

**sundrapé®**  
**Counter pull roller blind 5090**

**Applications/possibilities**

Large sized indoor sight and sun protection system for application below horizontal, oblique or vertical glass roofs and glass façades in private and business areas as well as in public buildings. Roller blind drapery from bottom to top or from top to bottom between lateral guiding rails.

**Shapes/dimensions**

Lateral, straight guiding rails.  
Roller blind spring shaft with round covering.  
Tensioned roller blind drapery between the rails.  
System width minimum 700 mm  
System width maximum 1800 mm, depending on drapery.  
System length up to maximum 4500 mm.

**Drapery qualities**

sundrapé® collection for special shading systems 5090.  
Decorative and blackout fabrics up to 300 g/m<sup>2</sup>, sewn roller blind drapery with double-stitched traction loop.  
Traverse seams possible when roller blind width larger than running width of fabric.

**Rails**

Solid rail profile, one track, extruded as per EN 12020-2, length: 7000 mm.  
Material EN AW-6060/AlMgSi0.5 F22 E6/EV1, naturally anodized or white powder coated RAL 9016.  
Other coatings on request.  
Dimensions: width 32 mm, height: 26 mm.  
Guiding channels for conveyor belt.

**Rail gear and counter bearing**

Stable plastic box made of high tensile, durable polyacetale.  
Ball-bearing driving axle and deflection roller, driving axle made of special, torsion-free CuZn-alloy.  
Drive wheel and deflection roller made of high tensile and resistant-to-wear plastic.  
Screws and axles protected against corrosion, colours: white or light grey.  
Measurements box of rail gear: width 50 mm, length 80 mm.  
Measurements box of counter bearing: width 37 mm, length 57 mm.

**Conveyor belt**

sundrapé® conveyor belt with a special profile and special steel inlay, black, especially resistant-to-wear due to two-sided special coating,  
extremely low extension rate for an exact final positioning.  
Safe and form-fit power transmission, low friction and high flexibility.  
Very smooth, regular run, low noise, UV-proof

**Drive runner**

Plastic glider and safety clip, white or light grey  
Joining sheet metal made of corrosion free special steel.  
Stable, massive pull rod adapter made of high tensile, durable polyacetale.  
Pull rod adapter freely movable in traction tube.

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### **Traction tube**

*30 mm aluminium tube, extruded as per EN 12020-2, length: 6000 mm, special inner profile, inserted into curtain loop.*

### **Roller blind spring shaft with covering**

*Round cover profile, diameter: 80 mm, with cable channel, white end caps made of polyacetale with pre-drilled holes for mounting purpose.*

*Roller blind spring shaft mounted below drive unit. Dimensions of drive unit plus roller blind spring shaft: 138 mm*

*Spring mechanism tensions the drapery and guarantees a regular winding of the fabric.*

*Cover profile E6/EV1, naturally anodized or white powder coated RAL 9016.*

*Other coatings on request.*

### **Drapery supports**

*Anodized aluminium tubes with a 13 mm diameter, fixed at rails at determined positions in regular distances.*

*Necessary for blinds longer than 2000 mm, depending on mounting position.*

### **Mounting**

*Wall and niche mounting with quick locking bolt made of galvanized sheet steel.*

*Ceiling mounting with special aluminium mounting angles, equipped with locking bolt resp. carrier for roller blind spring shaft.*

*Mounting angles naturally anodized E6/EV1 or white powder coated RAL 9016. Other coatings on request.*

### **Electric operation**

*Monophase- alternating voltage synchronous motors 230 V/50 Hz with reduction gear, running speed 130 mm/second.*

*Power: 45 W as tandem drive*

*End positions adjustable at pilot motor from outside, available also for 110 V/60 Hz.*

*Dimensions with rail gear width 60 x 50 mm x height 338 mm.*

*Motor positions: vertical to rail aperture, simple fixing onto rail gear with bayonet locking, locked.*

*Pilot motor either right or left, free of choice, colours white or light grey as rail colours.*

*Accessories: motor coupling piece, safety clip.*

*Protection: IP 40, only for dry rooms.*

*Certificates: VDE/EMV/CE*

### **Operation/control elements**

*Single operation with pushbutton/locking switch or radio remote control.*

*Group control with: pushbutton/locking switch or radio remote control with group control unit and/or overriding central control unit and/or brightness control.*

*Indirectly apt for BUS control systems.*