



MACHINING OPTIONS,
PRICELIST ITEM

TECHNICAL DOCUMENTATION CONTENT

TECHNICAL DOCUMENTATION

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ON-LINE



Technical documentation



Certificates

Warning:
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Warning:
You can find the current technical documentation on the website in downloads section.

CONTENT

CNC HUNDEGGER PBA

Maximum format: 3 x 12,5 m

Tolerance: cca $\pm 0,5$ –1 mm

Tools

Circular saw:

\varnothing 750, thickness 6.8 mm, depth of cut 250 mm

The saw can be rotated through 360° and skewed from 0° to 90°.

A set of 5 (9) circular saws, \varnothing 400 mm, thickness 8 (4) mm

(e.g. for acoustic panels).

Chainsaw:

Chain thickness 12 mm. Slat width 200 mm. The saw can be rotated through 360° and skewed from 0° to 90°. The corners can be made accurately without a radius.

Milling tools:

\varnothing 20 mm – spiral shank cutter, length of 105 mm

\varnothing 25 mm – spiral shank cutter, length of 150 mm

\varnothing 30 mm – spiral shank cutter, length of 180 mm

\varnothing 500 mm – cylindrical milling cutter, width of 26 mm

\varnothing 500 mm – cylindrical milling cutter, width of 40 mm

Drills:

\varnothing 30 mm, length of 2,000 mm (for drilling of openings for electrical wiring)

\varnothing 15 mm, length of 100 mm (standard drilling)

Software: Cadwork CAD/CAM , Hundegger Cambium



Warning: the section surfaces and the milled surfaces always correspond to no-visual quality.

MACHINING POSSIBILITIES

CONTENT

CNC HAMUEL REICHENBACHER

Maximum format: 2,5 x 7 m

Tolerance: $\pm 0,5$ mm

Tools

Circular saw:

Ø 300 mm, thickness of 3.2 mm

Ø 450 mm, thickness of 4 mm

The saw can be rotated through 360° and skewed from 0° to 90°.

Milling tools:

Ø 8 mm – spiral shank cutter, length of 30 mm

Ø 20 mm – spiral shank cutter, length of 50, 105 mm

a set for the spring and the groove and facade joints

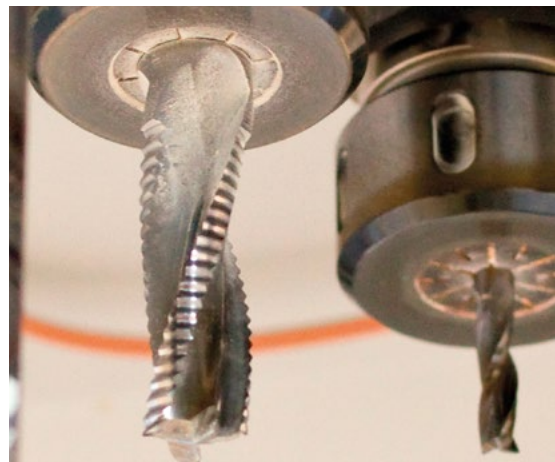
a set for the dowtail joint (depth 22mm).

Drills:

Ø 6, 8, 10, length 25, 40 mm

Ø 12 mm, length 100 mm

Ø 15 mm, length 100 mm



Warning: the section surfaces and the milled surfaces always correspond to no-visual quality.

1

2

CONTENT

CNC HOUFEK FENIX

Maximum format: 2.5 x 6 m

Tolerance: ±0,5 mm

Tools

Circular saw:

∅ 300 mm, thickness of 4.4 mm

∅ 450 mm, thickness of 4 mm

The saw can be rotated through 360° and skewed from 0° to 90°.

