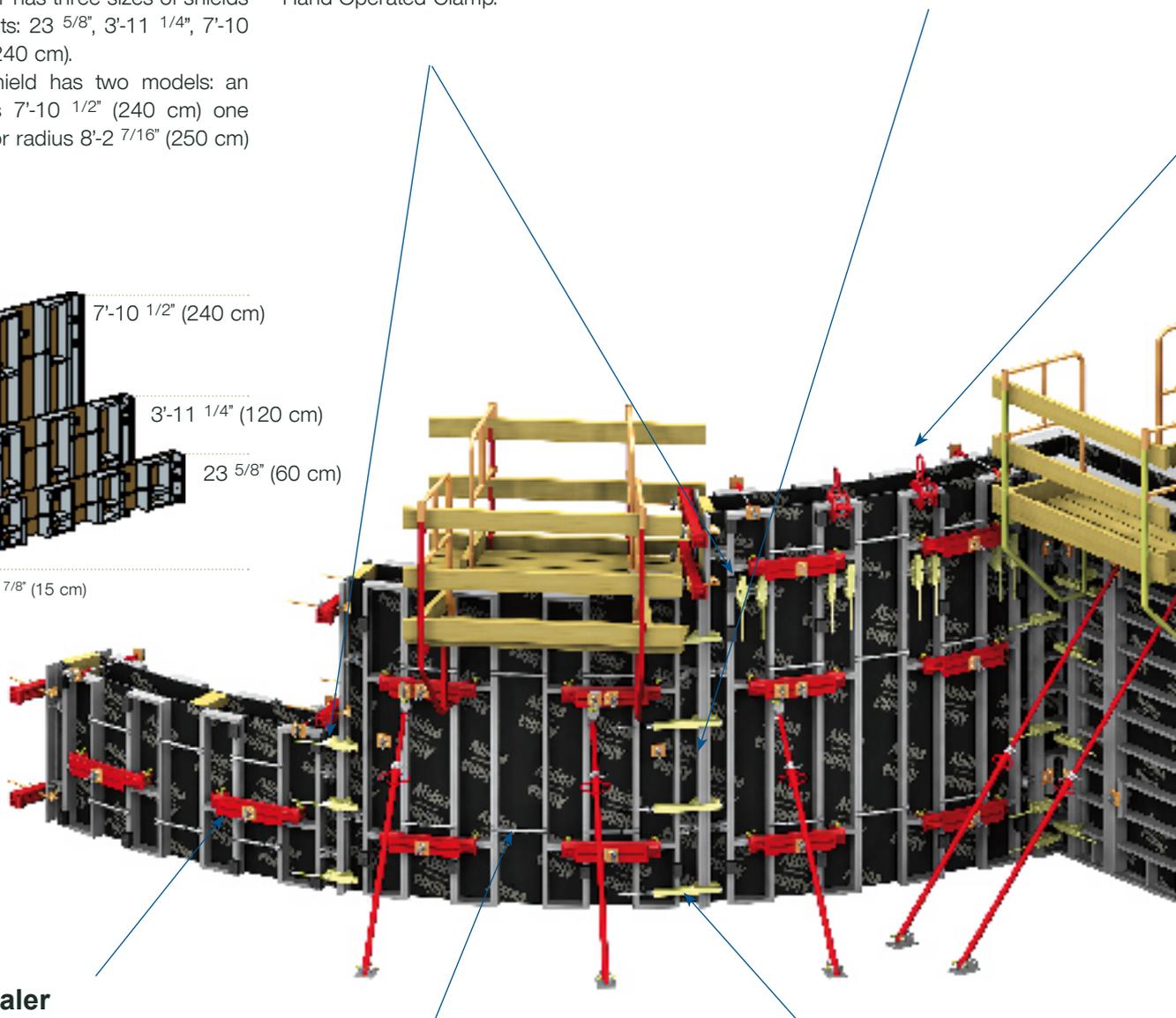
Manual clamp

VERTICAL AND HORIZONTAL JOINTS

The horizontal and vertical joining of the module is made using the GR-2 Hand-Operated Clamp.

Radial extensions

Extensions of 13/16" and 1 5/8" (2 and 4 cm) used to compensate for the width of the module and to define the radius of the wall correctly.



