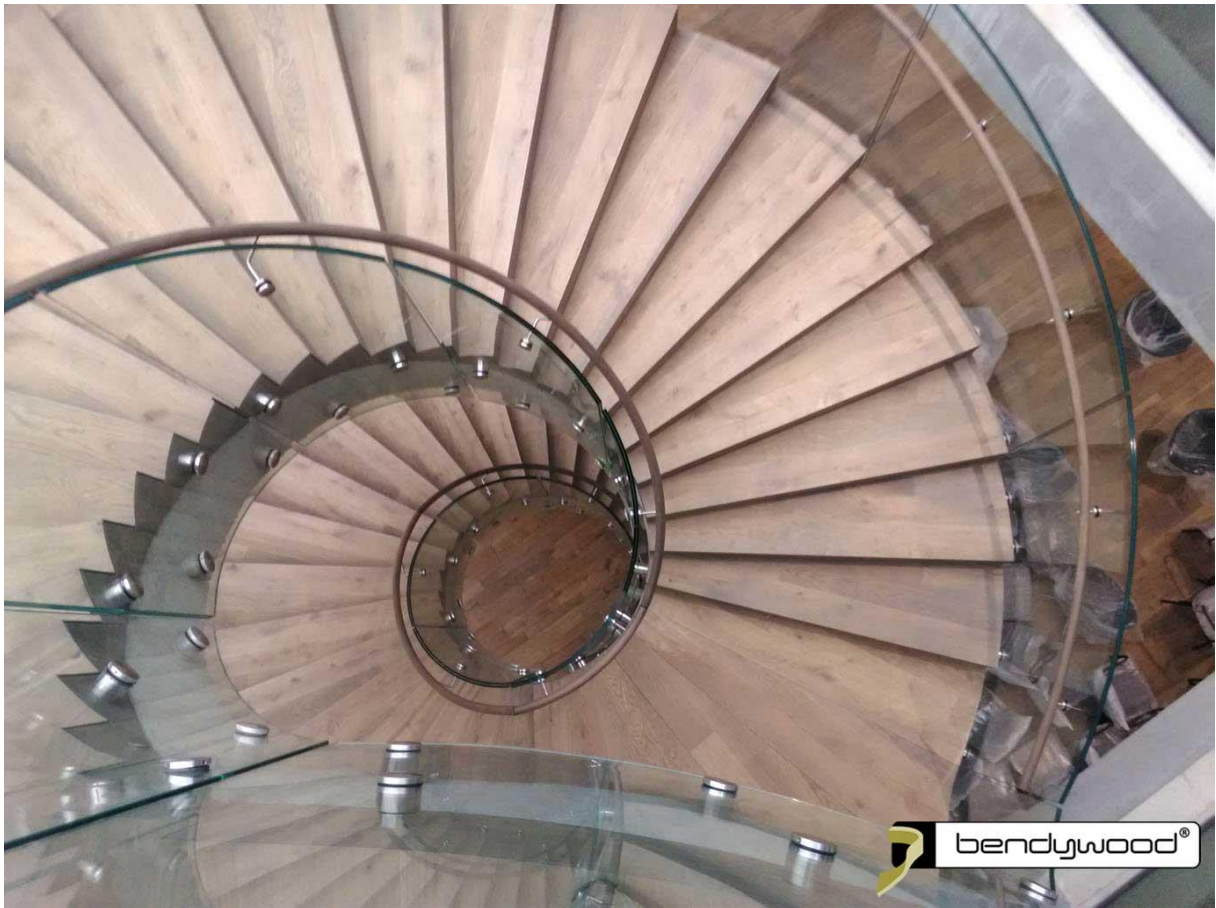




MILL FIRST, BEND AFTERWARDS !

PRODUCT RANGE 2021

BENDING STAIR HANDRAILS



Do you need advice for a specific project?
Contact our offices for a free feasibility check (drafts suffice).

**Working and bending instructions, as well as sample applications
are available at www.bendywood.com**

SALES CONDITIONS

MINIMUM ORDER VALUE:

Minimum order value = 150 euros (merchandise value);

For smaller orders service charges will be invoiced:

- 40 euros for orders between 100 euros - 150 euros
- 60 euros for orders smaller than 100 euros

PAYMENT:

- Payment in advance (bank transfer).
- Open accounts only upon approval.
- According to art. 1470 and 1509 of the Italian Civil Code the goods remain property of Candidus Prugger Sas until they are fully paid.

