GRIESSER

**External venetian blinds from Griesser.**
Metalunic® V

## Metalunic® V

Metalunic® V is not something that can be upset easily. Self-supporting construction without vertical connections; lifting and adjustment mechanisms are integrated into the guide rails. The robust mechanism provides a reliable safety locking device. The particularly kink-proof slat profile is at the same time exceptionally elegant and ideal in order to set an architectural highlight.

MINERGIE® MODUL
VSR Sonnenschutz Protection solaire

Metalunic® V is available as a MINERGIE® module in an automated version.

Self-supporting

Built-in system

Front mounted system

No visible vertical connections

Safety locking device

## Product-Highlights

Safety sensing edge

Discover Soft-Closing



## Technology in detail

### Slats

Robust profile with sealing lip. Damaged slats can be replaced individually. Curved and bordered on both sides, 96 mm wide.

### Soft-Closing

With its soft movement, the Comfort Drive permits an exact positioning of the slats as well as exact light regulation.
A slow approach to the final position enables the slats to close virtually without noise.

### Safety sensing edge

The integrated safety sensing edge causes the blind to stop at once whenever the slats come into contact with an object.

### Safety locking device

The burglary-resistant safety locking device functions in every position with the Metalunic® V.

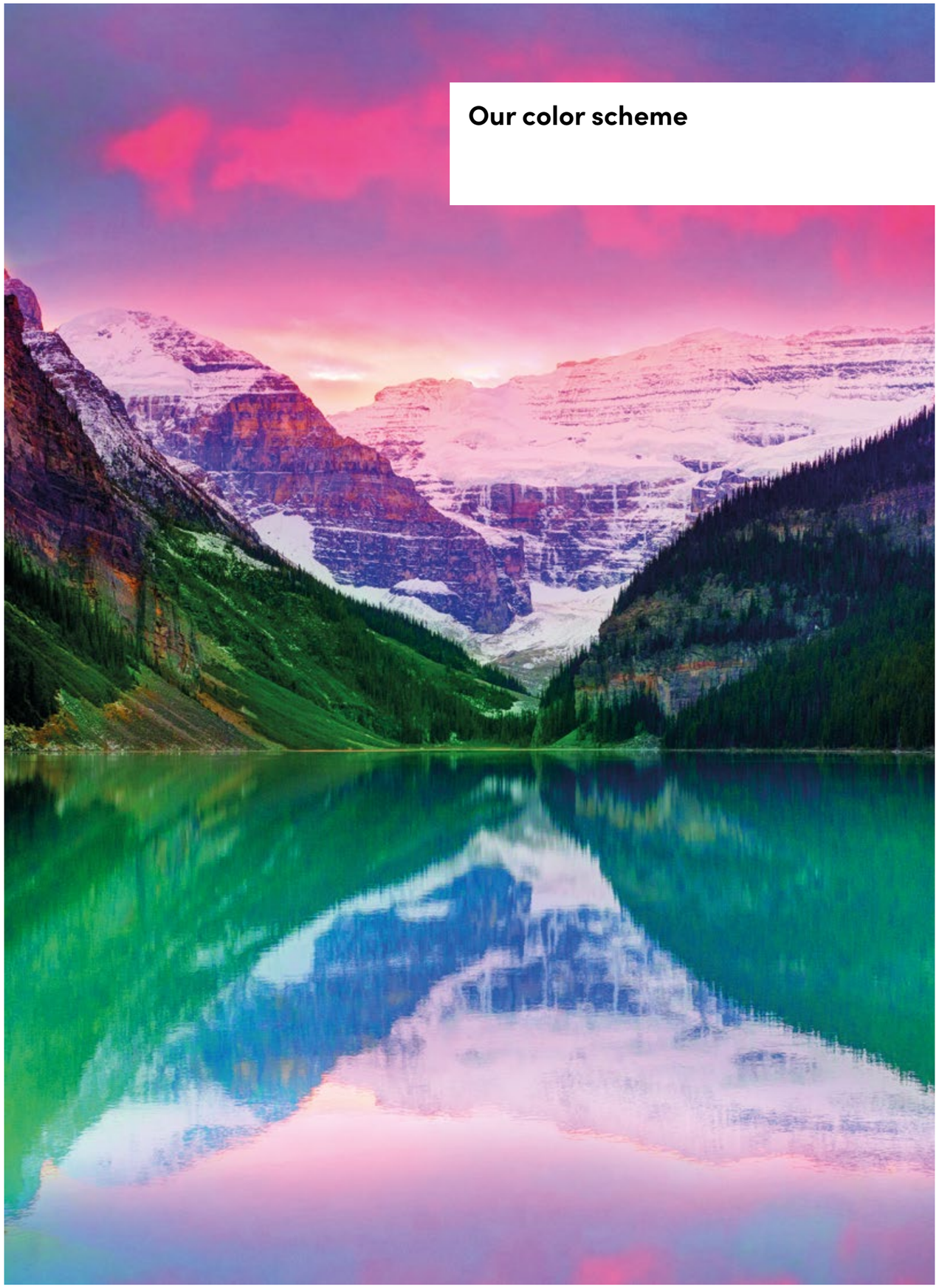
### Guide rails

Made from extruded aluminum, 85 × 45 mm, with lifting and adjustment mechanism and sound-absorbing plastic slides on the pivot arms. Transparently anodized or baked enamel finish.

### Installation system

We offer you the Metalunic® V in two different installation versions. One for the header situation and one for the version with a screen.

