

Wooden shutter manufacture

wood
chrome steel
natural
human



Advantages of wooden shutters

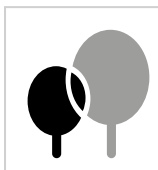
Colour variety

The wooden shutters are impregnated and glazed or varnished at the customer's request. They can also be painted in any colour.



Value retention

Their surface treatment (impregnation followed by glazing or varnishing) protects them against weather for years.



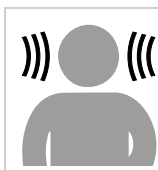
Break-ins

Heavy wooden shutters make break-ins difficult and loud. An additional lock can completely prevent raising the shutter.



Noise

The very good insulation greatly reduces the noise level.



Storms

Robust wooden shutters optimally protect your windows from hail during storms.



Cold

Their very good insulating properties allow the wooden shutters to optimally regulate room temperature in summer and winter, reducing energy costs.



Sustainability

Sustainability requires a responsible approach to people, resources, and energy.

Mensch wooden shutters have a long service life. High-quality, durable materials guarantee longevity and represent our sustainable contribution to environmental protection.



Materials

Nordic pine/spruce

Because pine/spruce is so widespread, its growing conditions and structure vary widely. This primarily affects texture, density, and branch formation.

In our production process, we use only closely ringed Nordic pine/spruce.



Siberian larch

The larch is one of the most valuable conifers and, with favourable soil, can reach an age of 300 years, a height of 45 m, and a diameter of more than 150 cm.

Larches growing in forests or closed stocks are very straight and cylindrical.

For our production process, we only use the Siberian larch, whose wood is very durable, close-ringed, and resistant to fungus and insect infestation.



Individual types of wood

Not all wood is suitable for shutter production (e.g. wood with bowed or twisted growth). Oak slats, for instance, must be at least 9 mm thick.

Please ask us if you have something special in mind.



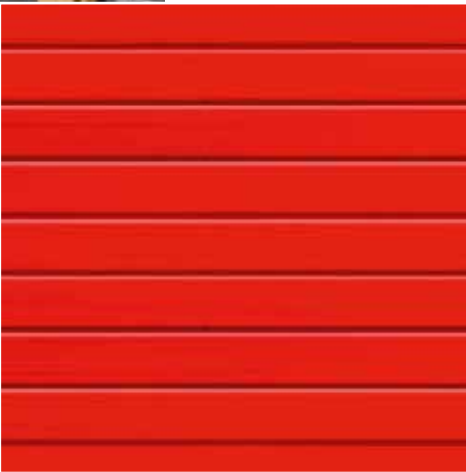


Colours

Shutter surface treatment can be used to achieve any optical improvement and beautification of the facade and windows. Pigmented varnish allows the wood's beauty to remain visible. Opaque varnishing (RAL or NCS) allows any shade to be used.

Lacquered surfaces

With their brilliant colour palettes, lacquered surfaces deliberately accentuate a house's features. A good bath impregnation against fungus, insects or rot is the foundation for subsequent lacquering and is absolutely indispensable. High-quality lacquer colours guarantee exceptional longevity and long-term protection from weather; they also require little maintenance. A follow-up treatment is necessary after about 5 to 15 years, depending on facade orientation, and extends the wooden shutters' life.



Varnished surfaces

Varnished surfaces maintain and emphasise the natural, expressive structure of the finely grained wood. At the same time, the varnish provides the necessary protection from environmental influences, such as UV rays, water and humidity. Transparent bath impregnation is necessary for this treatment, too. Varnish with the greatest possible solvent pigmentation provides the best protection from UV radiation and weather.

Despite what some manufacturers say, this protection cannot be guaranteed with a transparent varnish.



Oiled surfaces

Oiled surfaces (impregnation technique) retain most of the natural characteristics of the wood.

This is achieved by allowing a treatment containing natural oil to soak into the wood without pooling. This method is used exclusively with larch wood. The surface remains open, but is water-resistant and easy to clean and treat.