DELIVERY TERMS:

- Prices are „ex works“ (EXW) or with a transport agent of our choice (upon approval of quotation, the freight costs are invoiced).

DEPOSITS:

- Orders for modified items will require a 50% deposit.

RETURN POLICY:

- No returns accepted on customized items.
- 30 days return policy strictly enforced.
- 15% restocking charge will apply on all returns.
- No returns accepted on material that has been worked or altered in any way.
- All returns must be properly packaged and items will be inspected upon return before a credit will be issued.
- No credit will be given on unauthorized returns.

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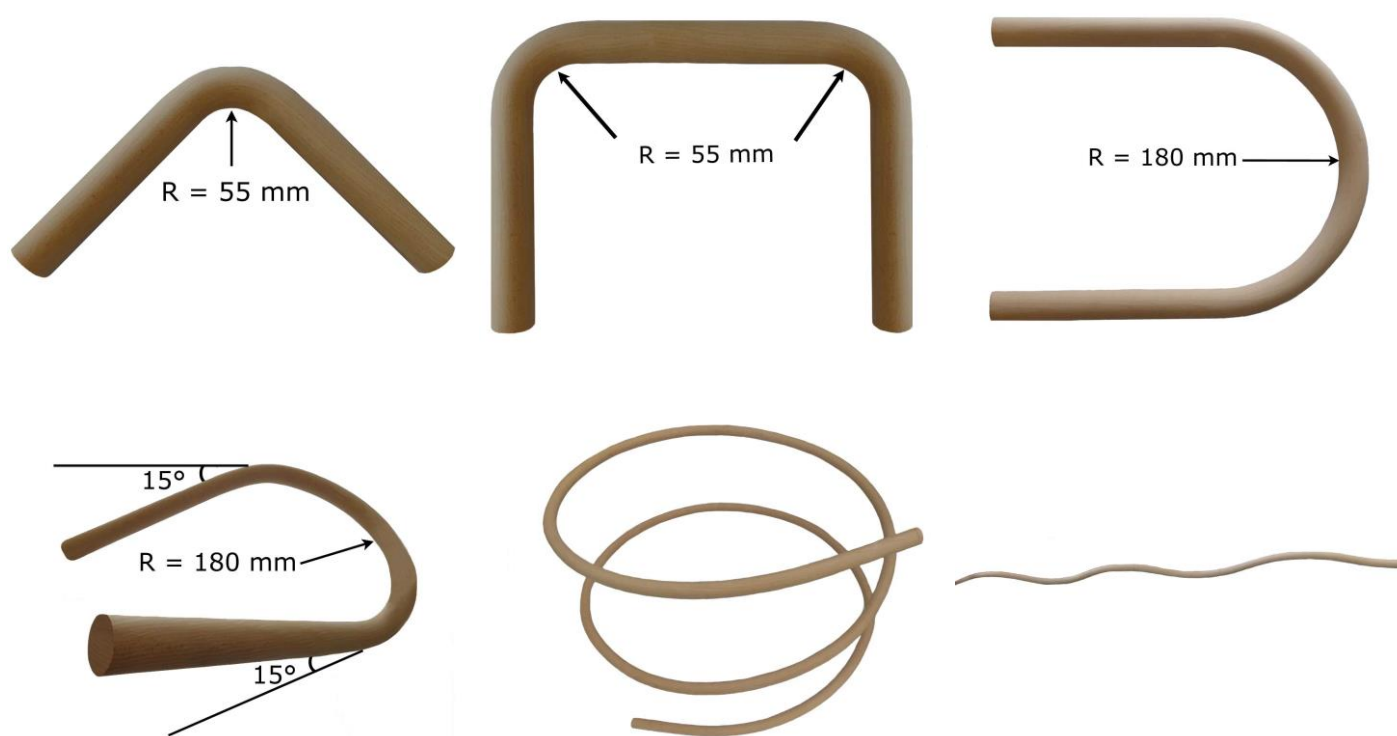


BENT ROUND HANDRAIL PARTS IN BENDYWOOD®

For small batches and prototypes, made to your specifications and supplied ready for assembly:

- angles with $R = 55 \text{ mm}+$;
- landing connection parts;
- connection bends;
- pre-bent handrails;

Below please find a few **examples** of bent handrail parts in Bendywood®:



Diameter: from $\varnothing 40 \text{ mm}$ to $\varnothing 60 \text{ mm}$.