Milling tools:

∅ 8 mm – spiral shank cutter, length of 30 mm

∅ 20 mm – spiral shank cutter, length of 50, 105 mm a set for the spring and the groove

Drilling head (15 drills):

A span of 32 x 32

∅ 6, 8, 10, length of 25, 40 mm

Other tools:

Flextrim – surface treatment



CNC HOUFEK SCORPION

Maximum format: 2 x 4 m

Tolerance: ±0,5 mm

Tools

Circular saw:

∅ 300 mm, thickness of 4.4 mm

The saw can be rotated through 360° and skewed from 0° to 90°.

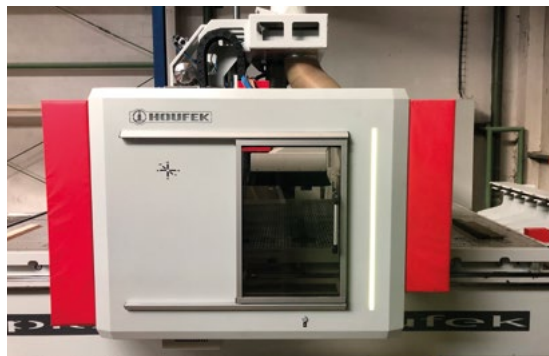
Milling tools:

∅ 8 mm – spiral shank cutter, length of 30 mm

∅ 20 mm – spiral shank cutter, length of 50, 120 mm a set for the spring and the groove

Other tools:

Flextrim – surface treatment



Warning: the section surfaces and the milled surfaces always correspond to no-visual quality.

MACHINING POSSIBILITIES

CONTENT

CNC HUNDEGGER SPEEDCUT

Maximum format: 0,2 x 0,45 x 13 m

Tools

Circular saw:

ø 720 mm, five-axis

Milling tools:

Bottom cutter 20-30 mm – length of approx. 100–150 mm (milling from the bottom only)

Revolving cutter includes – ø 300 mm cylindrical cutter, width of 40 mm, max machining depth of 73 mm

Shank cutter 20–30 mm, length of 100–150 mm (milling from the side only)

Drills:

ø 15 mm, length 100 mm



VITAP – DRILLING MACHINE

Maximum format: 1,25 x 3 m

Tools

Drilling set:

55 drills, a span of 32 x 32

Drills:

ø 4, 8, 10, 15 mm



HOUFEK – BRUSHING MACHINE

Maximum format: 1,25 x 6 m

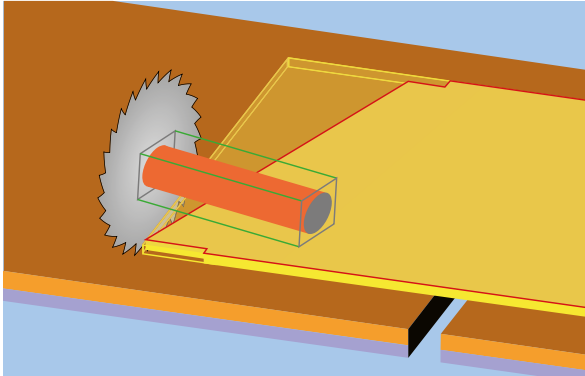
Tools

5 spindles

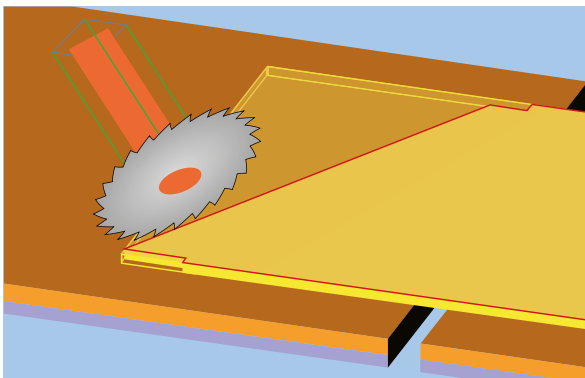


CONTENT

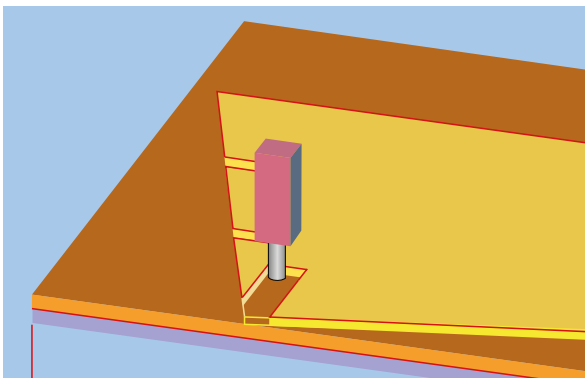
TRIMMING INTO SHAPES



Circular saw – cutting of various angles.



