

sundrapé®
Round shading system 5080

Applications/possibilities

Horizontal, circular sight and sun protection for application in commercial living and business areas as well as in public and office buildings.
Specially apt for circular or multi-angled oriels and round roofs as well as below dome skylights.

Shapes/dimensions/stack position

Outer circle: Circular bent rail
Inner circle: inner ring determined with a 100 mm diameter
Models with inner rail beginning with a minimum 350 mm radius on request.

Quarter circle and semicircle models:
Rail radius minimum 1000 mm
Rail radius up to 2000 mm without partition
Rail radius maximum 3000 mm, rail in two parts
Larger radiusses and diverging shapes on request

Full circle blind:
Realization with two semicircles of 180° each, circular shape.
Blind diameter up to 4000 mm with two rails.
Maximum blind diameter 6000 mm with two divided rails. Larger diametres on request.
Extra large blinds with additional inner rail beginning with a diameter of 700 mm on request, motor with special phasing.

One-part and two-part draperies
Stack position left or right
Draperies for semicircle blinds always in two parts.
Drapery section width outer edge: 500 – 700 mm

Motor position left or right
Semicircle blinds with a diameter larger than 4000 mm to be operated with a tandem motor.
Semicircle blinds with a diameter up to 4000 mm also available with manual operation.

Drapery qualities

Selection of sundrapé® collection for special shading systems 5080, decorative as well as blackout draperies with a weight up to 300 g/m², made-to-measure draperies with sewn loops for insertion of support bars, fixed at inner ring with insertion hooks
Drapery overlap: 50 mm, starting from rail center line.

Rail

Solid one-track rail profile, extruded aluminium EN 12020-2, length: 7000 mm
Material: EN AW-6060/AlMgSi0,5F22
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 cell with rail aperture for sundrapé® runners

Rail gear and counter bearing

Dimensionally stable plastic casing made of special polyacetale for heavy-duty service
Ball beared drive axle and deflection roller
Drive axle made of special, torsion free CuZn-coating
Drive wheel and deflection roller made of high-tensile and resistant-to-wear plastic
Screws and axles with corrosion prevention
Colours white or light grey
Dimensions casing of rail gear:
Width 50 mm, length 80 mm
Dimensions casing counter bearing:
Width 37 mm, length 57 mm

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Transportation tape

sundrapé® transportation belt with steel inlay and special profile, black especially resistant to wear due to a two-side special coating very limited extension for a precise setting of the end position safe and form-fit power transmission, low friction and high flexibility, very easy and regular run, low-noise, uv-proof

Drive runner

Plastic glider and safety clip white or light grey sundrapé® traverse joint, special steel, long version for one-part draperies short version for two-part draperies, center closing draperies without overlap

Runner

Runner with turnable eyelet for draperies up to 300 g/m², galvanized steel axle for a very easy run Runner wheels with special surface, low-noise, colours white or light grey, one runner per support rod for drapery

Support rods

Aluminium tubes with a 15 mm diameter, made of AlMgSi0,5F22, E6/EV1 naturally anodized, tube closed at both extremities with stoppers, inserted into drapery loops, fixed with clamping hook at runner

Mounting

Ceiling mounting with quick locking bolt made of galvanized sheet steel Wall mounting with adjustable, stable mounting angle, made of sheet steel Quick locking bolt fixed at extension piece, extension piece dimensions 85 -145 mm or 145 -30 mm Mounting angles white or galvanized.

Manual operation

Simple fixing onto rail gear by means of bayonet lock, locked, position either right or left, ball chain operation, length of chain: 1500 mm or 2500 mm, other chain lengths on request Diameter of ball 4,5 mm Colours white or light grey, as rail gear

Electric drive

Monophase alternating current synchronous motors 230 V/50Hz with reduction gear, running speed 130 mm/s or as a high-speed version with 190 mm/s Capacity: 30 W or 45 W as single motor or as a tandem motor End positions externally adjustable, in case of tandem motor only at pilot motor, all shapes models also available in a high-speed version as well as in a 110V/60Hz version Dimensions with rail gear B60 x T50 x H310/338/370 mm Motors show vertically downwards, simple connecting to rail gear by means of bayonet lock, locked Position left or right, free of choice, in case of a tandem motor right and left colours white or light grey as rail gear Accessories: motor coupling, clamping device Protection: IP40, only for dry rooms Certificates: VDE/EMV/CE

Operation/control elements

Single control with touch/pushbutton or radio remote control

Group control with: Touch/pushbutton or radio remote control with group control unit and/or overriding central control and/or brightness control

Indirectly apt for BUS control systems