Wood species: beech, maple, ash, red oak, oak, American cherry, walnut, American walnut.

Price: on request.

BENDING STAIR HANDRAILS

1. BENDYWOOD® ROUND HANDRAILS WITH DIAGONAL JOINTS for bending

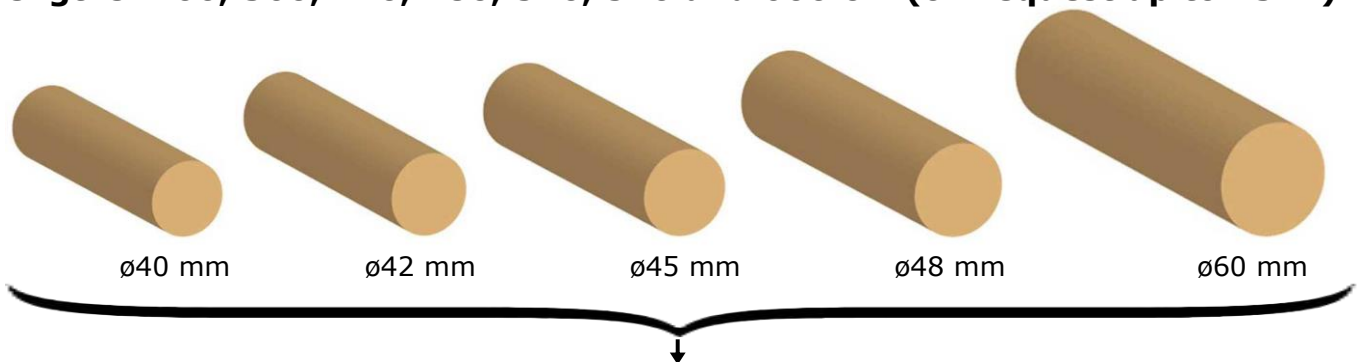


Bendable up to a radius of 1 : 20 at about 12% moisture content
i.e. a 40 mm thick handrail up to a radius of 800 mm.

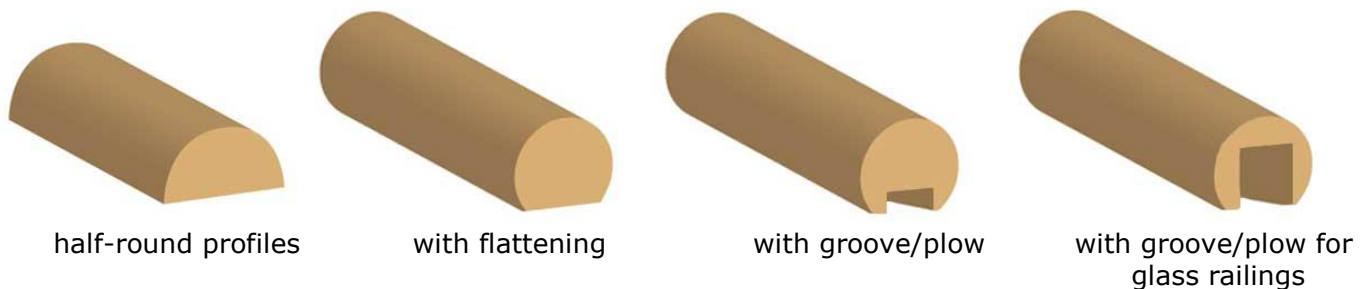


Only the handrails with diagonal joints can be bent with a ring rolling bending machine (up to a radius of 1 : 20). See [bending instructions](#). For this reason you can do without expensive moulds.

Lengths: 200, 360, 420, 480, 520, 540 and 600 cm (on request up to 13 m)



Can also be supplied as **half-round profiles** and with **flattening** or **groove/plow**.