Circular saw – can be skewed under various angles.



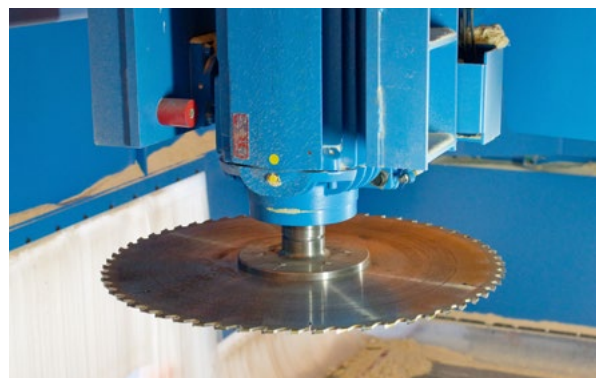
Shank cutter.



Final cutting of the shape with a shank cutter (with a radius).



Various milling tools.

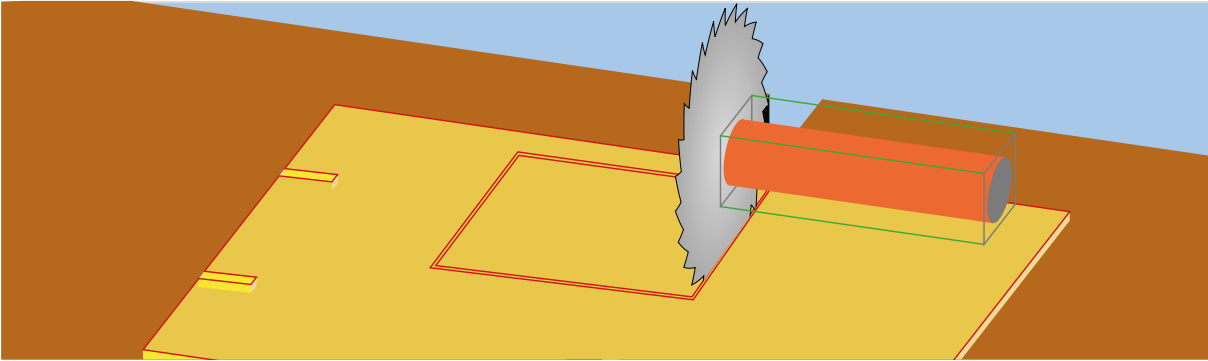


Circular saw.

MACHINING POSSIBILITIES

CONTENT

CUTTING OF OPENINGS



1. Circular saw – incision of the opening (not possible to cut out the entire opening).



Various formats and sizes of the openings.



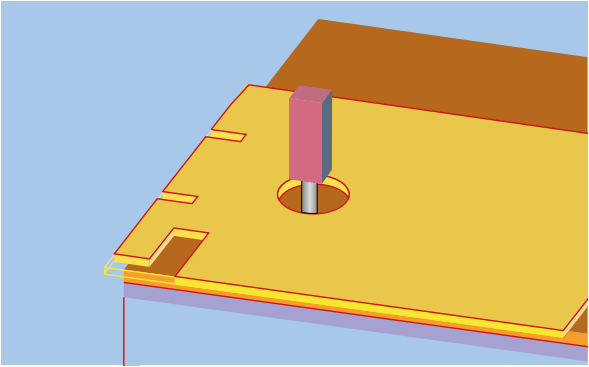
Various formats and sizes of the openings.