Profiles

We offer ten different profile rod variants, including closed and open profiles with fixed, unclosable light slits.

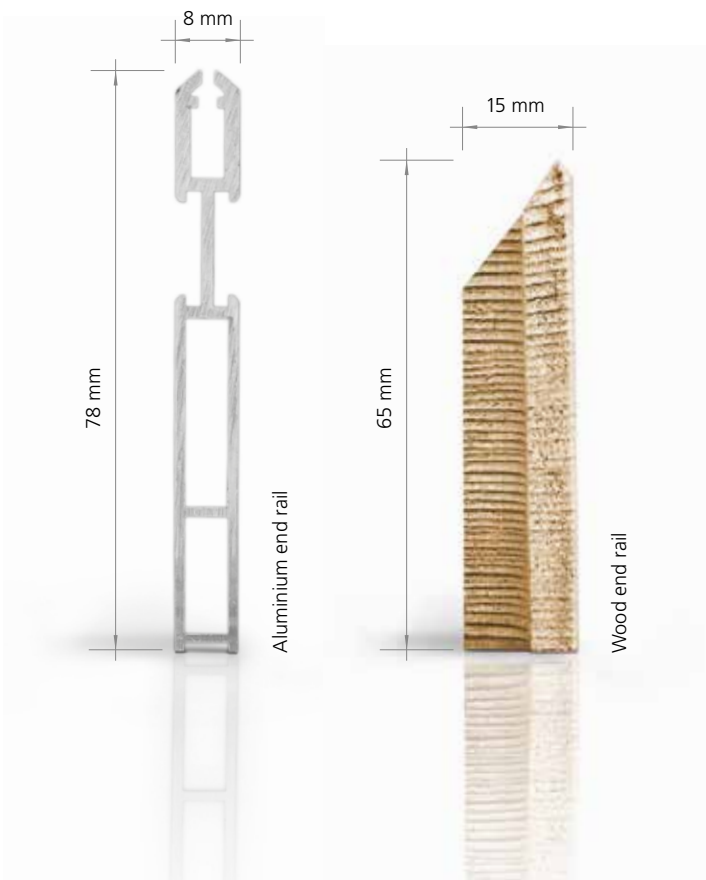
The classic “Figura” and “Ronda” profiles allow milling light slits between the pull-through ribbons. This can be done only in the upper area, over the entire height, or according to a pattern (arched windows).

In general, the thicker the profile rod, the greater the possible dimensions.



End rails

Each profile variant has an end rail (bottom stop) made of wood or aluminium (customer’s preference).





Lumina 6

Prism 6 x 24 mm

Delicate shutters, primarily for small windows and gables.

Shades well without darkening.



Lumina 9

Prism 9 x 24 mm

Medium prism shutter for medium-sized windows.

Shades well without darkening.



Lumina 12

Prism, 12 x 32 mm

Large prism shutter for large windows.

Shades well without darkening.



Fermata

Prism, 6 x 23 mm

Delicate shutters, primarily for small windows and gables.

Darkens, but not pitch-black; slight irregularities due to technical concerns.



Trigona

Dovetail, 9 x 24 mm

Modern dovetail profile for medium-sized windows.

Good darkening, slight irregularities due to technical reasons.



Figura 10/12

Profile 10/12 x 37 mm

The classic wooden shutter profile. It has been in use for decades both in our model and those like it. Smooth inside, profiled outside. Ideal for use in houses that have been registered as landmarks.

Opaque, darkens completely, milled light slits 1/3, 3/3, or according to pattern.



Silencia 24/33

Profile 10 x 24/33 mm

The interlocking edge profiling gives this profile excellent noise protection. This profile is available in two different rod widths.

Opaque, darkens completely.