Tie-box waler

Component that supports the strain of the Dywidag tie bars. Its anchoring to the cross beams of the module is carried out using a bolt and a shear pin. When not anchored to the module, the Alisply Circular module can be "folded" and be stored efficiently.

Turnbuckles

The tensors are protected from hits, concrete debris and any other type of agent that may damage them or prevent them from working properly.

Adjustable clamp

Clamp designed for horizontal joining with wood fillers. It allows the addition of a complement of up to 10 1/4" (26 cm).

Lifting bracket

Essential element for the movement of the wall modules. Quick, easy and manual positioning; has a safety device that prevents accidental opening.

Walkway bracket with side-rail

Essential element for the safety of the operator while carrying out concrete work.

9'-10 1/8" x 7 7/8" (300 x 20 cm) Alisply filler

The different size modules of Alisply Walls allow you to make blockheads for different wall thicknesses.

Outside corner

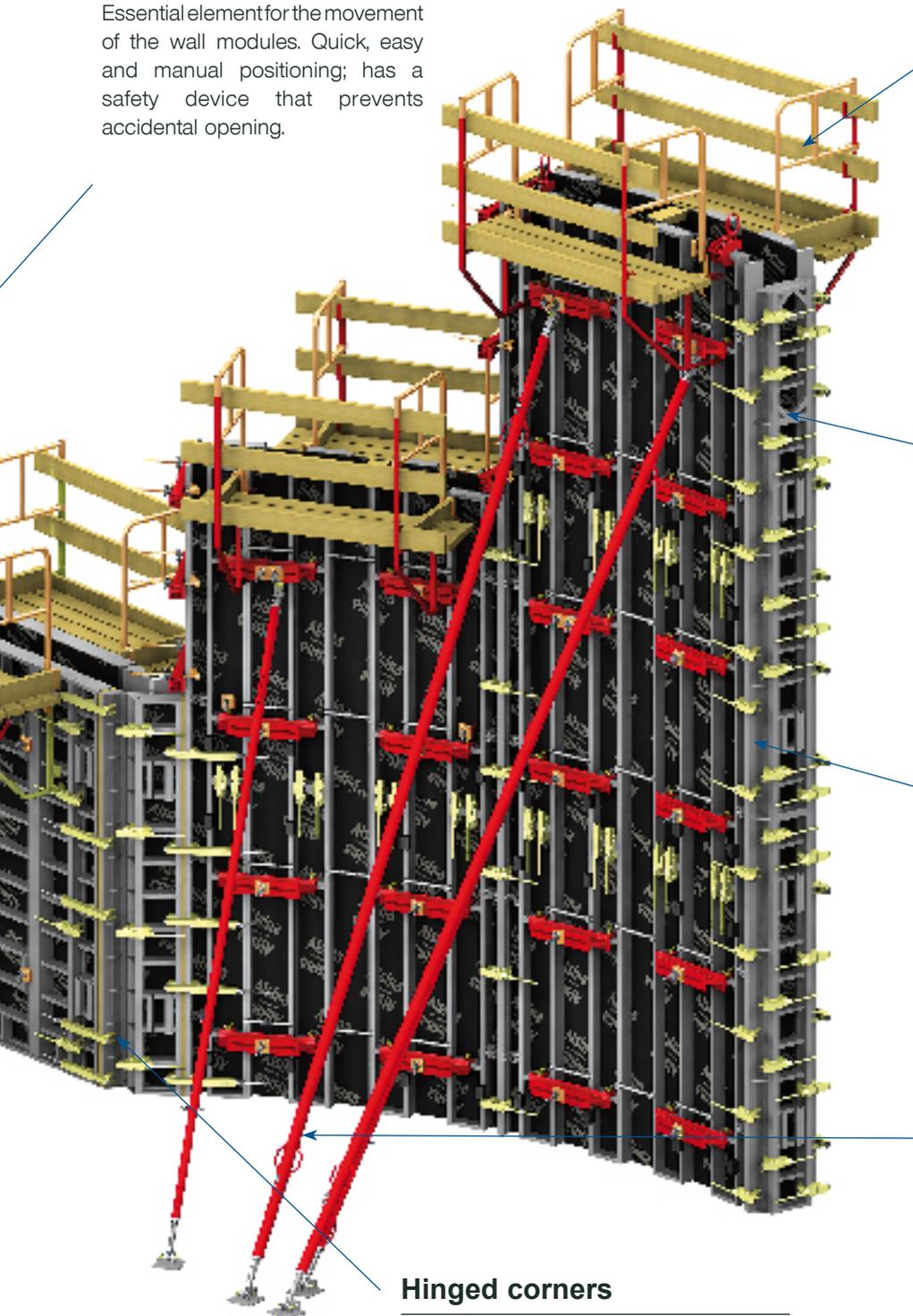
Accessory used to join two panels on the outside face of the wall and to create a 90° corner.