2. Final cutting with a milling cutter – execution with a radius (visual quality).



Detail of trimming with a milling cutter – execution with a radius (visual quality).



3. Shank cutter – execution with a radius (visual quality).



Any number of openings of various shapes can be milled from above.

CONTENT

CUTTING OF OPENINGS



Milling of round openings.



Milling of angular openings, execution with a radius.

MACHINING POSSIBILITIES

CONTENT

GROOVES

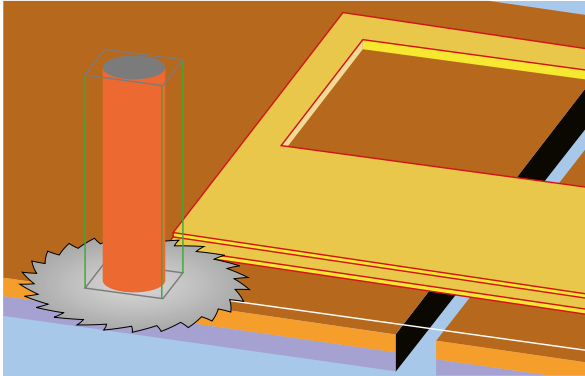
Various profiles of grooves and channels can be milled vertically, from above, using a shank cutter or a cylindrical milling cutter.



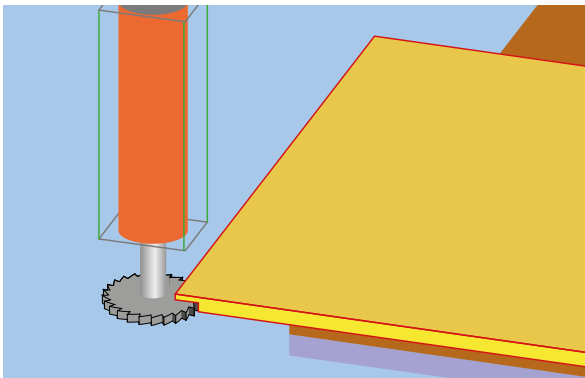
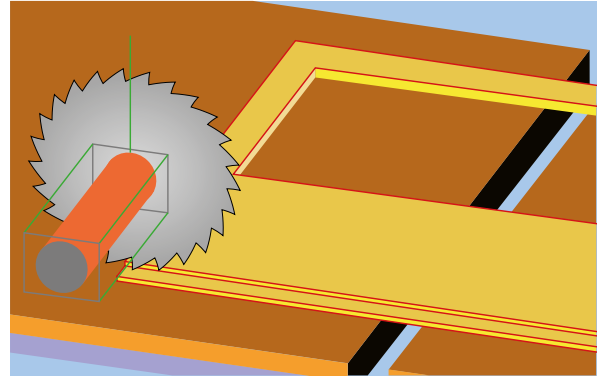
Grooves from the side can be made with a saw.

CONTENT

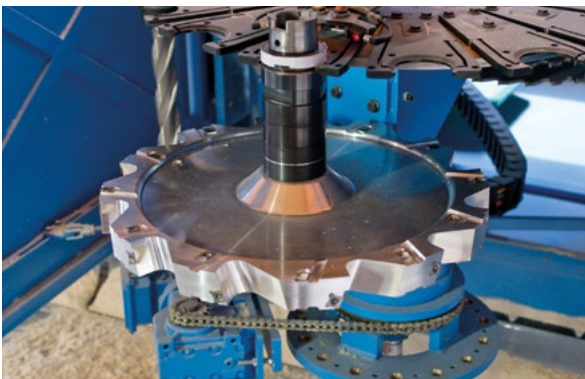
CONNECTIONS FOR OVERLAPPING



Circular saw.



Cylindrical milling cutter – possibility of milling from the bottom side (maximum depth 100 mm from the edge).



Cylindrical milling cutter.