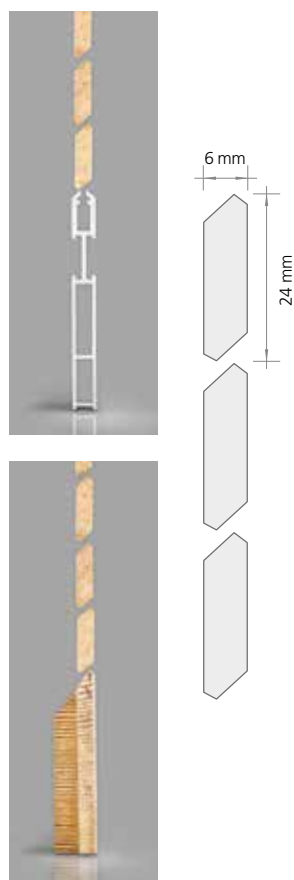


Ronda

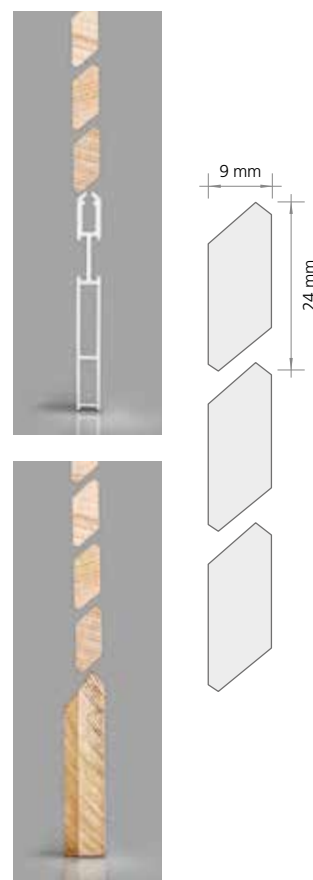
Profile 12 x 37 mm

Shutter with modern design, smooth inside, slightly cambered outside. Popular as a plainer version of the Figura profiles.

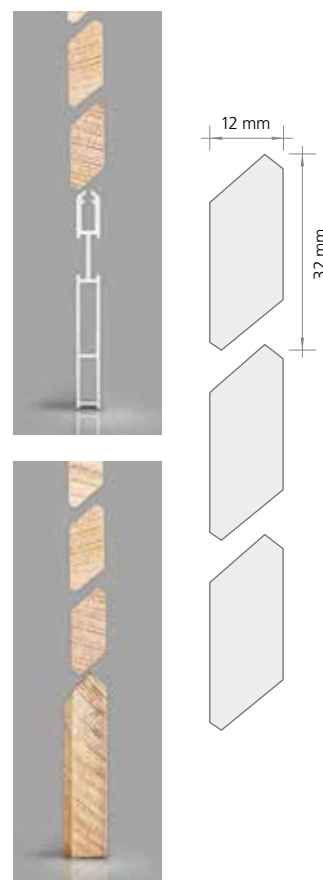
Darkens entirely, 1/3, 3/3 light slits available or according to pattern (arched windows).



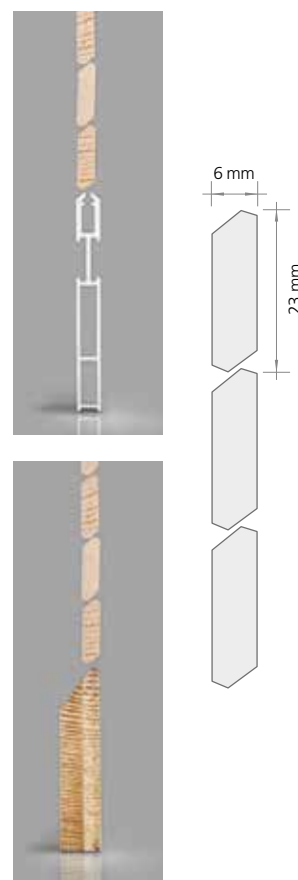
- Fixed light slits
- Max. width 200 cm
- Can be unrolled from either side
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



