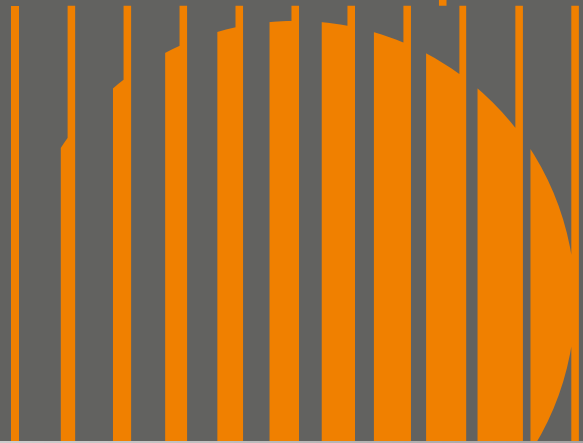


sundrape®



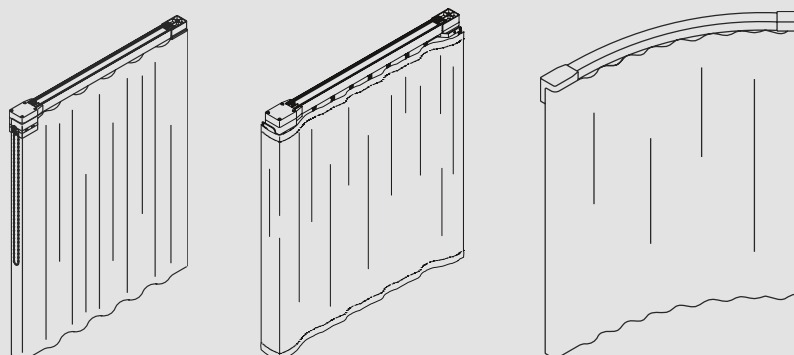
Special Shading Solutions



OTHER TYPES AND SIZES ON REQUEST

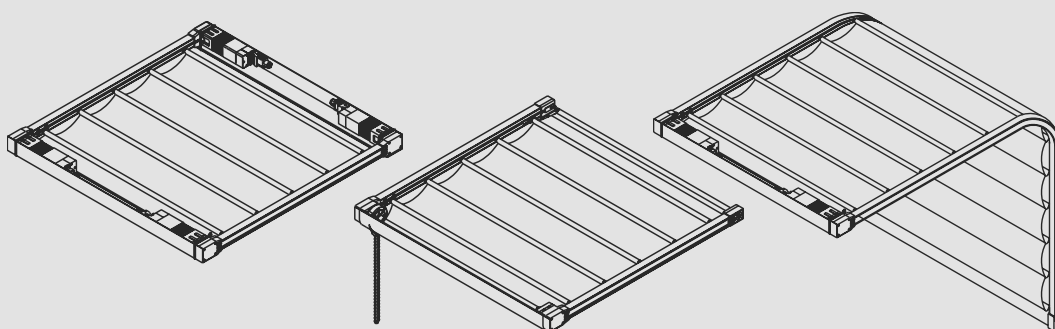
Curtain Track 5060

from page 5 –



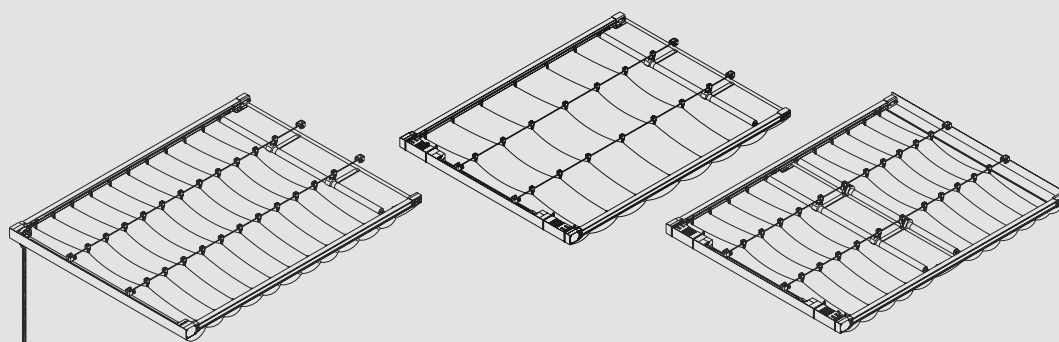
Wintergarden Shading System 5066

from page 15 –



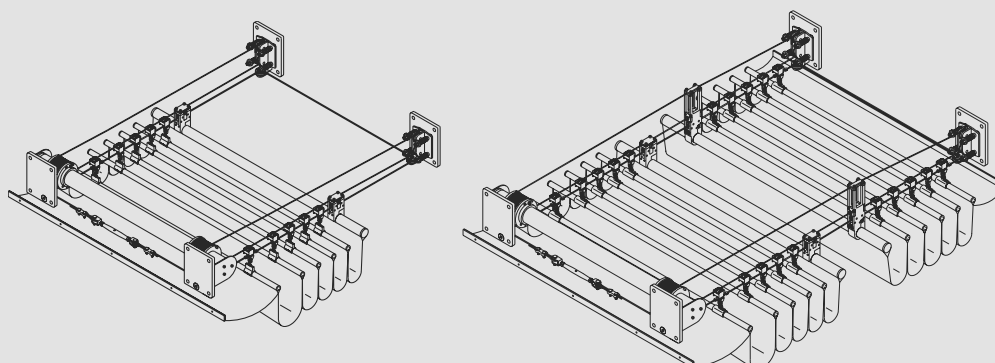
Plafond System 5070

from page 23 –



Rope guided skylight System 5072

from page 31 –

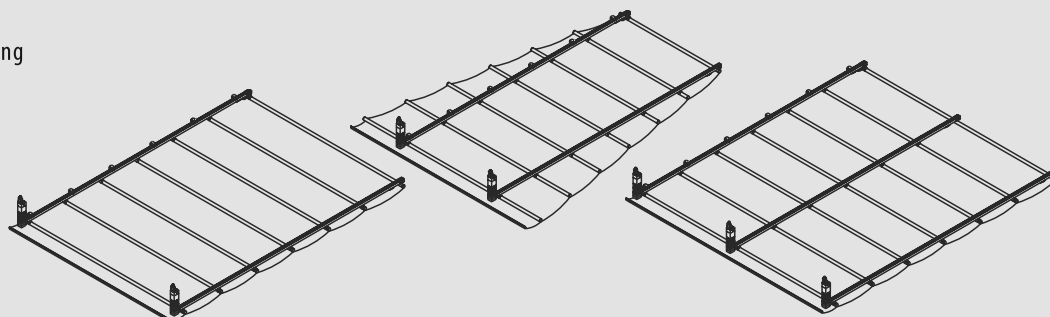


OTHER TYPES AND SIZES ON REQUEST

Plafond Large area Shading

System 5077

from page 37 –

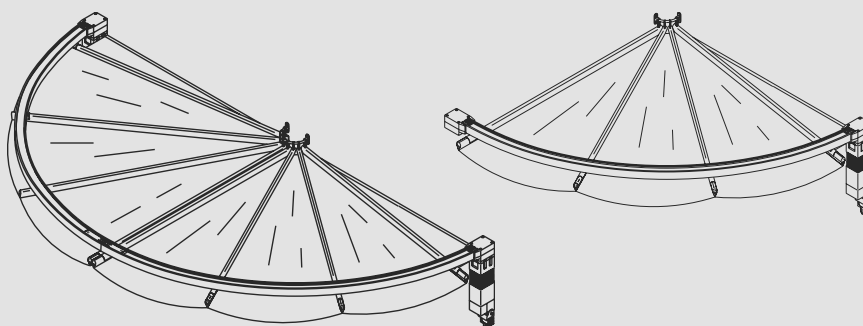


Round Roof Shading

System 5080

from page 43 –

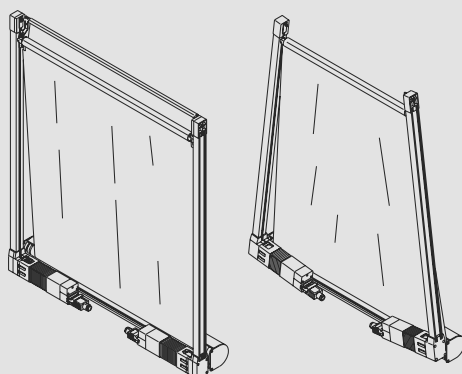
Price on request



Counter-Pull Roller Blind

System 5090

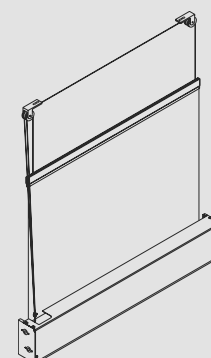
from page 45 –



Counter Pull Roller Blind

System 8900

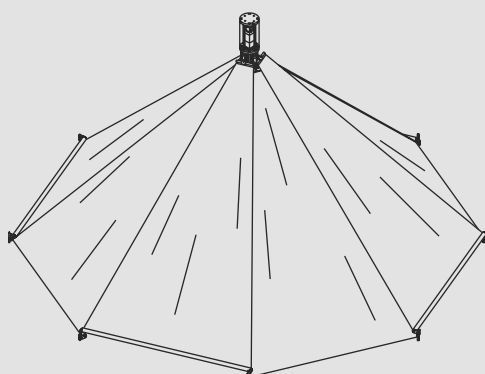
from page 55 –