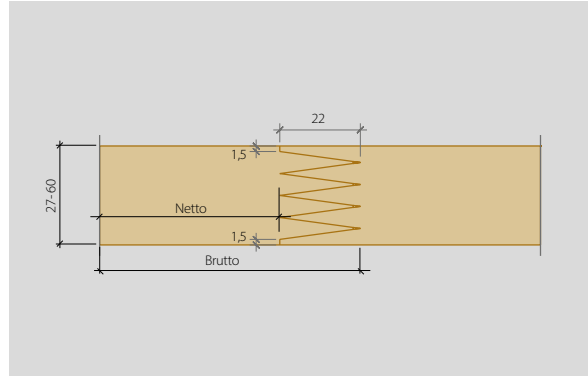
MACHINING POSSIBILITIES

CONTENT

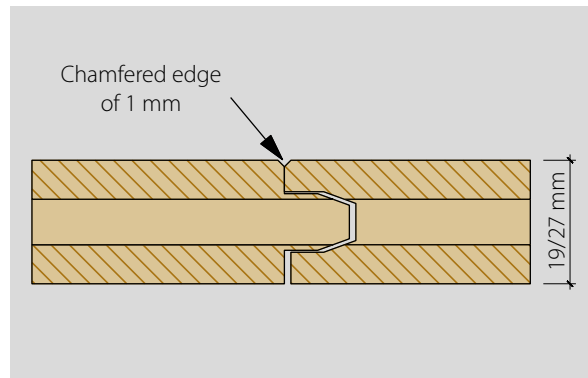
OTHER JOINTS



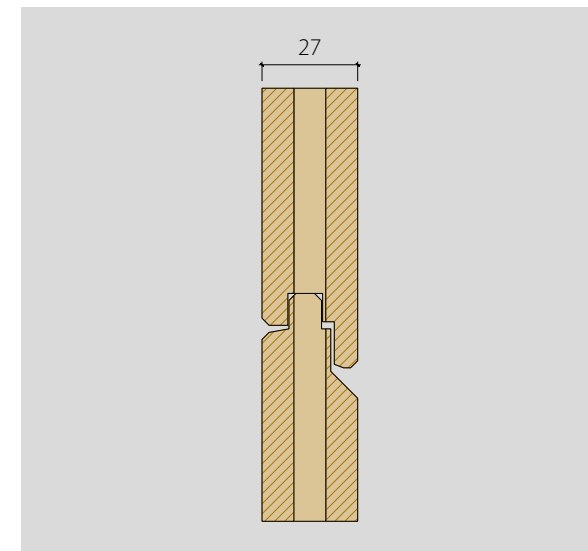
Dowtail joint (depth 22 mm).



Spring and groove for EASY BOARD.

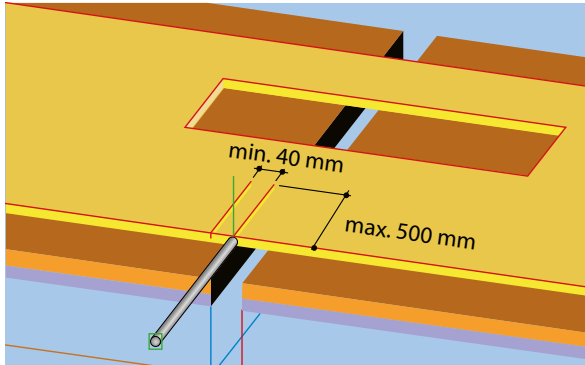


Spring and groove for FACADE panels.



CONTENT

OPENINGS FOR ELECTRICAL WIRING



1. Drill – drilling is possible only from one side.

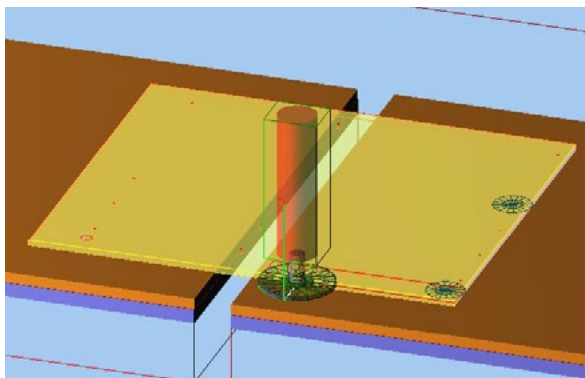


2. Milling cutter – milling of grooves before gluing of panels.

Note:

Machining of wall panels is possible only from the top (visual) side and from the sides. In the case of a request for a double-sided visual execution and the related machining for electrical installations and building openings, details and places are created that are very complicated for machining according to the requirements.

