

Wintergarden shading system 5066

Applications/possibilities

large sized sight and sun protection for horizontal, sloped or arched glass roofs or glass fronts in private and commercial living and business areas as well as in public buildings and halls;
especially for wintergarden or atrium

Shapes/dimensions/stack position

straight or manifold curved rail
special shapes on request
minimum bending radius of 350 mm
one-part or two-part curtains
stack position: preferably on the top
motor position: single or tandem motor preferably on the top, double tandem motor at the bottom
width of blind up to 3000 mm
rail length, manual operation up to 6000 mm
rail length, electric operation up to 14000 mm
rails of more than 7000 mm with rail connector
distance of telescopic rods appr. 400 mm

Drapery qualities

sundrape® collection special shading systems 5066
any kind of decorative draperies and curtains up to 300 g/m²
sewn curtains with loops for telescopic rods
limit of curtains with rods: 10 kg

Rail

two opposite 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
special channel with rail aperture for sundrape® runners
manifold curving with minimum radius of 350 mm
for rails longer than 7000 mm: solid and torsion-free aluminium rail connector

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

sundrape® 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
solid sundrape® traverse joint, 100 % special steel, length: 182 mm
overlap up to 180 mm in case of two-part curtain

Runner

twin axle runner with galvanized steel axle and hook for Ø 13 mm telescopic rods
wheels with special surface, low noise
one axle runner for Ø 16 mm telescopic rods

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Telescopic rods

telescopic rods Ø 13 mm for blinds up to 2500 mm width, with spring and inserted into curtain loop, easy mounting with take up and casing
telescopic rods Ø 16 mm for blinds of 2500 mm to 3000 mm width, with single axle runners and spring, mounting through rail gear port

Mounting

wall and niche mounting with quick locking bolt made of galvanized sheet steel
ceiling mounting with adjustable mounting angle made of sheet steel
quick locking bolt mounted at moving part of angle
adjusting distance of angle: either 85 - 145 mm or 145 - 230 mm
mounting angles in white or galvanized

Manual operation

simple fixing onto rail gear by means of bayonet locking, locked
chain port adjustable to sloped angles
fixing either left or right side of rail
connecting shaft 16 mm with coupling between the rail gears
ball chain operation, length of chain 2000, 3000 or 4000 mm or on request
ball Ø 7 mm, colour: white
cover white or light grey as rail colours

Electric operation

monophase AC voltage synchronous motors
230 V/50 Hz with reduction gear
running speed 130 mm/second or as a speed version 190 mm/second
power: 30 W, 45 W and 65 W single or as tandem drive
large blinds are equipped with four drives as double tandem blind
end positions adjustable from outside, in case of tandem drive only at pilot motor

all shapes also available in speed version and in 110 V/60 Hz

dimensions with rail gear width 60 x 50 mm x height 310/338/370 mm

motors fixed vertically to rail port, covered by curtain and cover profile
simple fixing onto rail gear with bayonet locking, locked

position in case of tandem drive on the same side of the rail, either on right or left side, or in case of double tandem on both sides, right and left

colours white or light grey as rail colours

accessories: motor coupling piece, fixing clamp

protection: IP 40, only for dry rooms

certificates: VDE/EMV/CE

Operation elements/ 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

indirect application for BUS system control