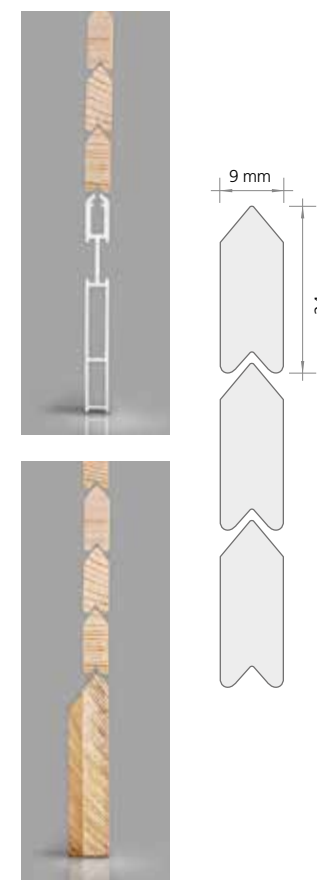
- Fixed light slits
- Max. width 350 cm
- Can be unrolled from either side
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



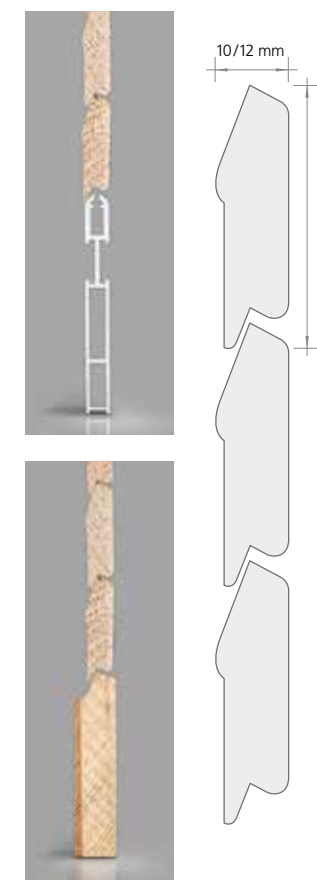
- Fixed light slits
- Max. width 450 cm
- Can be unrolled from either side
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



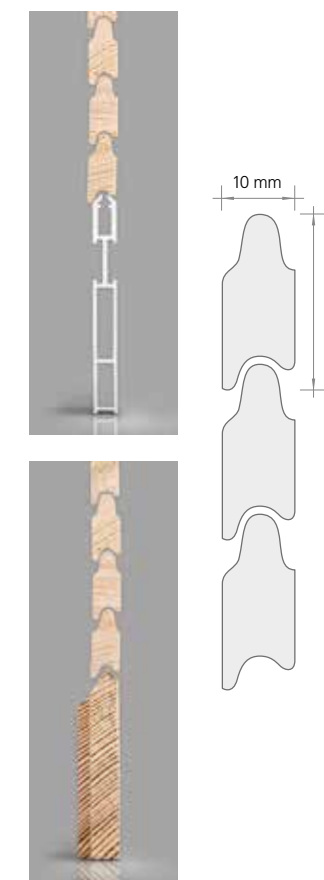
- Closed rods
- Max. width 200 cm
- Can be unrolled from either side
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



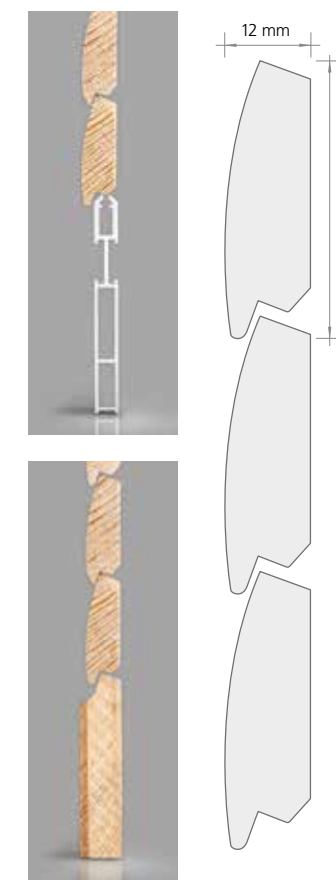
- No light slits
- Max. width 350 cm
- Can be unrolled from either side
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



- Light slit milling possible
- Max. width 400/450 cm
- Can be unrolled from outside
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



- Light slit milling possible
- Max. width 400/450 cm
- Can be unrolled from outside
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



- Light slit milling possible
- Max. width 500 cm
- Can be unrolled from outside
- Complete chrome steel pull-through ribbons, rods fixed with no-rust clasps.



