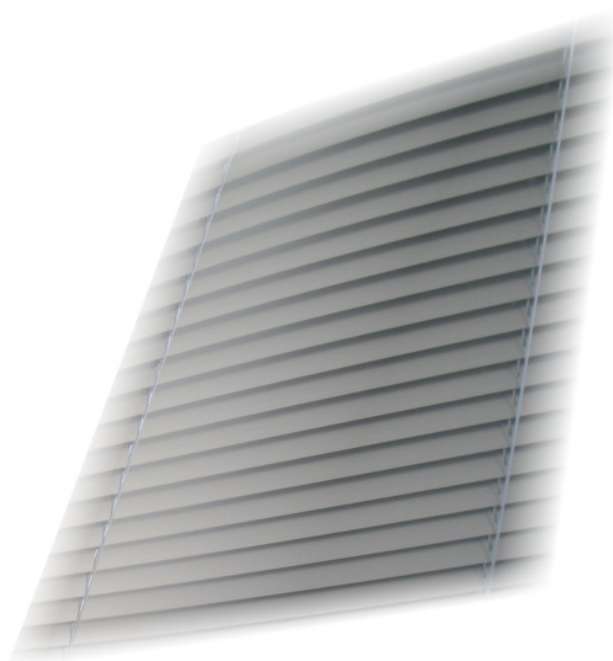


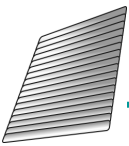


R&R Sonnenschutztechnik UV Protection Blinds within Double-Glazing Cavity

Technical Specifications



ROPACO Type E

**Upper Cabinet**

extruded, H-shaped aluminium profile 28x42mm, respectively 26,8x42 mm. 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 is made of temperature-resistant synthetic with good gliding properties to support the indexing– and the winding stem and for the compulsory guide of the winding 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 hangings shut down with slats turned outwards and start up with slats turned inwards.

Guiding Cord

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

Winding Cord

Ø1,0 mm, UV-resistant, consisting of 100% high-strength plaited polyester thread, with 100% polyester thread intermediate layer, thermally fixed.

Lower Rail

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

Spacer

consisting of extruded aluminium hollow profile 29x6,5 mm, 27x6,5 mm or 32x6,5 mm with lateral bar to protect the coatings of the glass panes. Surfaces E6/C0. By default, the top and the low spacer are delivered without guiding ridge.

End pins

consisting of water vapour– and gas diffusion proof synthetic; system measures 27 mm, 29 mm or 32 mm to connect the upper rail with the spacers.

Integrated circuit board

for 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 with a 4 stage planetary drive integrated in the upper rail. The motor is driven by direct current 24 volt and has a nominal power of 6 watt. Control via a 2-pole cable (cable cross-section according to cable length and loss of power).

Seen from inside, the cable connection is on the left side. The control must support the holding forces of the motor while switched off. (motor brake by means of bypassing the winding).

R&R Sonnenschutztechnik offers specially aligned controls and regulated power supply. The warranty expires if controls that are not approved by R&R are used.

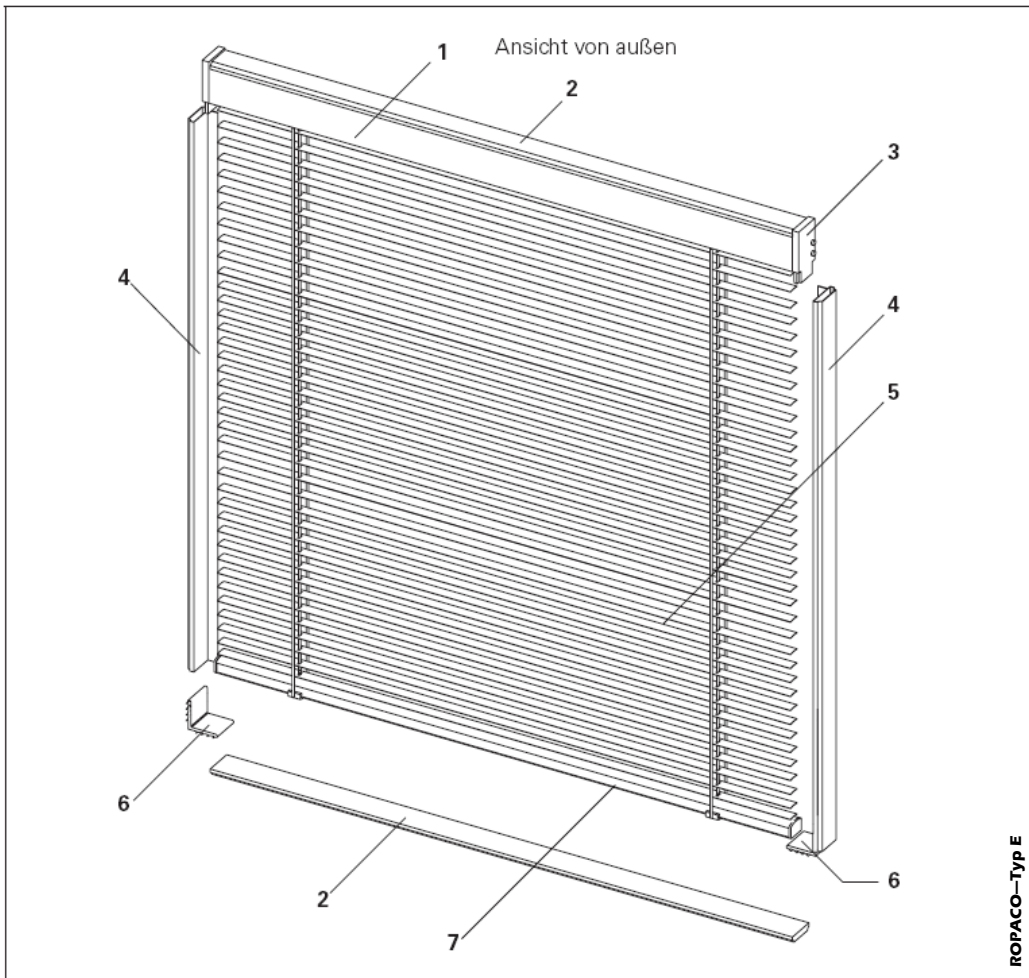
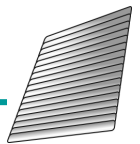
Operation

the hangings are lifted and lowered by actuating the key in the desired direction.

The slats are turned by slightly pressing the key into the desired direction. The key is provided with directional arrows. On reaching the upper or lower final position the end switches that are integrated in the upper rail make the drive stop automatically. The **ROPACO - Type E** blind is designed for vertical installation in fronts and is only to be operated in a vertical direction.

Surface treatment

upper and lower rail are anodized in E6/C0. The **ROPACO - Type E** blind is tested for fogging latitude according to DIN EN 1279-6.



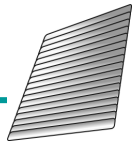
- 1 Upper rail
- 2 Spacer without guiding bar
- 3 End pin with board
- 4 Spacer with guiding bar
- 5 Slats
- 6 Corner plate
- 7 Lower rail

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	3000 mm
Minimum Height	250 mm	Maximum Height	3000 mm
Minimum Area	0,13 m ²	Maximum Area	7,5 m ²

From a pane height of 1500 mm onwards the width of the glass has to be at least 750 mm!
 The limit measurements refer to the mere blind kit. Tighter limits can result from calculating the glass statics depending on result of installation.