Code	Size (mm) diameter	Bendable to a radius of:	Beech €/m.	Maple Ash Red Oak €/m.	Oak American Cherry €/m.	Walnut €/m.	American Walnut €/m.
P-40	ø40	800 mm	✓	✓	✓	✓	✓
P-42	ø42	840 mm	✓	✓	✓	✓	✓
P-45	ø45	900 mm	✓	✓	✓	✓	✓
P-48	ø48	960 mm	✓	✓	✓	✓	✓
P-60	ø60	1.200 mm	✓	✓	✓	✓	✓

On request all diameters from ø 20 mm up to ø 65 mm can be supplied.

Individually packed in cardboard tubes, **ready to be bent with about 12% moisture content**.
The handrails should only be unpacked just before you start bending.

2. BENDYWOOD® ROUND HANDRAILS WITH NORMAL JOINTS for bending



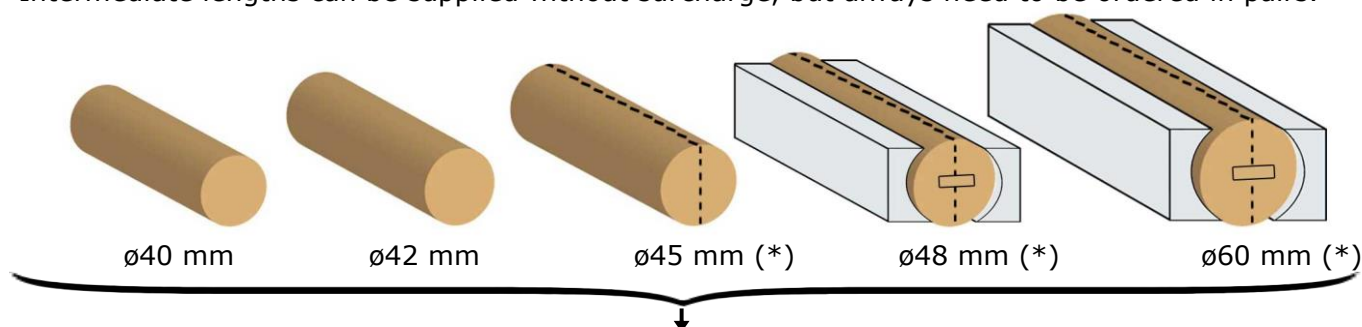
Low-priced and also bendable up to a **radius of 1 : 20** at about 12% moisture content i.e. a 40 mm thick handrail up to a radius of 800 mm.



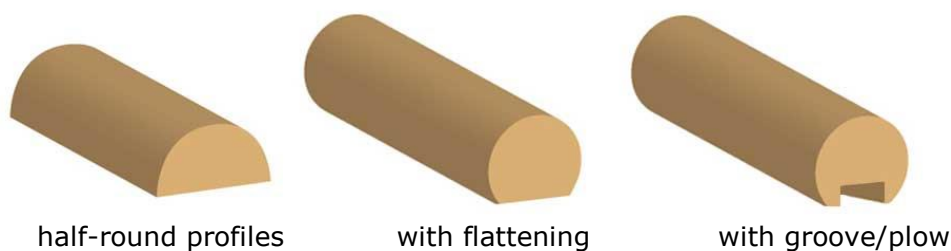
ATTENTION: the bending handrails with normal joints **CANNOT** be bent with a ring rolling bending machine.

Lengths: 200, 360, 500 and 600 cm (on request up to 13 m – in pairs)

Intermediate lengths can be supplied without surcharge, but always need to be ordered in pairs.



Can also be supplied **cut in half**, as **half-round profiles** and with **flattening** or **groove/plow**. Also available with **matching bending moulds**. Cutting into halves at no charge.



ATTENTION:
In case of a **profound groove/plow** and a **bending radius close to the limit**, the use of diagonally jointed handrails is recommended!