Stand-out section

Individual requirements

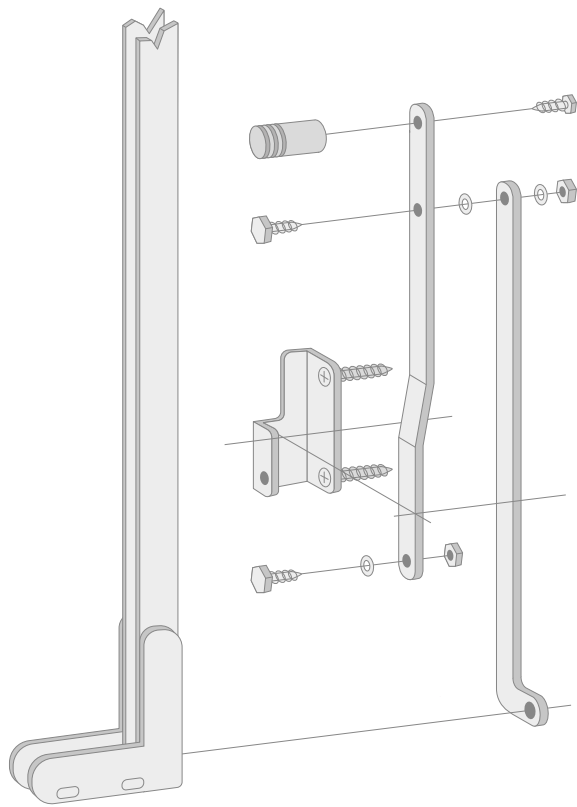
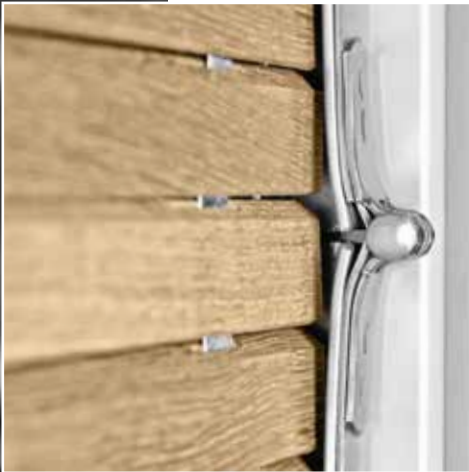
Stand-out sections are the best way to ventilate a room while dimming it. Extending the bottom of the rolled-down shutter allows great ventilation without giving up protection from the sun and prying eyes.

Our standard stand-out sections are manufactured from powder-coated or anodised aluminium. This provides a long-lived product that does not require constant repainting.

Stand-out sections are also available in chrome steel with matching guides.

Stand-out sections of the “Normal” or “Lever” types can be painted according to the RAL or NCS colour system. For both types of stand-out sections, 40 or 60 cm arms are available (painted only upon request).

Shutters with stand-out sections may only be operated after the spacer has been retracted.



Normal stand-out section – chrome steel

Corner brackets



Stay arm



Closing spring/hook



The grip of the cams on the scissor joints to the left and right pushes the shutter away from the facade.

Recommended to a maximum width of two metres.



Lever stand-out section

Corner brackets



Lever stand-out section



Lever guide



The power necessary to push the shutters away from the facade is transferred to the scissor arms on each side through the mechanism on the operating lever. Disadvantage: the mechanism is permanently mounted on the window sill.

Recommended to a maximum width of three metres.