Aligners of 9'-10 1/8", 19'-8 1/4" and 29'-6 5/16" (3, 6 and 9 m)

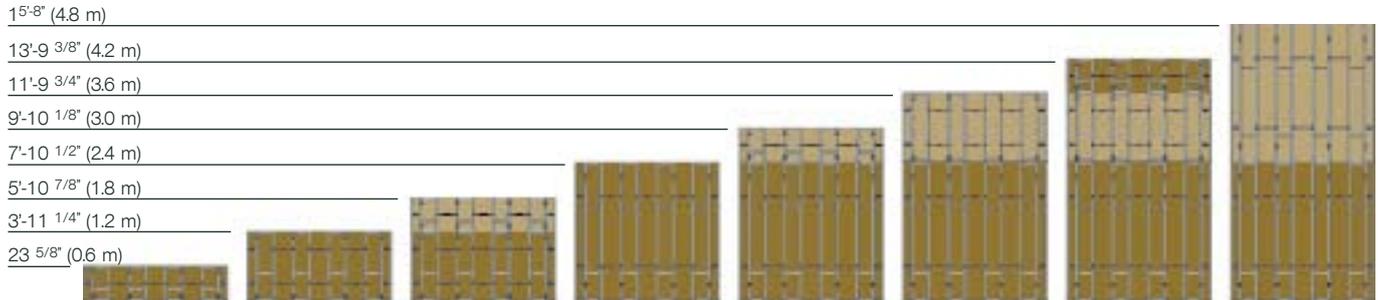
Range of Bracings that stabilize and plumb the wall modules.

Hinged corners

An easy solution for the corners of walls with non-right angles.



Modulation of the Alisply Circular System



Panel sizes

Alisply Circular system has three module measures height: 23 5/8", 3'-11 1/4" and 7'-10 1/2" (60, 120 and 240 cm)

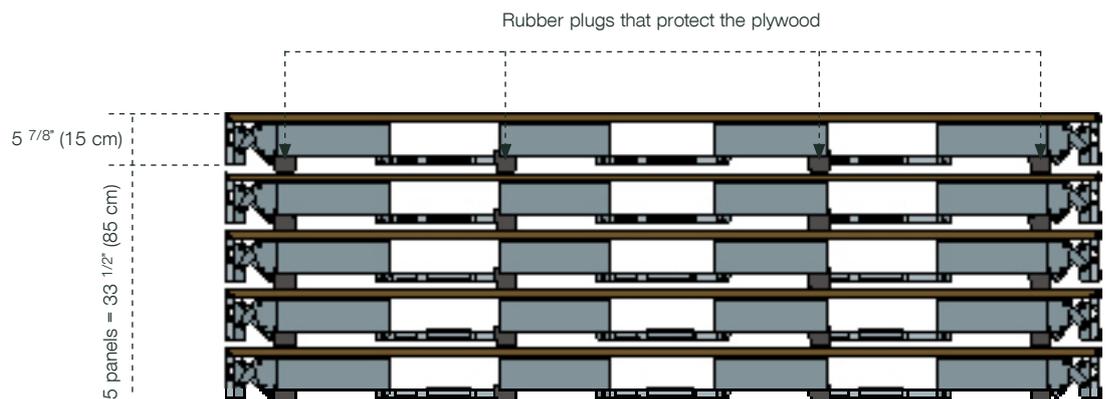
In this way can be joined vertically for every 23 5/8" (60 cm) heights.

