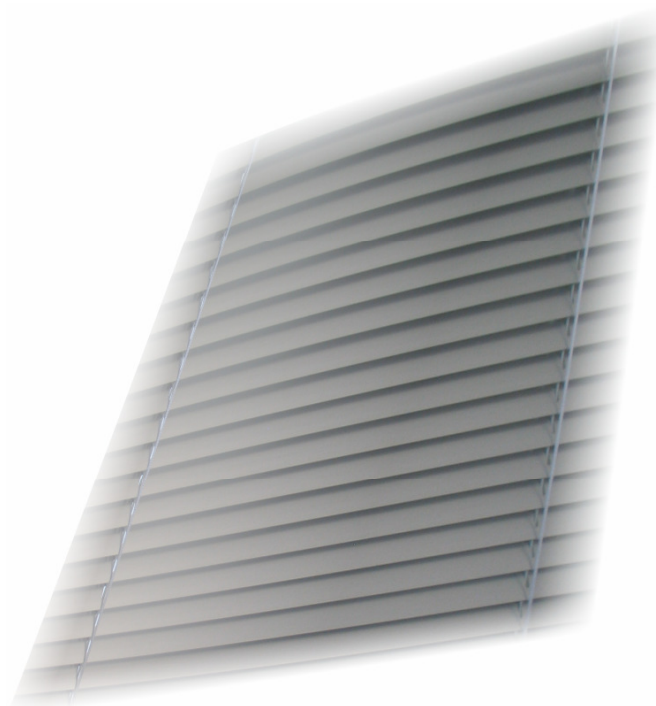




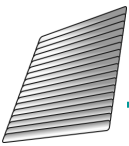
# **R&R Sonnenschutztechnik UV Protection Blinds within Double-Glazing Cavity**

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## **Technical Specifications**



## **ROPACO Type W**



### Upper Cabinet

extruded, H-shaped aluminium profile 26,8x42 mm. Double used: Housing the drive unit and the clamping system for the slats. This form does not have a light gap between the upper rail and the top slat.

Continuous indexing shaft and winding stem Ø16 mm, consisting of anodized aluminium. Bearing made of temperature-resistant synthetic with good gliding properties for the support of the indexing stem and the lateral guide of the guiding cord.

### Slats

15 mm broad, ca. 0,23 mm thick, arced concave/convex, made of specially alloyed aluminium, varnished noncorrosively with lightfast lacquer via special process, including angle varnishing. Slat package being relieved by means of mechanical limit stop via drive shaft. The slats turn in a range limited by limit stop.

### Guiding Cord

12x18,5 mm, UV-resistant, consisting of 100% high-strength crocheted polyester thread, thermally fixed, with double bridges.

### Lower Rail

extruded aluminium hollow profile with 18x11 mm. Special synthetic slider protect possible coatings of the glass panes. Synthetic end pins for lateral sealing of the profiles.

### Spacer

consistent of extruded aluminium hollow profile 27x6,5 mm with lateral bar to protect the coating of the glass. Surfaces E6/C0. By default, the top and the low spacer are delivered without guiding ridge.

### Middle profile

extruded aluminium profile 44x21, is used for glass panes wider than 940 mm.

### End caps

consisting of water vapour- and gas diffusion proof synthetic; system measures 27 mm to connect the upper rail with the spacers.

### Integrated circuit board

for the power transmission to the drive mechanism in between the glass panes. The circuit board is integrated within an end pin of the upper rail. Connection of the outer supply goes via plug contacts on the circuit board. The diffusion resistant circuit board is integrated into the edge compound of the insulated glass pane.

### Drive

a high-precision motor integrated in the upper rail with a four stage planetary drive. The motor is driven by direct current 24 volt and has a nominal power of 6 watt.

Controlled via a 2-pole cable (cable cross-section according to cable length and loss of power).

R&R Sonnenschutz offers power supplies and control systems that are especially aligned to **ROPACO - Type W**.