Equipment

Drive

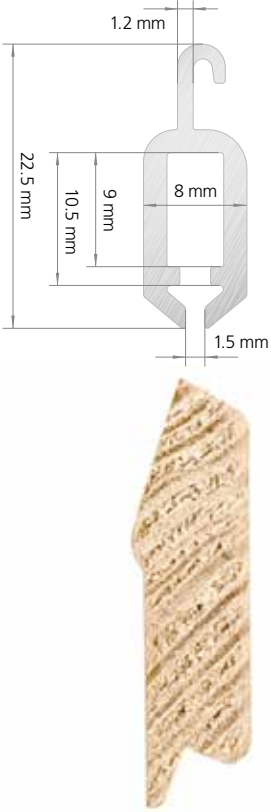
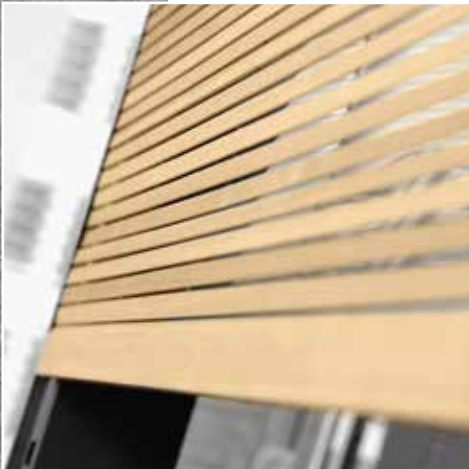
All known drive mechanisms can be used with our wooden shutters. Care must be taken when operating a tape drive with a wooden end rail. Improper or rough operation can damage the end rail.

Roll-up

No more than one wooden shutter per roller tube. Rolling up multiple shutters on a single shaft results in different end positions due to the natural wood characteristics.

Hanging

Our standard procedure is to install an aluminium upper hanging profile on the wooden guard. Any popular hanging device for mini-profiles can be inserted into this profile and used for hanging on the shaft.



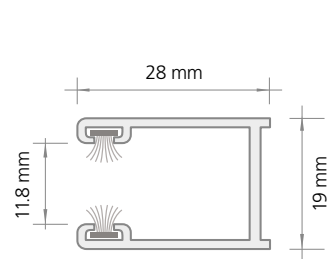
Aluminium or chrome steel guide rails

We also offer filigree chrome steel guides that are accepted for use with landmarked buildings. They are usually colour treated.



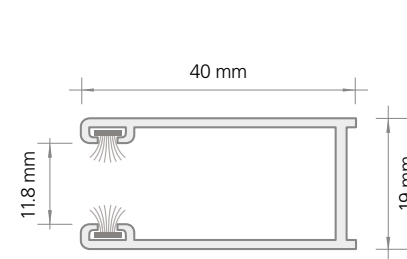
Aluminium

Chrome steel



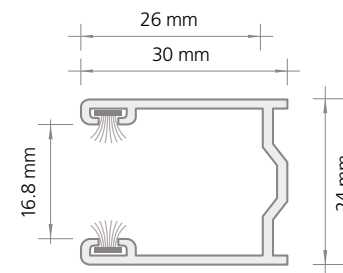
Guide 19/28

- 19 x 28 mm
- Aluminium-anodised
- with brushes on both sides
- Suitable for the following profiles: Lumina 6, Fermata



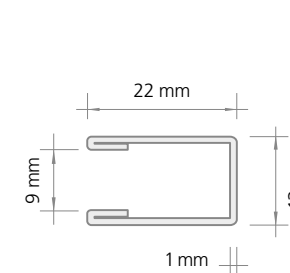
Guide 19/40

- 19 x 40 mm
- Aluminium-anodised
- with brushes on both sides
- Suitable for the following profiles: Lumina 6, Fermata



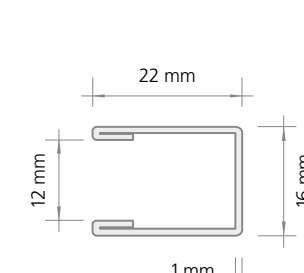
Guide 24/30

- 24 x 30 mm
- Aluminium-anodised
- with brushes on both sides
- Suitable for the following profiles: Figura 12, Ronda, Lumina 12