If the wall panels are to be rotated for the machining requirements, machining to the required tolerances cannot be done – for this reason we do not offer this type of machining.



Preparation for electrical wiring inside the panels across the entire height of the walls.

MACHINING POSSIBILITIES

CONTENT

INDIVIDUAL MACHINING



An example of individual machining of NOVATOP OPEN – a pin joint.



Moulded lifting straps.



Individual NOVATOP OPEN prefabrication.



Individual NOVATOP OPEN prefabrication.

CONTENT

ACOUSTIC PANELS – perforation into different profiles



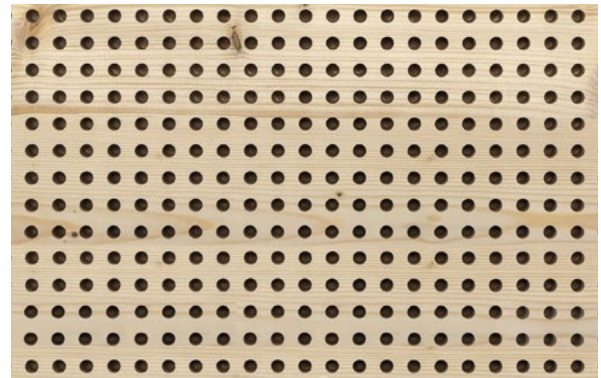
Profile Suzanna.



Profile Marilyne.



Profile Giulia.



Profile Lucy.

SPECIAL PROJECTS

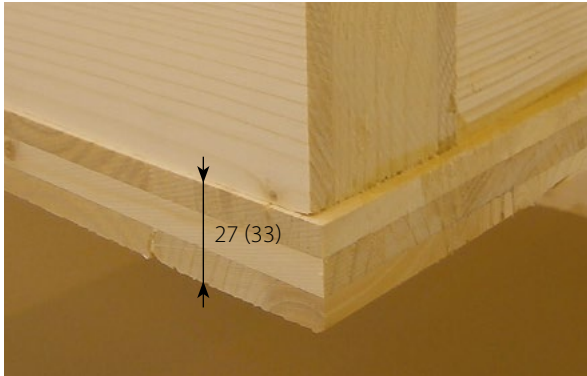


It is possible to create different shapes according to the data in CAD, machining is performed with a shank cutter perpendicularly to the surface of the panel.

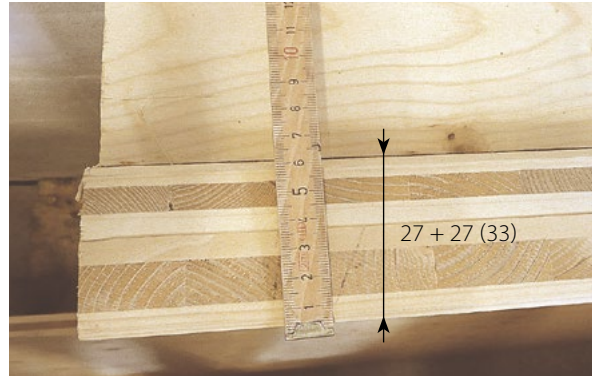
PRICELIST ITEMS

NOVATOP ELEMENT/OPEN

CONTENT



Fire resistance REI 30 (SWP 27 mm), REI 45 (SWP 33 mm).



Fire resistance REI 60 min (SWP 27+27 (33) mm).



Filling with mineral insulation.



Filling with wood-fibre insulation.