Each module has two models: a screen with a developing inner radius of 7'-10 1/2" (240 cm) and an outer radius screen with a development of 8'-2 7/16" (250 cm).

PANEL SIZES INTERIOR RADIUS	PANEL SIZES EXTERIOR RADIUS
7'-10 1/2" x 7'-10 1/2" (240 x 240 cm) 7'-10 1/2" x 3'-11 1/4" (240 x 120 cm) 7'-10 1/2" x 23 5/8" (240 x 60 cm)	8'-2 7/16" x 7'-10 1/2" (250 x 240 cm) 8'-2 7/16" x 3'-11 1/4" (250 x 120 cm) 8'-2 7/16" x 23 5/8" (250 x 60 cm)
RADIAL SIZES INTERIOR RADIUS	RADIAL SIZES EXTERIOR RADIUS
1 5/8" x 7'-10 1/2" (4 x 240 cm) 13/16" x 7'-10 1/2" (2 x 240 cm) 1 5/8" x 3'-11 1/4" (4 x 120 cm) 13/16" x 3'-11 1/4" (2 x 120 cm) 1 5/8" x 23 5/8" (4 x 60 cm) 13/16" x 23 5/8" (2 x 60 cm)	1 5/8" x 7'-10 1/2" (4 x 240 cm) 13/16" x 7'-10 1/2" (2 x 240 cm) 1 5/8" x 3'-11 1/4" (4 x 120 cm) 13/16" x 3'-11 1/4" (2 x 120 cm) 1 5/8" x 23 5/8" (4 x 60 cm) 13/16" x 23 5/8" (2 x 60 cm)
ALLOWABLE PRESSURE: 1,253 psf (60 kN/m ²)	ALLOWABLE PRESSURE: 1,253 psf (60 kN/m ²)

Extra-flat panels

Extra-flat panels (only 5 7/8" (15 cm) thick, the Alisply Circular system provides optimal storage and transport.

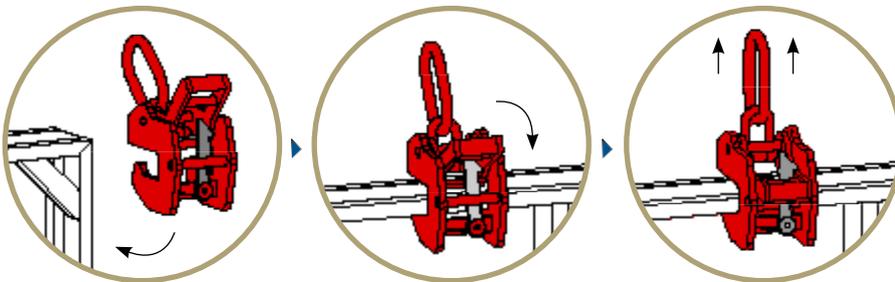


Accessories of the Alisply Circular System

Lifting bracket

Essential element for the movement of the wall modules. Quick, easy and manual positioning; has a safety device that prevents accidental opening.

For security, it is necessary to use two hooks for moving any material.