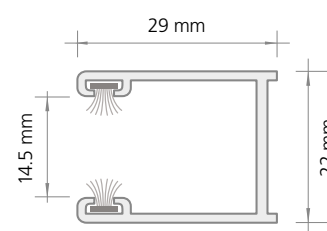
Guide 13/22

- 13 x 22 mm
- Chrome steel
- without inserts
- Suitable for the following profiles: Lumina 6, Fermata



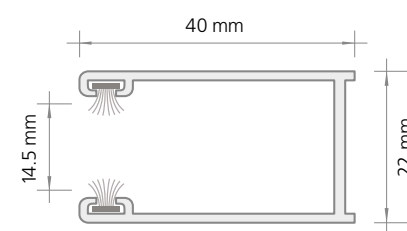
Guide 16/22

- 16 x 22 mm
- Chrome steel
- without inserts
- Suitable for the following profiles: Lumina 9, Trigona, Figura 10



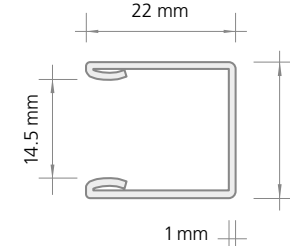
Guide 22/29

- 22 x 29 mm
- Aluminium-anodised
- with brushes on both sides
- Suitable for the following profiles: Lumina 9, Trigona, Silencia 24/33, Figura 10



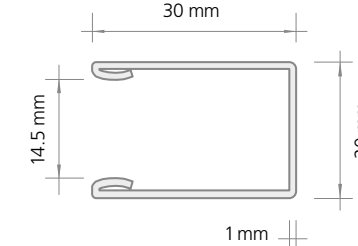
Guide 22/40

- 22 x 40 mm
- Aluminium-anodised
- with brushes on both sides
- Suitable for the following profiles: Lumina 9, Trigona, Silencia 24/33, Figura 10



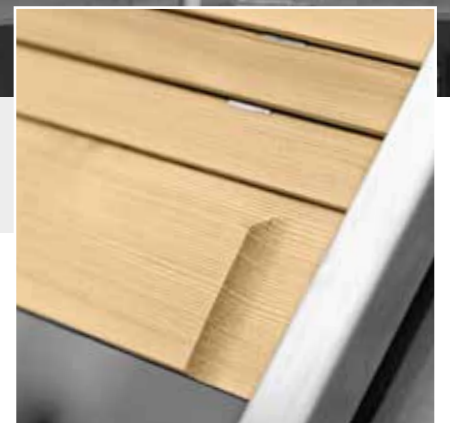
Guide 20/22

- 20 x 22 mm
- Chrome steel
- without inserts
- Suitable for the following profiles: Figura 12, Ronda, Silencia



Guide 20/30

- 20 x 30 mm
- Chrome steel
- without inserts
- Suitable for the following profiles: Figura 12, Ronda, Silencia