Pyramid Shading System 9000

from page 59 –

Price on request



OTHER TYPES AND SIZES ON REQUEST

Panel 360

from page 59

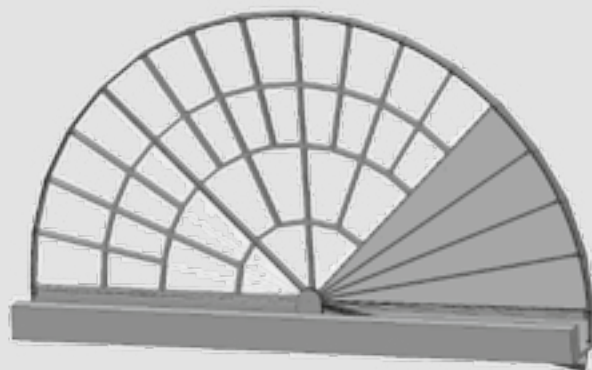
Skyglide

from page 61



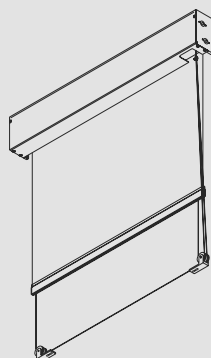
Colorado

from page 63



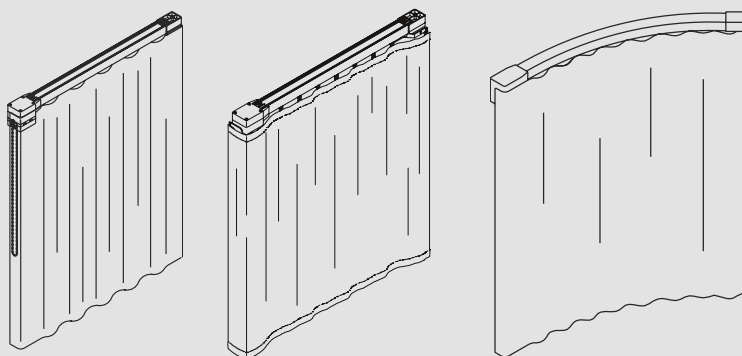
Roller Blind XL

from page 65



CURTAIN TRACK SYSTEMS 5060/ 5065 ELECTRIC AND MANUAL CONTROL

Toothed belt drive unit
Type: straight or curved
Bending radius: minimal 350 mm
Width: maximal. 21000 mm
Drapery: for one, two or multiple parts draw



Applications and possibilities

Large sized sight and sun protection for residential areas as well as business and public areas, especially in authorities, museums, universities, schools, hotels with meeting rooms, office buildings and even for smaller theatre scenes. Comfortable, long lasting and solid curtain rail for any kind of drapery, decorations and heavy blackout curtains.