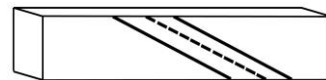
Code	Size (mm) diameter	Bendable to a radius of:	Beech €/m.	Maple Ash Red Oak €/m.	Oak American Cherry €/m.	Walnut €/m.	American Walnut €/m.
NEW-P-40	ø40	800 mm	✓	✓	✓	✓	✓
NEW-P-42	ø42	840 mm	✓	✓	✓	✓	✓
NEW-P-45	ø45	900 mm	✓	✓	✓	✓	✓
	(*) in 2 halves	450 mm					
NEW-P-48	ø48	960 mm	✓	✓	✓	✓	✓
	(*) in 2 halves with tongue	480 mm					
NEW-P-60	ø60	1.200 mm	✓	✓	✓	✓	✓
	(*) in 2 halves with tongue	600 mm					

Matching bending mould:	ø48 mm	ø60 mm
in Bendywood® - €/m.	✓	✓
in softwood - €/m.	✓	✓

On request all handrail diameters from ø 20 mm up to ø 65 mm can be supplied.

Individually packed in cardboard tubes, **ready to be bent with about 12% moisture content**. The handrails should only be unpacked just before you start bending.

3. BENDYWOOD® SQUARE-EDGED RAW BARS WITH DIAGONAL JOINTS for bending



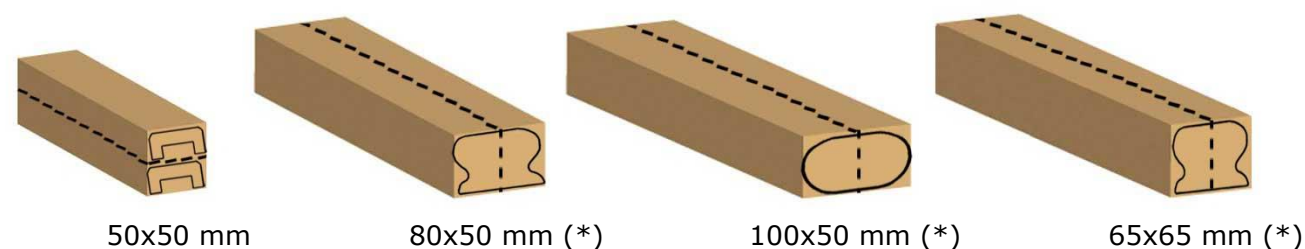
Bendable up to a radius of 1 : 20 at about 12% moisture content
i.e. a 50x50 mm thick handrail up to a radius of 1.000 mm.



Only the handrails with diagonal joints can be bent with a ring rolling bending machine (up to a radius of 1 : 20). See [bending instructions](#). For this reason you can do without expensive moulds.

Lengths: 450, 520 and 600 cm (on request up to 13 m)

Raw bars **with about 8% moisture content, for the purpose of profile milling.**
Packed in cardboard and ready to be machined.



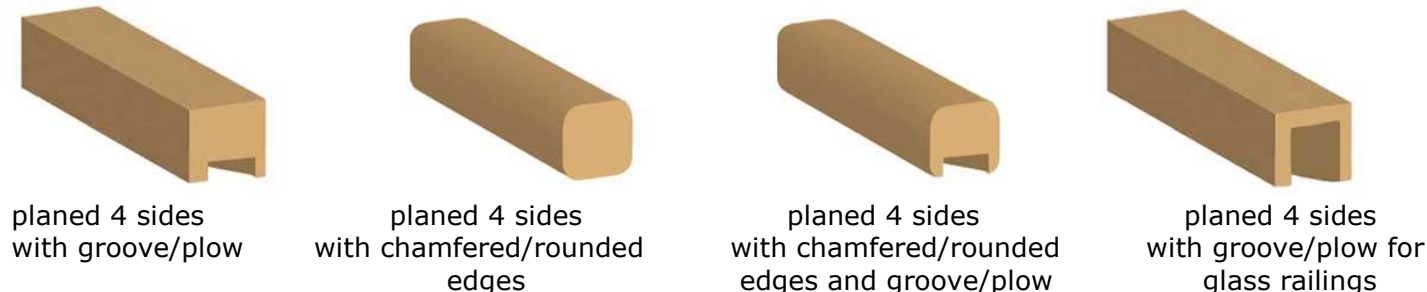
50x50 mm

80x50 mm (*)

100x50 mm (*)

65x65 mm (*)