Wooden shutter accessories



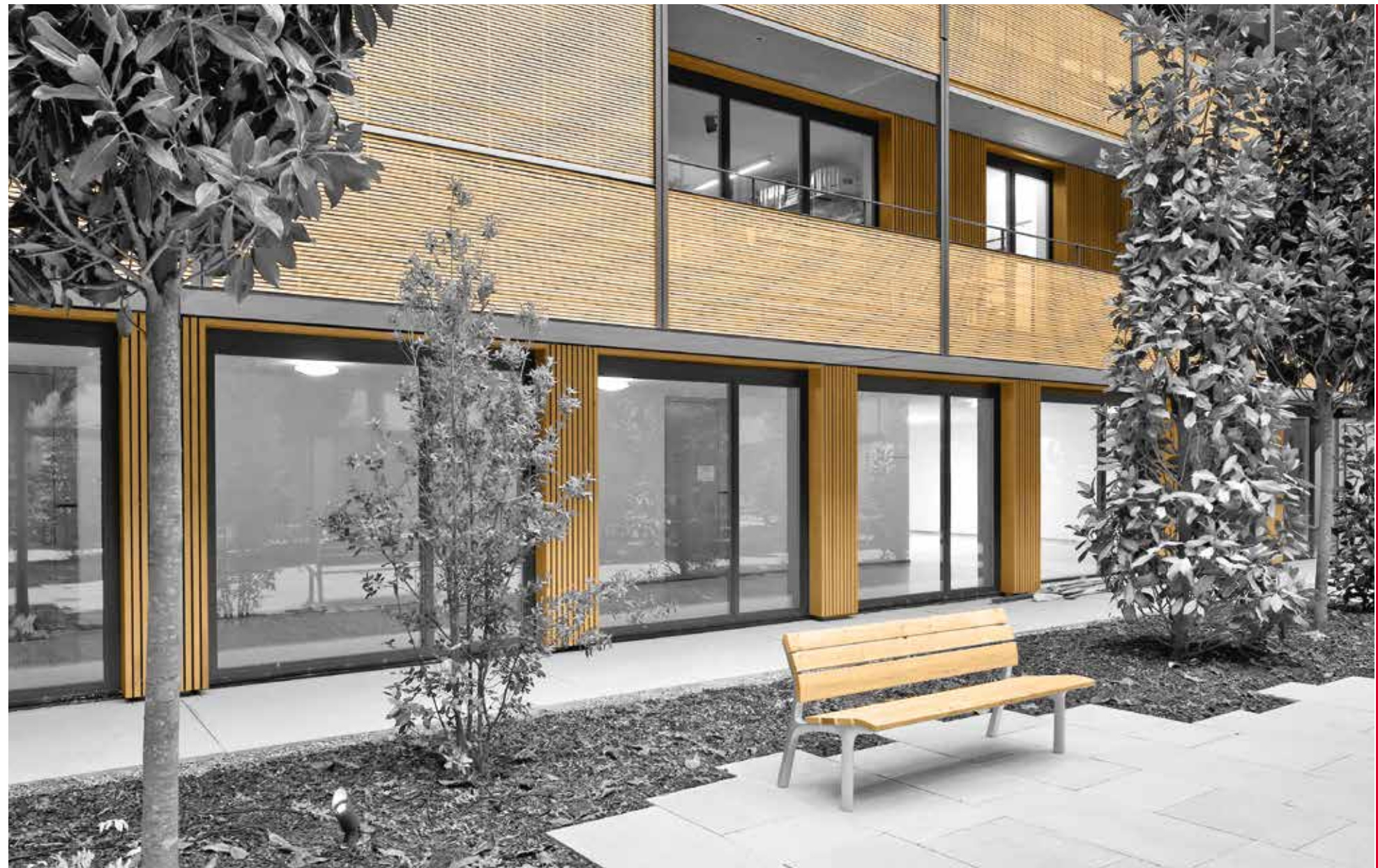
Closing button

- Structural height: 17 mm
- Chrome steel



Weighting iron on wooden end rail

- Cross section: 12 x 5 mm
- Chrome steel



Handle

- Structural height: 12 mm
- Dimensions: 80 x 30 mm
- Chrome steel



Pull chain with handle

- Structural height: 12 mm
- Chrome steel



Lock

- Structural height: 12 mm
- Dimensions: 100 x 40 mm (standard lock)
- Chrome steel
- Other locks available upon request



Bottom rail stop corners on guide stop

- Structural height: 45 mm
- Chrome steel
- The stops on the upper guides are used for designs involving roll-up from the inside, in which the shutter package hangs outside the window and rolls up towards it. Generally there is no outside wall edge forming the top of the window to serve as a stopping point for the bottom rail stop corner mounted on the shutter's end bar.



Rubber stopper

- For reducing noise emissions, rubber stoppers are available for all bottom rail stop corners.



Gallery blinds

- Copper-titanium-zinc sheeting or copper sheeting
- Select from 14 different versions of antique gallery blinds. Many of them are suitable for use with landmarked buildings (see illustrations at www.menschag.ch).

Mensch shutters since 1912



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chrome steel
natural
human