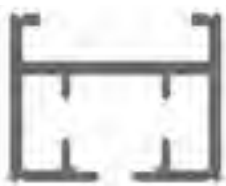


Description

Aluminium single track rail profile for light and heavy curtain textiles. Available in straight shape as well as curved several times with a minimum curving radius of 350 mm. The rail can be curved as required, according to any kind of shape of the facade. Motorization through electric motors for rail length up to 21 m, depending on number of curves, as well as for fabric weight up to 90 kg. The motors are fixed horizontally either one motor at the left side or at the right side or, in case of large curtains, at both sides as a tandem drive at the extremities of the rail, covered by the curtain. The curtains are available in one part, two parts with center close position or multipart versions.

Rail profile

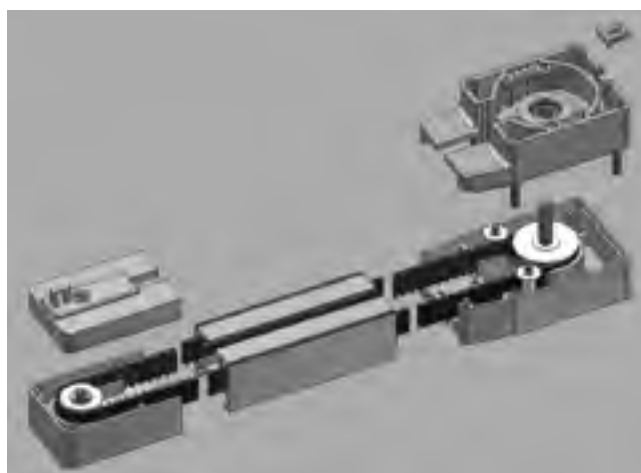
The solid rail's dimensions are only 26 x 32 mm and therefore is a tasteful means of interior design (see ill., scale 1:1). The rail surface is anodized in aluminium color or RAL 9016 standard white powder coated. Other colours also available on request. Guiding channels for conveyor belt and runners care for a very smooth and regular run.



Drive components

The transport of the curtains is done by a twoside coated conveyor belt, running very exactly in the guiding channels of the rail. This toothed belt with a specially determined

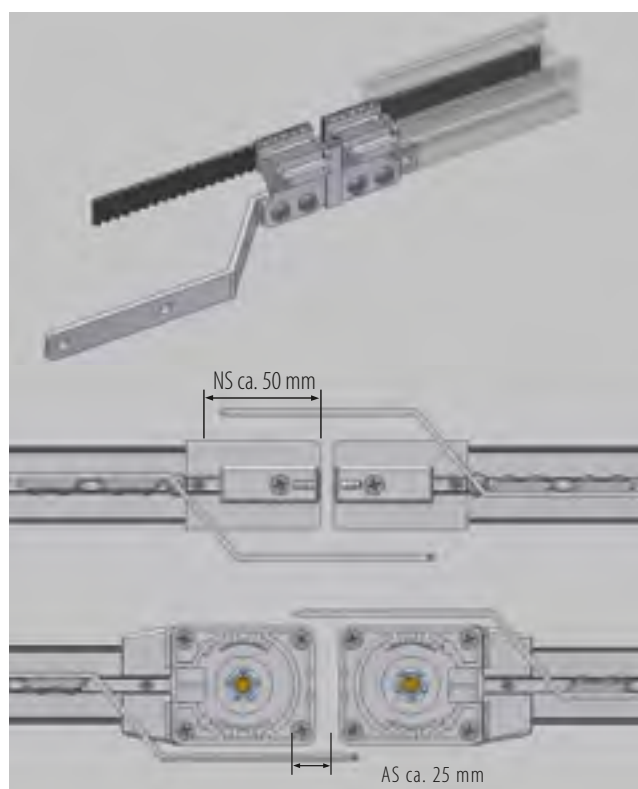
toothing is very solid, resistant to wear and of limited extensibility. The driver wheel and the deflection roller of the conveyor gear are made of high-tensile plastic and are resistant to wear and run on ball-bearings in boxes of impact-resistant polyacetale.



All visible plastic parts are available in white or light grey. The boxes are fitted with eyelets for the fixing of the curtain ends.

The traverse joint is made of special stainless steel and in case of curtains in two parts, it offers an overlap of 180 mm. The material is very solid and therefore also very well apt for heavy curtains. Drive runner and safety clip are also made of high-tensile plastic.

Overlapping of tile curtain tracks is up to 50 mm at the non-driving side resp. 25 mm at the driving side.



Runner

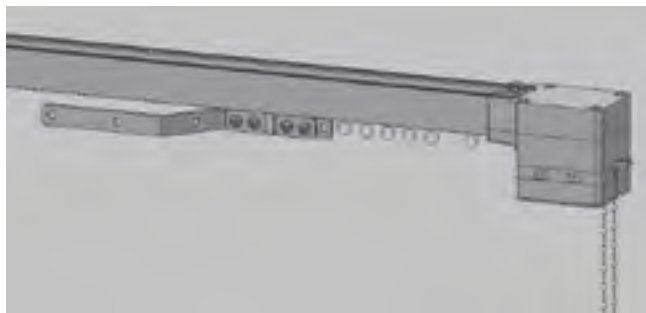
sundrape® curtain track rails are equipped according to the special requirements with different runners or with glider. The runners dispose of wheels with an optimized surface so that they guarantee a smooth, easy and silent run. The standard runner for draperies up to 300 g/m² disposes of a turnable eyelet and therefore offers a wide range of applications.