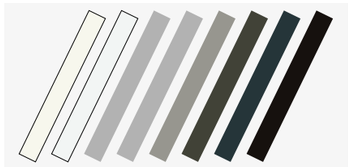
# Our color scheme





## Our colors

### Griesser Bestseller Colors



**Surface structure**
Semi-gloss

RAL 9010 | RAL 9016 | RAL 9006 | VSR 140 - Metallic

RAL 9007/VSR 907 | RAL 7022 | RAL 7016 | RAL 8019

### Premium Colors

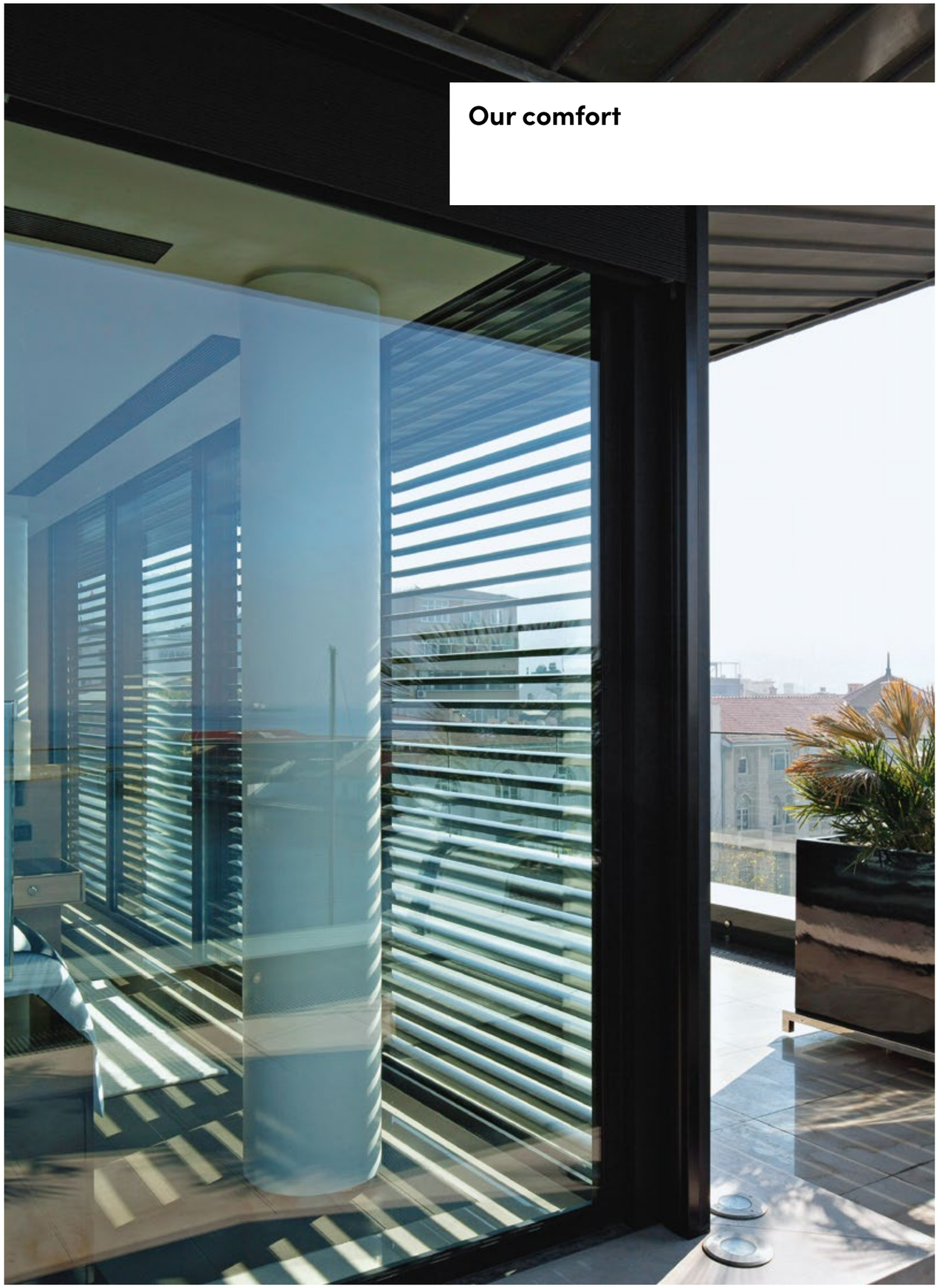
**GriRal Colors**
Our GriRal color collection has an assortment of 50 different RAL shades of color. From sand yellow to standard white, we offer a complete selection of hues for every color family. We're convinced that with our color palette, you will find exactly the right shade of color for your needs.

**GriColors**
The GriColors range includes 100 color shades in four collections, Glass & Stone, Sun & Fire, Water & Moss and Earth & Wood – from cool white and sunny red to natural blue and earthy brown.

**Surface structure**
Semi-gloss

**BiColor**
External venetian blinds get a new color accent: When bright color is dominant outside, a neutral light can optimize the shading function inside. Create your own preferred color combination using our two color collections, GriColors and GriRal (excluding standard colors).
The exterior color shows as a border along the edge of the interior view. Our color recommendations for interior colors: white (VSR 901), light gray (VSR 904) or medium gray (VSR 130).

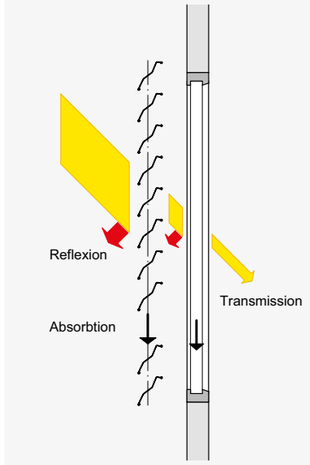
# Our comfort





## Controls

Metalunic® V can be operated through a variety of control systems, from a simple hand-held transmitter to a master control or a building management system, depending on the time, position of the sun and the weather.




## Thermal comfort

The ambient conditions change over the course of the day and during the seasons. With a blinds control device from Griesser, you can adjust your solar shading to match your personal requirements in accordance with changing exterior circumstances. And making these adjustments is so simple that you will still have time to take care of the important things in your life.