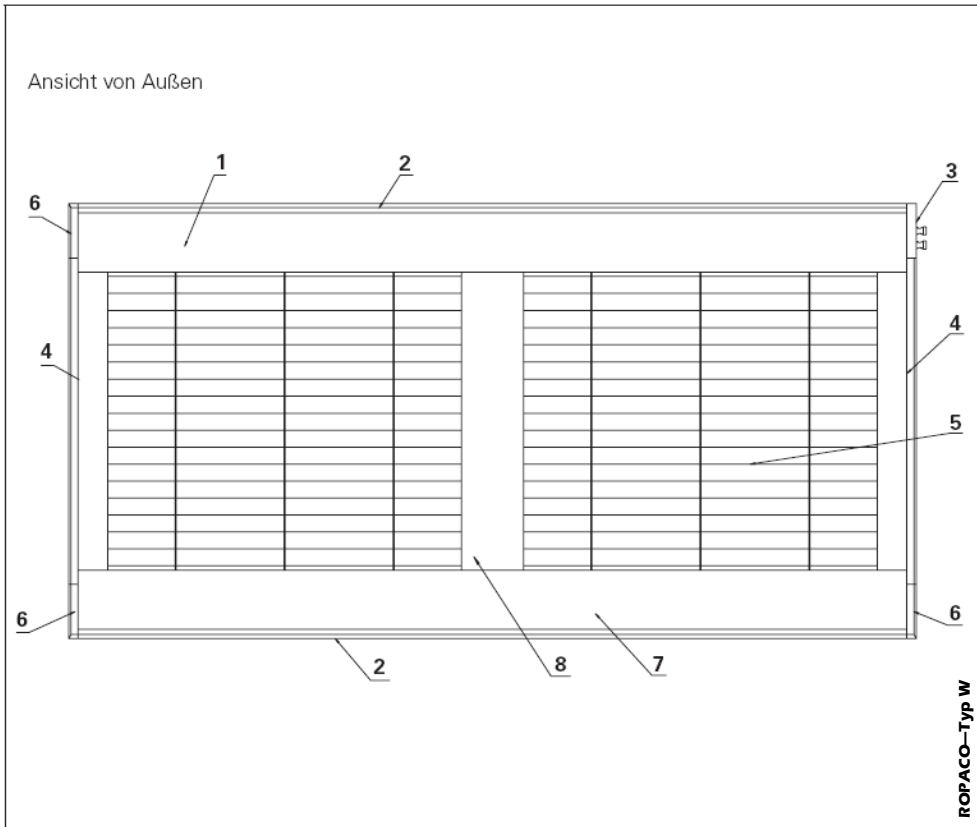
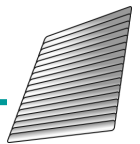
### Operation

the slat hangings are turned by actuating the key in the desired direction. The key is provided with directional arrows. On reaching the final position of the slats the end switches that are integrated in the upper rail make the drive to stop automatically.

The **ROPACO - Type W** blind is designed for the installation on the roof. Installation positions out of the horizontal from 0° to 90°. The maximum installation limit values depend on the installation position.

### Surface treatment

the upper rail and the lower rail are anodized in E6/C0.



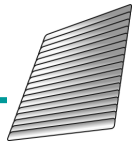
- 1 Upper rail
- 2 Spacer without guiding bar
- 3 End pin with board
- 4 Spacer with guiding bar
- 5 Slats
- 6 Corner plate
- 7 Lower rail
- 8 Middle profile  
(glass width from 940mm on)

**Reflection rate of the available slat colours**

Slat colour	$r_{dh, vis}$	$r_{diffus, vis}$	$r_{dd, vis}$	$r_{dh, sol}$	$r_{diffus, sol}$	$r_{dd, sol}$
2901: silver	0,68	0,52	0,16	0,71	0,53	0,18
2902: white	0,81	0,77	0,04	0,70	0,66	0,04
2903: matt white	0,74	0,72	0,02	0,64	0,62	0,02
2905: concave side high-reflective, convex side retro-reflective (RAL 7030)	0,93	0,17	0,76	0,87	0,14	0,73
2906: concave side silver, convex side retro-reflective (RAL 7030)	0,66	0,46	0,20	0,67	0,46	0,21

**Caption:**

- $r_{dh, vis}$  the direct-hemispherically averaged light reflectance factor
- $r_{diffus, vis}$  the diffuse light reflectance factor
- $r_{dd, vis}$  the direct-direct light reflectance factor or the adjusted-adjusted light reflectance factor
- $r_{dh, sol}$  the direct-hemispherically averaged radiation reflectance factor or the direct-hemispherically averaged solar reflectance factor
- $r_{diffus, sol}$  the diffuse radiation reflectance factor
- $r_{dd, sol}$  the direct-direct radiation reflectance factor or the adjusted-adjusted radiation reflectance factor



## Limit measurements (Glass dimensions)

Minimum Width	500 mm	Maximum Width	1500 mm
Minimum Height	400 mm	Maximum Height	1500 mm
Minimum Area	0,2 m <sup>2</sup>	Maximum Face	2,25 m <sup>2</sup>

From a pane width of 940mm onwards the hangings must be parted in the center.