Can also be supplied **planed (4 sides)** with **groove/plow, chamfered** or **rounded edges** with **radius 3 mm, 5 mm or 10 mm.**



planed 4 sides
with groove/plow

planed 4 sides
with chamfered/rounded
edges

planed 4 sides
with chamfered/rounded
edges and groove/plow

planed 4 sides
with groove/plow for
glass railings

Code	Size (mm) width x height	Bendable to a radius of: (depending on the profile's cross section)	Beech €/m.	Maple Ash Red Oak €/m.	Oak American Cherry €/m.
REC-50x50	ca. 50x50	1 : 20	✓	✓	✓
REC-80x50	ca. 80x50	1 : 20	✓	✓	✓
	(*) with profile cut in half	1 : 10			
REC-100x50	ca. 100x50	1 : 20	✓	✓	✓
	(*) with profile cut in half	1 : 10			
REC-65x65	ca. 65x65	1 : 20	✓	✓	✓
	(*) with profile cut in half	1 : 10			

4. BENDYWOOD® SQUARE-EDGED RAW BARS WITH NORMAL JOINTS for bending



Low-priced and also bendable up to a **radius of 1 : 20** at about 12% moisture content
i.e. a 50x50 mm thick handrail up to a radius of 1.000 mm



ATTENTION: the bending handrails with normal joints **CANNOT** be bent with a ring rolling bending machine.

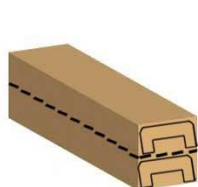
Lengths: 200, 360, 500 and 600 cm (on request up to 13 m – in pairs)

Intermediate lengths can be supplied without surcharge, but always need to be ordered in pairs.

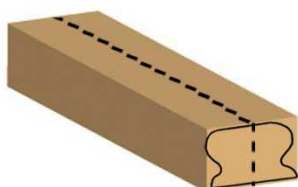
Raw bars **with about 8% moisture content, for the purpose of profile milling**. Packed in cardboard and ready to be machined.

ATTENTION:

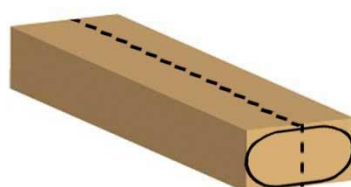
In case a **flat profile** needs to be bent **close to the limit**, the use of diagonally jointed handrails is recommended!



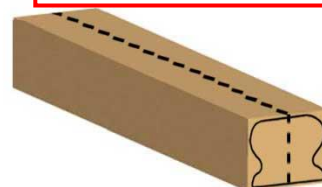
50x50 mm



80x50 mm (*)



100x50 mm (*)



65x65 mm (*)

Can also be supplied **planed (4 sides)** with **groove/plow, chamfered** or **rounded edges** with **radius 3 mm, 5 mm or 10 mm**.



planed 4 sides
with groove/plow



planed 4 sides
with chamfered/rounded
edges



planed 4 sides
with chamfered/rounded
edges and groove/plow

ATTENTION:

In case of a **profound groove/plow** and a **bending radius close to the limit**, the use of diagonally jointed handrails is recommended!

Code	Size (mm) width x height	Bendable to a radius of: (depending on the profile's cross section)	Beech €/m.	Maple Ash Red Oak €/m.	Oak American Cherry €/m.
NEW-50x50	ca. 50x50	1 : 20	✓	✓	✓
NEW-80x50	ca. 80x50	1 : 20	✓	✓	✓
	(*) with profile cut in half	1 : 10			
NEW-100x50	ca. 100x50	1 : 20	✓	✓	✓
	(*) with profile cut in half	1 : 10			
NEW-65x65	ca. 65x65	1 : 20	✓	✓	✓
	(*) with profile cut in half	1 : 10			