The heavy-weight runner with rigid eye is very well suitable for heavy draperies up to 500 g/m². All runners dispose of steel axles. 10 runners are inserted per running metre of curtain track rail. For straight rails up to 7 m length and 300 g/m² drapery weight the sundrape® plastic glider instead of the runner is a very reasonable alternative.

Manual operation with ball chain

Curtains with a length up to 7 m and a weight up to 20 kg can be operated manually by ball chain. Different lengths of the continuous ball chain are available. The manual operation unit can be fixed either at the left side or at the right side of the rail and is available in the same colours as all other plastic parts.



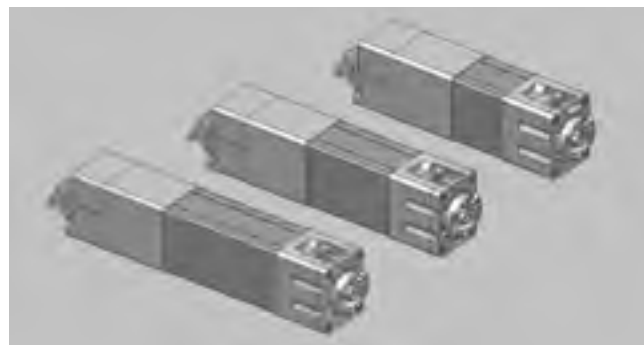
The manual operation device is fixed with a simple turn and lock into the rail gear.

Technical data for electric drives

Nominal voltage	230 V	230 V	230 V	110 V	110 V	110 V
Nominal power	30 W	45 W	65 W	30 W	45 W	65 W
Nominal current	0,13 A	0,20 A	0,28 A	0,26 A	0,40 A	0,59 A
Frequency	50 Hz	50 Hz	50 Hz	60 Hz	60 Hz	60 Hz
Mode	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%
Sense of rotation	right/left	right/left	right/left	right/left	right/left	right/left

Electric drives

The electric drives are 230V/50Hz monophase synchronous motors with step down gear. Running speed is 130 mm/s or as a speed version 190 mm/s. Three power levels are available: 30 W, 45 W and 65 W as single motor or as tandem motors.



All models are also available in a speed version and in 110 V/60 Hz voltage. End positions can be adjusted through wheels off-motor, in case of tandem drive only at pilot drive. Dimensions including rail gear: width 60 x depth 50 x height 310/338/370 mm.

Motor position is horizontally downwards, covered by curtain. The motors can be fixed very simply with just one turn onto the rail gear via bayonet and the motor is locked. Position either at the right side of the rail or at the left side of the rail, in case of tandem motors at both sides.

Colours: white or light grey as rail gear.
Accessories: motor coupling, safety locking device for motor coupling, fixing device for drapery on motor. Protective system: IP30, only for dry rooms, certificates: VDE/EMV/CE

Operation elements and control systems

Single operation with touch/switch control or radio remote control.

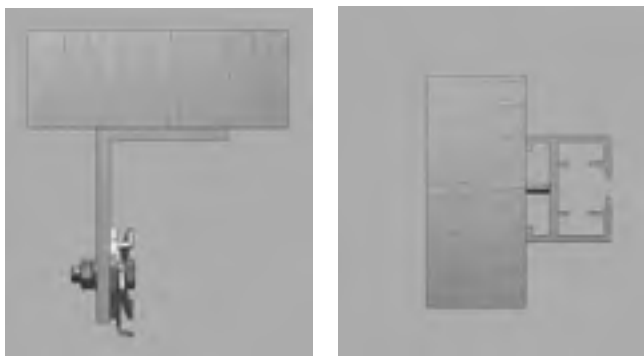
Group control with: touch/switch control or radio remote control with group control unit and/or overriding central control unit and/or automated light control, apt for control with BUS-systems.



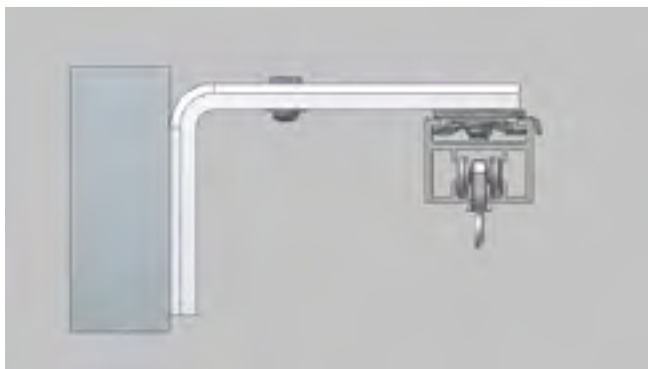
Mounting

sundrape® curtain track rails can be mounted on the ceiling very quickly and easily by means of a mounting locking bolt. The optimal distance between the locking bolts should be 600 mm. Just insert the rail into the fixed mounting locking bolt, turn the clamping pin and the rail is fixed. The bolting through the rail with tapping screws is also possible. The screw head should not stick out.