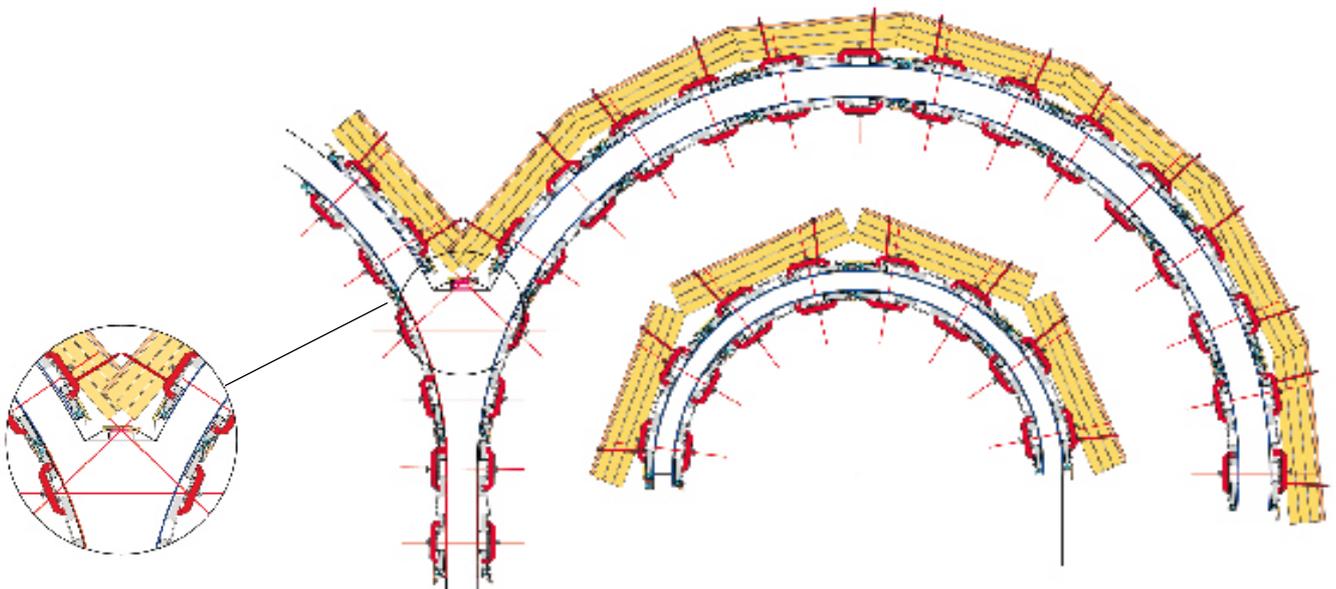


Close-up of the joining of the Lifting bracket with the Alisply Circular panel.

Alsitec

WASTEWATER TREATMENT PLANT

Alsina's Engineering Department shall carry out a technical study with the redesigning and the distribution of material necessary for starting work.



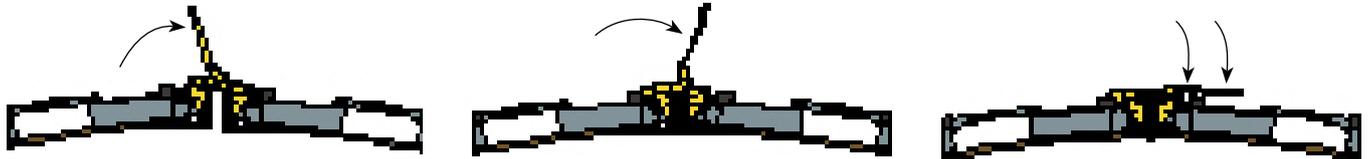
Accessories of the Alisply Circular system

GR-2 hand-operated clamp

The Alisply GR-2 Clamp joins the modules of the Alisply Circular System horizontally and vertically.

This operation can be carried out without tools. Because of the module's design, the clamp's position does not have to coincide with the position of the vertical posts.

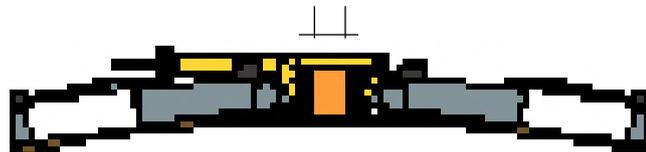
The GR-2 Clamp has a pressure regulator to adjust the joint strength.



GR-2 adjustable clamp

The GR-2 Adjustable Clamp is designed for the joining of panels needing wooden fillers. It can accommodate an accessory of up to 10 1/4" (26 cm) in width. Its positioning is optional on any point of the vertical frame.

from 0 to 10 1/4" (26 cm)



Walkway bracket

The Alisply Circular System has an accessory used to adjust the Walkway bracket. This is placed on the vertical cross beams of the module. It is quick and easy to place using shear pins and bolts instead of threaded components which may deteriorate.