An optimal daylight concept makes artificial air conditioning superfluous in the summer. You save energy costs and may well also avoid one or another unwanted summer cold. In the winter, on the other hand, a solar shading system can protect you against cold and allow the scarce rays of the sun into the room, thus saving once again on energy costs, not to mention facial tissues.

## Visual comfort

Having a sense of well-being also means being able to decide for oneself, particularly within one's own four walls, just how much one wants to reveal to the outside world. With Metalunic® V, you are sheltered from uninvited glances from the outside world.

BiLine hand-held transmitter

## BiLine - Remote control

The control system Griesser BiLine provides contemporary design and high functional security through routing technology. Wireless systems have the advantage of being installed quickly, not only in new buildings but also when refitting an automated system in existing buildings.

Centero Home for smartphone and tablet operation

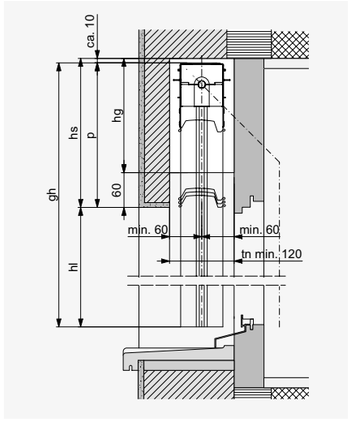
## KNX / gBUS home and building automation

The Griesser KNX and gBUS solar shading controls are integrated master controls with extensive functionalities for any building of any size. With proven functions such as solar tracking and horizon limitation, it meets the highest expectations for solar shading control.

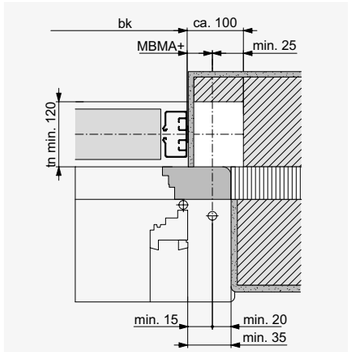
KNX / gBUS controls per iPad

# Technology in detail

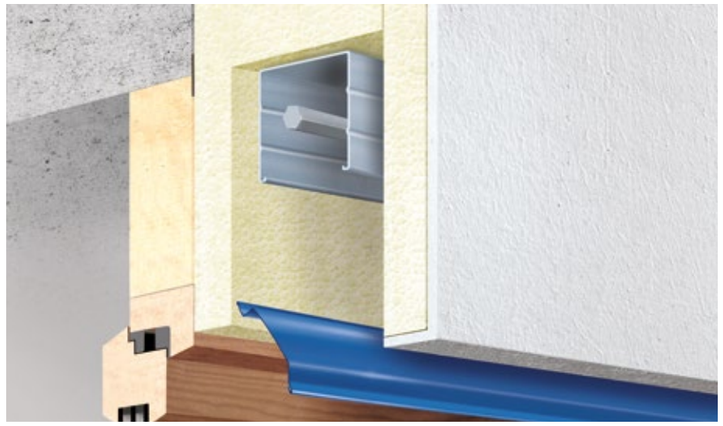
## Vertical section: Example of header




## Top section: for crank drive




## Built-in system



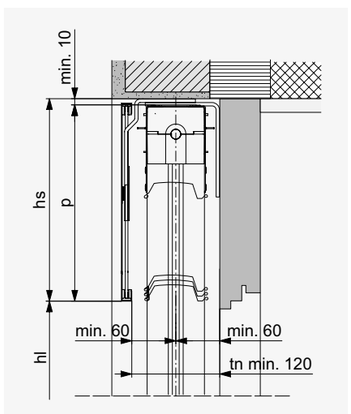
**Top section for crank drive**
With recess (white) for gearbox (not necessary for motor drive). Depending on the angle of the gearbox output, tn min. should be increased by 5 - 10 mm in this area.
MBMA+ = Dimension from rear edge of guide rails to centre of drive.