Ceiling mounting:

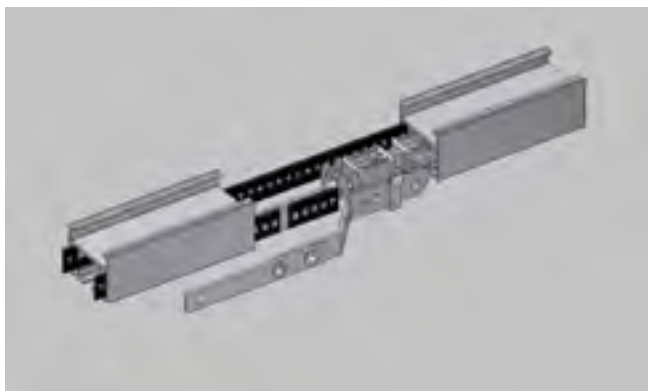


Wall mounting with adjustable angle:
varying from 85 up to 145 mm or 145 up to 230 mm



Advice

On request, e. g. for hotels, straight electric curtain tracks up to 7000 mm can also be equipped with safety drive runner and perforated tape drive.



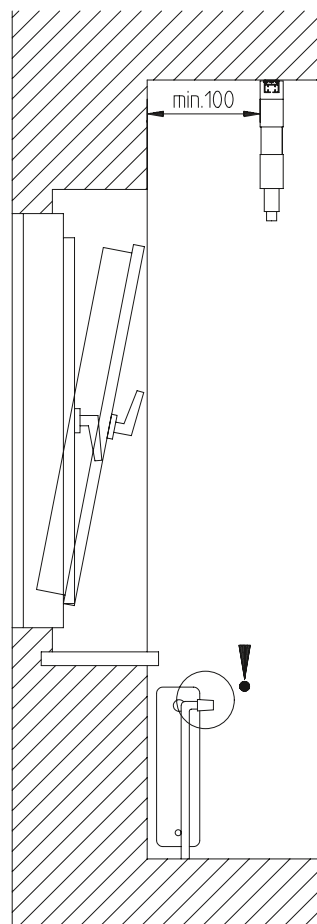
Measuring

In case of straight rails, just take the clear measurements of window or of the façade. In case of bent rails, please take the width across the corners plus the angles and the desired bending radii. The minimum bending radius is 350 mm.

Caution: The width of the curtain track rail to be ordered is calculated with the clear width minus 30 mm, especially in case of niche mounting between two walls. The height is to be calculated from the upper edge of the rail until lower edge of the curtain. We recommend a distance of 30 mm to the floor.

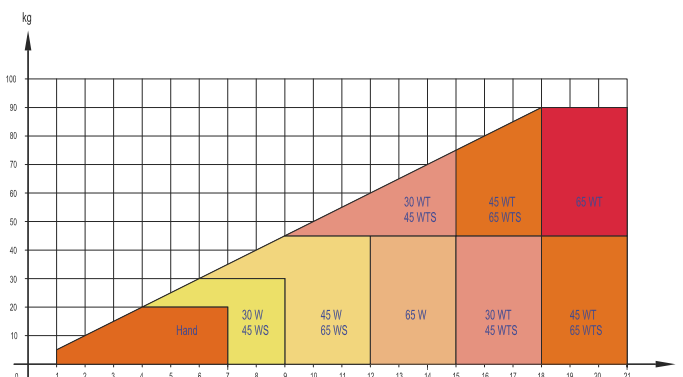
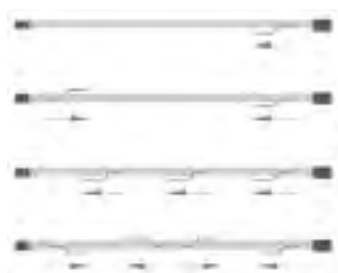
For curtains we recommend a distance of at least 100 mm between window or facade and rear edge of the rail and even more in case of obstacles like radiators. In special cases it may be helpful to execute a paper template for bent rails in a 1:1 scale.

For further information, please read the order form VZ

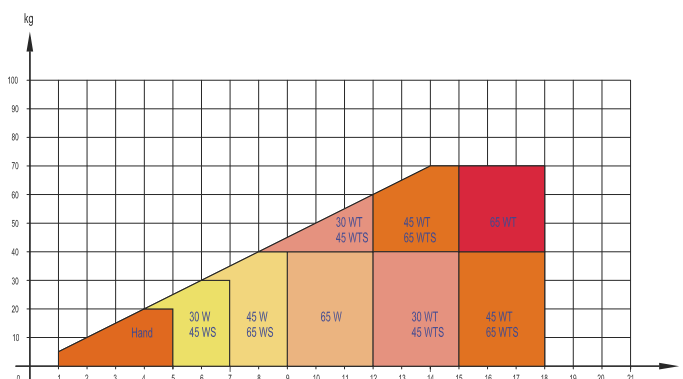


CURTAIN TRACK 5060 LIMIT SIZES

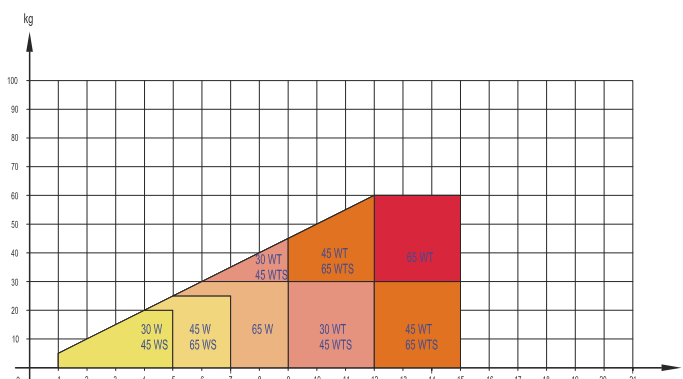
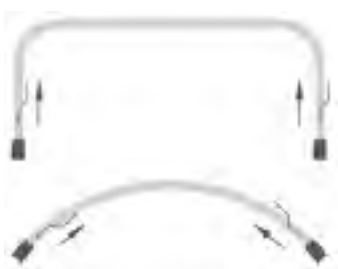
Straight rail:



1 curve 90° oder 2 curves 45°:



2 curves 90°:



Limits:

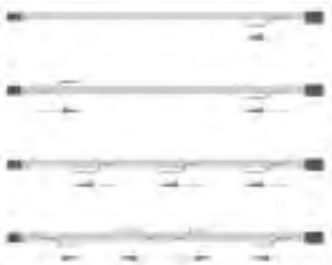
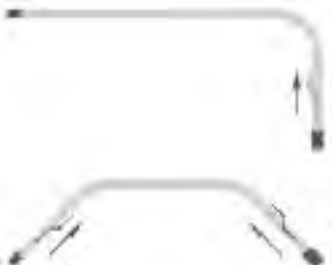
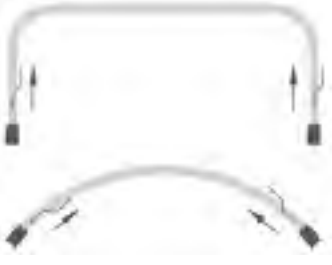
weight per runner maximum 2000 g pro

per running meter rail: 10 runners

Curved rail: wight of curtain = stretched length of curved rail

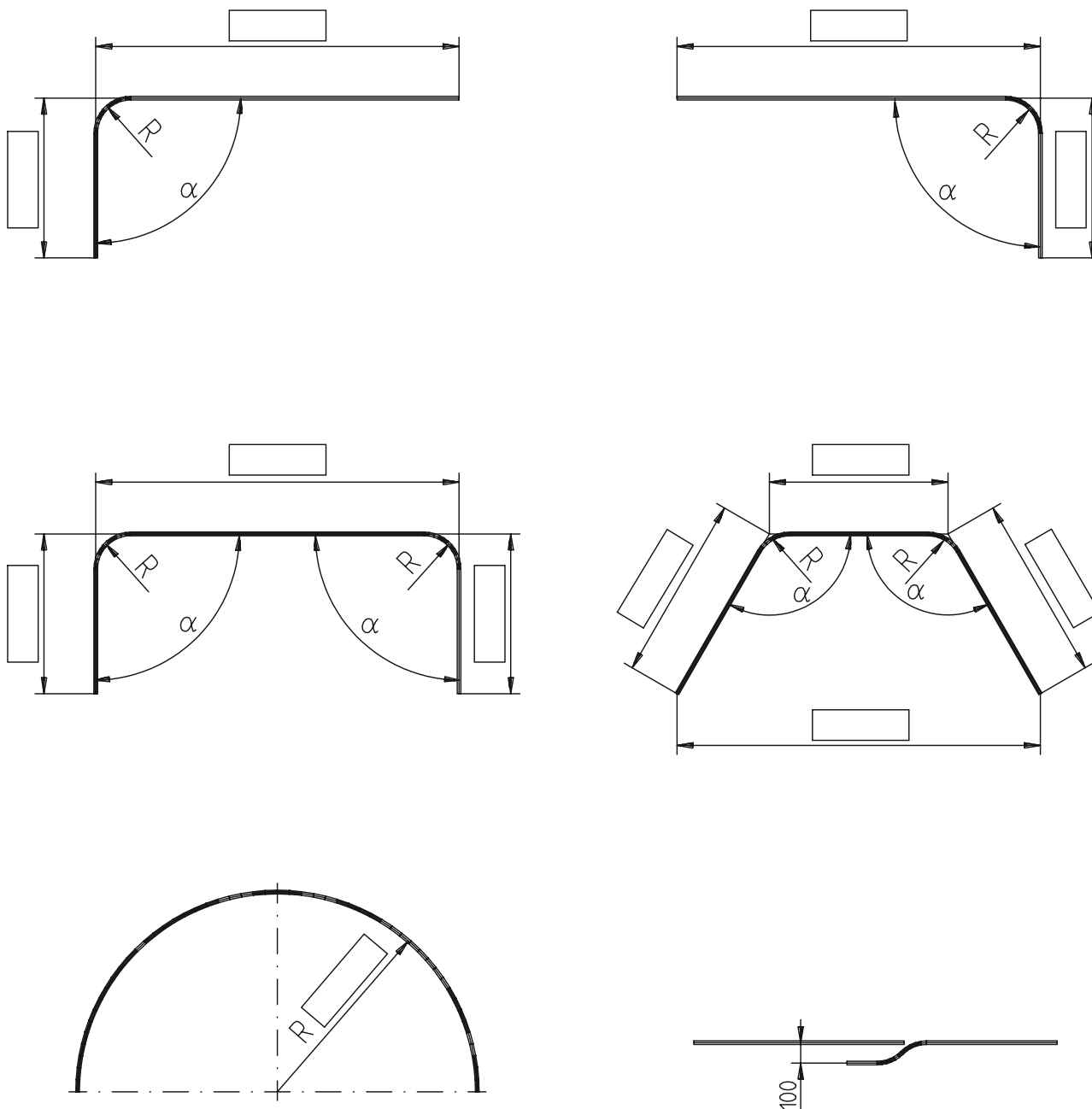
W	Watt
WS	Watt high speed
WT	Watt tandem
WTS	Watt Tandem speed