Fitting of insulation into the longitudinal joint.



Fitting of fireproof tape into the longitudinal joint.



Fireproof tape.

CONTENT



Limestone filling (40, 60, 80 kg/m²).



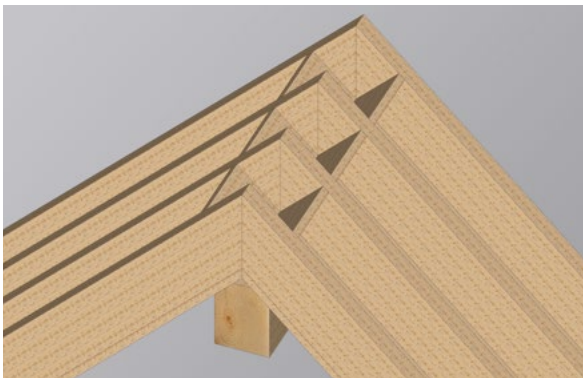
Enclosure of the visual cut-out with a solid-wood panel.



Reinforcement with solid wood at the point of pressure.



Reinforcement with solid wood at the point of pressure.



Installation of the element at the ridge.



Chamfer cut of the whole element.



Machining of installation – single-stage.



Machining of installation – two-stage.

PRICELIST ITEMS

NOVATOP ELEMENT/OPEN

CONTENT



Cut-out in the area of the element – circular/angular up to 2.99 m².



Cut-out in the area of the element over 3 m².



Drilling/milling of openings of up to \varnothing 200 mm.



Drilling of holes into the ribs for wiring and piping installations.

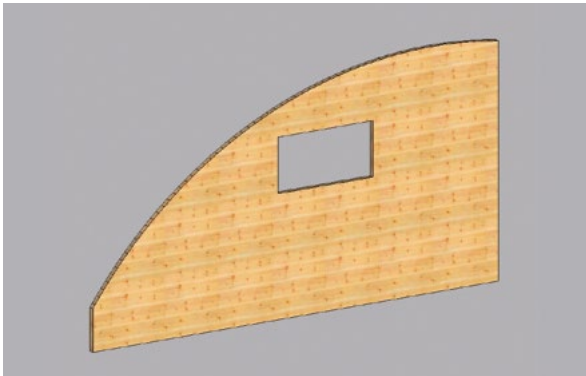


Longitudinal cut-out in the upper board, unglued for wiring and piping installations.

1

2

CONTENT



Round machining.



Cut-out up to 2,99 m².



Cut-out over 3 m².



Machining for installations.



Preparation of connection and installation – SOLID 84, 124 mm.



Preparation of connection and installation – SOLID 84, 124 mm.



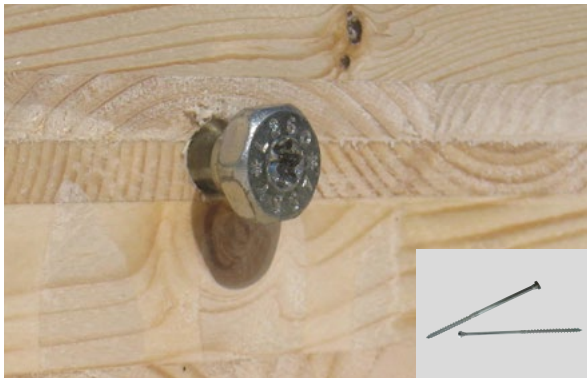
Preparation of connection and installation SOLID 62 mm.



Gooseneck.

PRICELIST ITEMS ACCESSORIES

CONTENT



Suspension screws (SOLID).



Suspension metal shackle (SOLID).



Suspension shackles (4pcs for one ELEMENT).



Ratchet.



Gooseneck pipes (ELEMENT).



Fire safety cabinet (ELEMENT/OPEN).

CONTENT

A grid of dots representing a table of contents, with a vertical line on the left side.

NOTES

CONTENT

A large grid of small dots for taking notes, consisting of 20 columns and 30 rows.



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