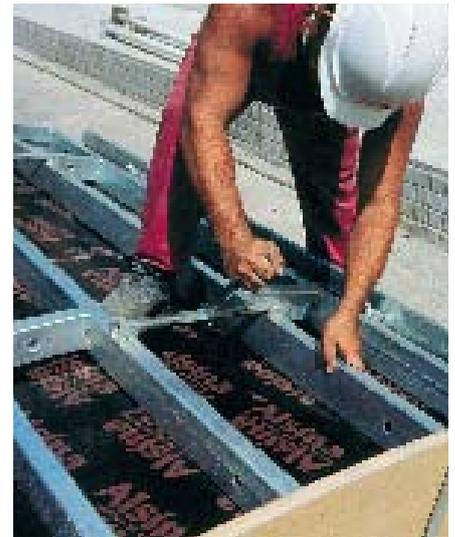
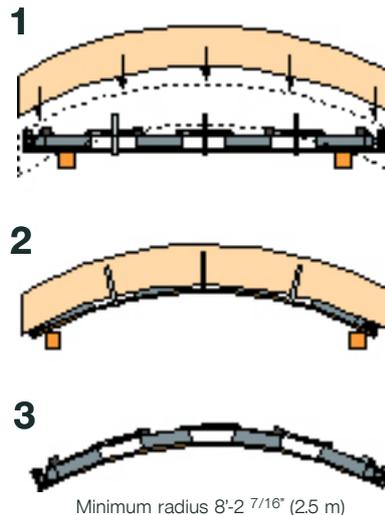


Table free radius set-up

The Alisply Circular System has an accessory used to curve the module without the need for trestles/tables. The Template Support is designed to fit to the phenolic panel of the module.

Process to define the radius of the module:

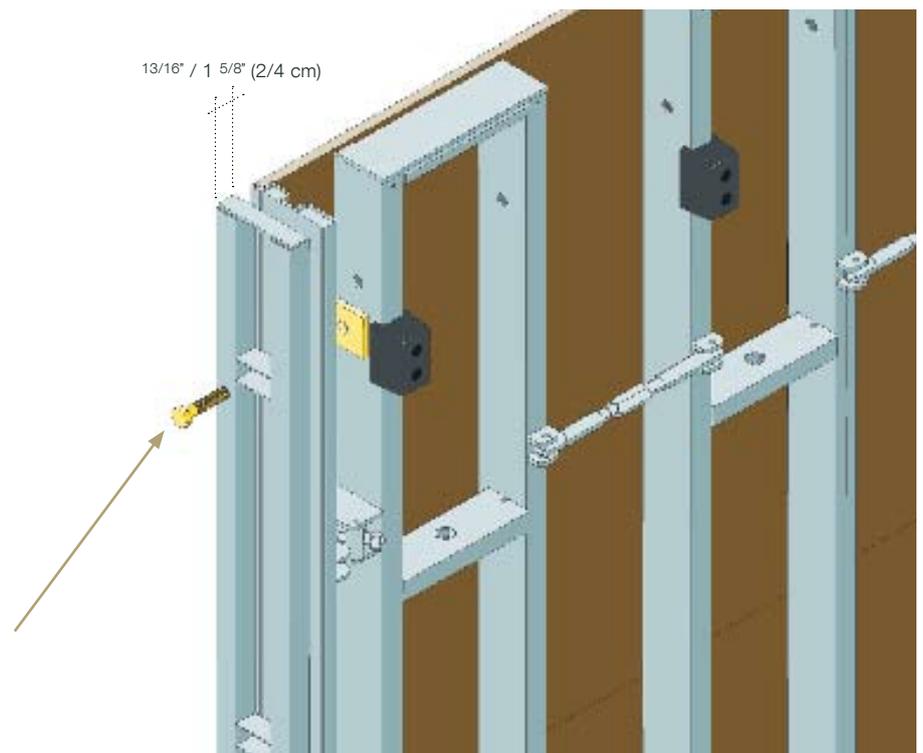
- 1.- Place three supports in the spaces between the cross beams.
- 2.- Then position the template with the desired radius on the three supports.
- 3.- The panel is then shaped into the required radius by adjusting the screws of the tensors in a uniform way so as not to damage the phenolic surface.



Steel fillers

The Alisply Circular System has extension pieces of $1\frac{3}{16}''$ and $1\frac{5}{8}''$ (2 and 4 cm) that enable adjustment of the width of the panel, this way ensuring the correct definition of the wall's radius.

These extensions can be used with both internal and external radius panels and are fitted with a nut and a screw that prevent them coming apart when the formwork is released, enabling them to be reused in later jobs.



Close-up of the extension pieces joining with the module using the bolt and the nut with plate.