CURTAIN TRACK 5060 LIMIT SIZES

Shape	curtain width (m)	curtain weight (kg)	drive manual/electric	curtain track Typ	
				1 part	2 part
straight rail 	7	20	manual	5860	5861
	9	30	30 W	5160	5161
	9	30	45 WS	5561	5562
	12	45	45 W	5260	5261
	12	45	65 WS	5764	5765
	15	45	65 W	5760	5761
	15	75	30 WT	5360	5361
	15	75	45 WTS	5660	5661
	18	45	30 WT	5360	5361
	18	45	45 WTS	5660	5661
	18	90	45 WT	5460	5461
	18	90	65 WTS	5766	5767
	21	45	45 WT	5460	5461
	21	45	65 WTS	5766	5767
	21	90	65 WT	5762	5763
1 curve 90° oder 2 curves 45° 	5	20	manual	5860	5861
	7	30	30 W	5160	5161
	7	30	45 WS	5561	5562
	9	40	45 W	5260	5261
	9	40	65 WS	5764	5765
	12	40	65 W	5760	5761
	12	60	30 WT	5360	5361
	12	60	45 WTS	5660	5661
	15	40	30 WT	5360	5361
	15	40	45 WTS	5660	5661
	15	40	45 WT	5460	5461
	15	70	65 WTS	5766	5767
	18	40	45 WT	5460	5461
	18	40	65 WTS	5766	5767
	18	70	65 WT	5762	5763
2 curves 90° 	5	20	30 W	5160	5161
	5	20	45 WS	5561	5562
	7	25	45 W	5260	5261
	7	25	65 WS	5764	5765
	9	30	65 W	5760	5761
	9	45	30 WT	5360	5361
	9	45	45 WTS	5660	5661
	12	30	30 WT	5360	5361
	12	30	45 WTS	5660	5661
	12	60	45 WT	5460	5461
	12	60	65 WTS	5766	5767
	15	30	45 WT	5460	5461
	15	30	65 WTS	5766	5767
	15	60	65 WT	5762	5763

W Watt
 WS Watt high speed
 WT Watt tandem
 WTS Watt Tandem speed

Draft to indicate the correct measuring for curved sundrape curtain tracks



Curtain track system 5060

- Please observe the minimum curved radius of 350 mm
- All indications from top view
- Other shapes require a special drawing or pattern
- Please always state the driving side, as well as stack side

Curtain track system Easytrack 5065

- only straight models
- maximum width: 3500 mm, maximum height: 3000 mm

Curtain track system Easytrack plus 5165

- only straight models
- maximum width: 7000 mm, maximum height: 3000 mm

Meet the advantages of German Engineering ...

The sundrape® electric curtain track EcoTrack-S is a smart motor that can be controlled by radio control, wall switches, dry contacts or even by pulling the curtain by hand.

Silent Rotor Technology - a specially designed rotor eliminates almost all vibrations and makes the curtain run smooth and silent.

Intelligence included - a micro processor controls the limits, intermediate stops and comes with an integrated radio control receiver module (option)

Get connected - connections for 230V wall switches, low power switching (dry contacts), groups or even RS-232 for PC connection included. It can be connected to home automation systems by dry contacts or by external actors for line power.



10 runners with steel axle and rotating eye per running rail metre care for a safe and silent transportation of the curtain. In case of power failure, the curtain can be opened or closed manually. EcoTrack-S is equally well suited for straight or bended rails up to 14 meters of length.

The EcoTrack-S motor is delivered with the following accessories: one joint coupling, one security clamp for the coupling and one bolt.



Perfect Shape - for an even shaped curtain the trietex wave flow system is available with specially designed master carriers and snap tape.



Technical data EcoTrack-S35

Nominal voltage:	230 V
Nominal output:	35 W
Nominal current:	0,13 A
Frequency:	50 Hz
Mode of operation:	S 3 50 %
Phase-sequence:	right/left
Nominal speed:	90 RPM / 130mm/second
Enclosure:	only for dry rooms
Certificate:	CE

Product Features Motors

Developed, manufactured and assembled in Germany.

Silent and low vibration motors

Using High Performance Plastic Materials

Suitable for residential use as well as for the hospitality industry

EcoTrack-S35/45: Easy electronic setting of limits

EcoTrack-S35: Handstart function when pulling the curtain following the direction of the pull

Low cost of ownership

Synchronous drive, brushless motor

Motors can be installed facing downward or upwards into a fake ceiling

Easiest installation for room control systems or home automation using corresponding 230 volts blind actor

EcoTrack-S35/45: integrated group control

EcoTrack-S3/455: integrated dry contacts

EcoTrack-S35/45: advanced setting and diagnosis through RS-232 by PC.

No increase in noise level under load

Silent Rotor Technology – a specially developed rotor eliminates almost all vibrations and makes the curtain run smooth and silent.

Product Features Track System

Using special toothed drive belt with stainless steel inlays and damping textile coating for smooth operation.

Rigid Aluminum profile available in Aluminum anodized, white similar to RAL 9016 or black similar to RAL 9005.

Rail gears with precise roller ball gearings

The master carriers: wheeled or gliding master carriers, with extended or standard overlap are made of stainless steel.

Double track available with almost infinite overlap

Wheeled turnable runners, rigid wheeled runners or turnable gliders – whatever the application may be the components will fit perfectly.

Suitable for standard, pleated and wave flow shapes

Advantages of synchronous Motors

Mechanical transmission maintenance and operating costs are considerably reduced when implementing direct drive motors. These are brushless motors that are far less subject to the normal wear and tear compared to other motors

Synchronous motors always run on the same constant speed for all motors connected to the same power source

Even in the case of blockage of a motor the motor is neither damaged by overheating nor has a significant increase in the power consumption.