## Depth of niche

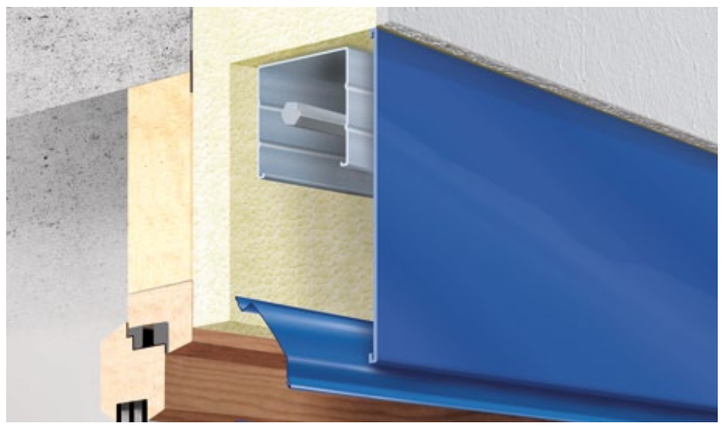
| | tn |
|---|---|
| Metalunic® V | min. 120* |

* + possible addition for protruding weatherboard or doorknobs. A dimensional tolerance of ±5 mm is observed for the header height.

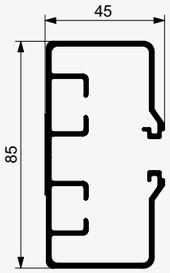
## Vertical section: Example with cover



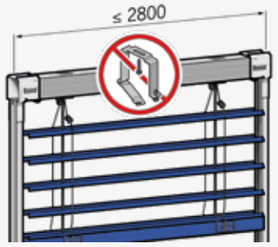

## Built-in system with cover



## Lateral Guide rails




## The self-supporting




The self-supporting blind design protects the insulation in the header and reduces service costs. The system needs no fastening for the housing for widths of up to 2800 mm – the insulation remains intact and noise transmission is reduced.

## Limit dimensions

### Single blind

| Operation | Width min. (bk) | Width max. (bk) | Height min. (hl) | Height max. (hl) | Surface max. [m²] |
|---|---|---|---|---|---|
| Crank drive | 500 | 2800 | 440 | 4000 | 6.5 |
| Motor drive | 700 | | | | 8 |

### Connected systems

| Operation | Width max. (bk) | Height max. (hl) | Blinds max. | Blinds per system | Surface max. [m²] |
|---|---|---|---|---|---|
| Crank drive | 8400 | 4000 | 3 | 2 | 5 |
| | | | | 3 | 4 |
| Motor drive | | 4000 | 2 | 2 | 4.8 |

**Parallel switching (only with Elero Comfort Drive)**
Several drives can be switched in parallel with limitation to expand the surfaces.

**Key**
bk = Width of construction
hl = Opening height
p = Height of package
hs = Header height (p + min. 10)
hg = Height of gearbox recess (hs -60)
tn = Depth of niche
All dimensions in mm.

### Header dimensions

| Opening height (hl) | Header height (hs) |
|---|---|
| | Metalunic® V |
| 400–1000 | 270 |
| 1001–1250 | 280 |
| 1251–1500 | 310 |
| 1501–1750 | 340 |
| 1751–2000 | 365 |
| 2001–2250 | 390 |
| 2251–2500 | 415 |
| 2501–2750 | 445 |
| 2751–3000 | 470 |
| 3001–3250 | 500 |
| 3251–3500 | 525 |
| 3501–3750 | 550 |
| 3751–4000 | 575 |

Header dimensions are approximate values which may exhibit negative or positive deviations depending on the technical circumstances.

**Your partner:**

Griesser solar shading – Quality since 1882.
www.griessergroup.com

MIX
Paper from responsible sources
FSC® C018740

03.2023 V1 – Subject to change without prior notice