5. BENDYWOOD® BENDING HANDRAILS WITH NORMAL JOINTS

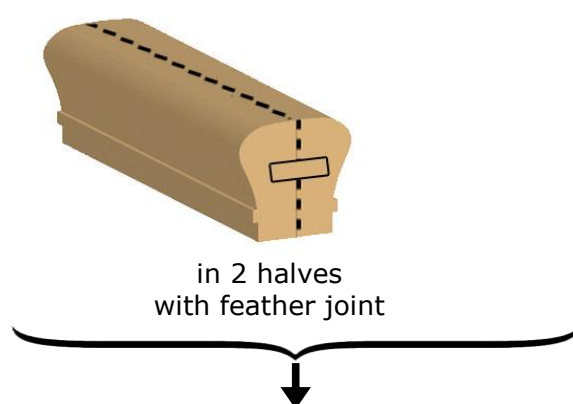


**INSTEAD OF 9 LAYERS OF NORMAL WOOD
ONLY 2 LAYERS OF BENDYWOOD® ARE NEEDED
TO BEND TO A RADIUS OF 60 CM (2 FEET)**

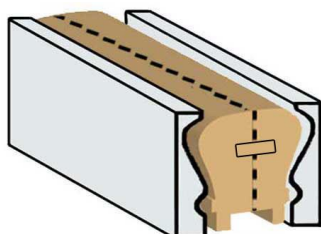
HANDRAIL 6010 - 57x60 mm (2-1/4" x 2-3/8")

Bendable up to a radius of 1 : 20 at about 12% moisture content
i.e. a 6010 handrail in 2 halves up to a radius of 600 mm (2 feet).

Lengths: up to 600 cm (19,7 feet)



Can also be supplied with **groove/plow** and **matching bending moulds**.



Code	Size (mm) width x height	Bendable to a radius of:	Beech	Red Oak	Oak American Cherry	Walnut	American Walnut
			€/m.	€/m.	€/m.	€/m.	€/m.
P-6010 in 2 halves with tongue	57x60 (2-1/4" x 2-3/8")	600 mm (2 feet)	✓	✓	✓	✓	✓

Matching bending mould:	€/m.
in Bendywood®	✓
in softwood	✓

Packed in cardboard tubes, **ready to be bent with about 12% moisture content**.
The handrails should only be unpacked just before you start bending.

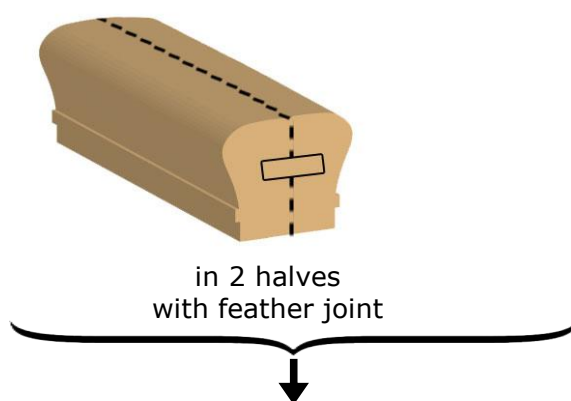


**INSTEAD OF 11 LAYERS OF NORMAL WOOD
ONLY 2 LAYERS OF BENDYWOOD® ARE NEEDED
TO BEND TO A RADIUS OF 60 CM (2 FEET)**

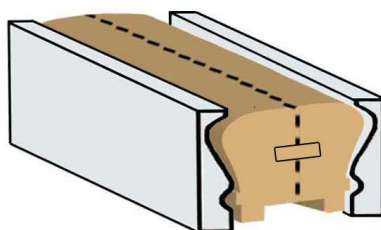
HANDRAIL 6210 - 67x60 mm (2-5/8" x 2-3/8")

Bendable up to a radius of 1 : 20 at about 12% moisture content
i.e. a 6210 handrail in 2 halves up to a radius of 600 mm (2 feet).

Lengths: up to 600 cm (19,7 feet)



Can also be supplied with **groove/plow** and **matching bending moulds**.



Code	Size (mm) width x height	Bendable to a radius of:	Beech	Red Oak	Oak American Cherry	Walnut	American Walnut
			€/m.	€/m.	€/m.	€/m.	€/m.
P-6210 in 2 halves with tongue	67x60 (2-5/8" x 2-3/8")	600 mm (2 feet)	✓	✓	✓	✓	✓

Matching bending mould:	€/m.
in Bendywood®	✓
in softwood	✓

Packed in cardboard tubes, **ready to be bent with about 12% moisture content**.
The handrails should only be unpacked just before you start bending.



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