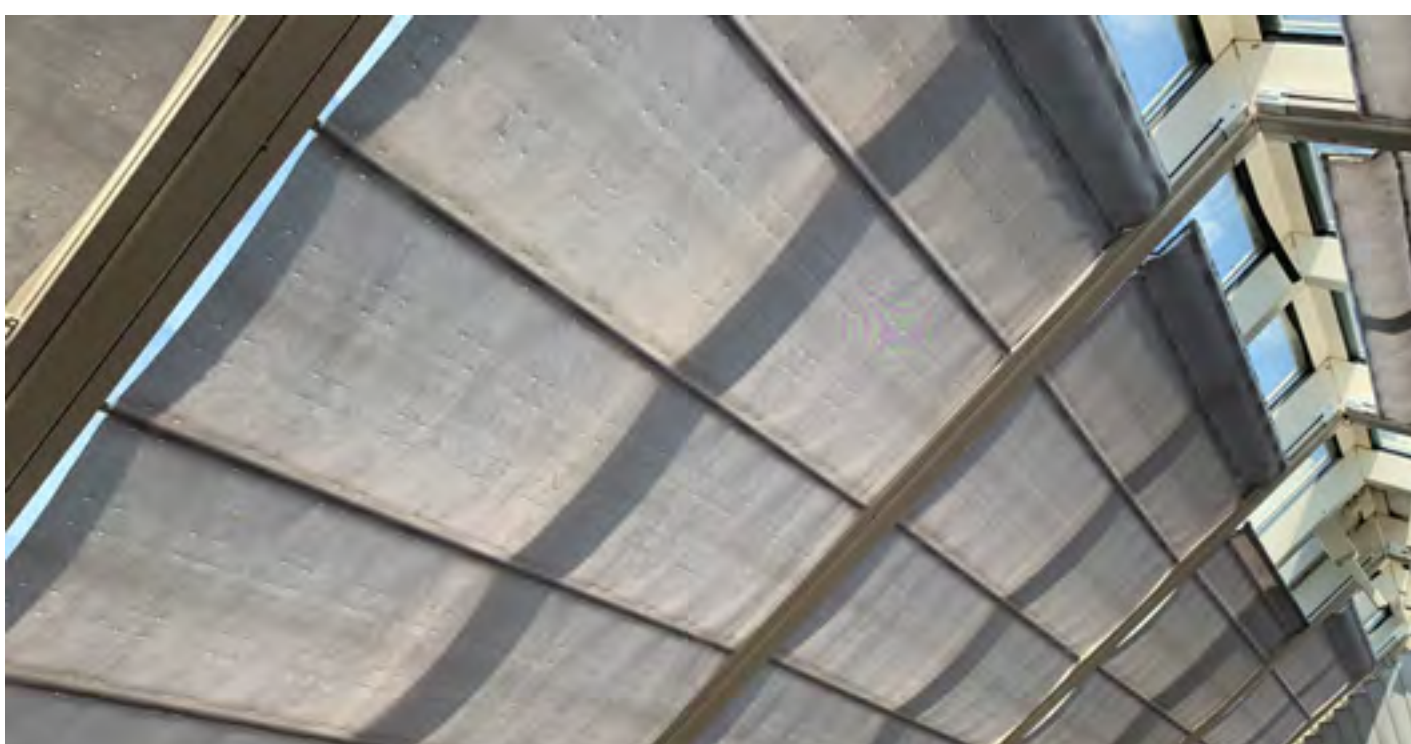
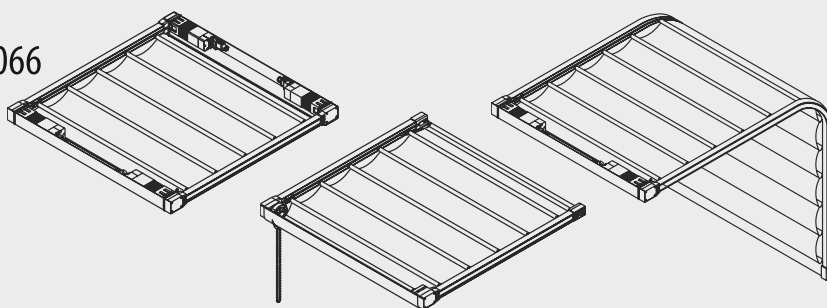
Synchronous motors have a lower inrush current than other motor technologies. This is why the power consumption (in Watts) cannot be compared with a synchronous motor.

Motor Dimensions EcoTrack-S35



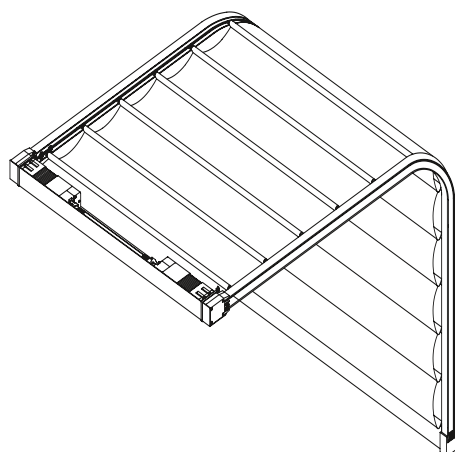
WINTERGARDEN SHADING SYSTEM 5066 ELECTRIC AND MANUAL CONTROL

Type: Plafond, for inclined,
angled and round roofs
Width: maximal 3000 mm
Length: maximal 14000 mm
Drapery: one or two parts draw



Applications and possibilities

Large sized sight and sun protection for residential areas as well as business and public areas, commercial buildings or any other public buildings. Specially apt for wintergardens, straight or angled glass façades and atriums. Mounting positions either vertical, oblique, regularly curved or horizontal.



Description

The wintergarden draperies are moved by means of endless toothed conveyor belts in lateral one-track aluminium rails, straight or bent, with a minimum bending radius of 350 mm. One drive unit each of the tandem motor is fixed at both rails. The motors are running with synchronous operation. Small blinds can be equipped with a single-motor or with manual operation and endless ball chain. These shapes are operated with a joint shaft between the rail gears.

A cover profile at the driving side supports the motors and guarantees a regular drapery border.

Blinds of a maximum length of 14 m or maximum width of 3 m are operated with 230 V motors, available with four different power capacities. The motors and the drapery stacks can be placed either at the upper or at the lower end of the rail, free of choice.

The drapery is fitted with loops bearing telescopic support rods. The distance between the rods is abt. 400 mm (blind closed), so that the loop drop figures about 200 mm.

The drapery can be ordered either in one part or in two parts with an overlap of about 180 mm.

Rail profile

The solid and stable rail with its dimensions of only 26 x 32 mm does not claim a lot of space – it can be mounted unobtrusively at nearly any kind of facade (see illustration aside, scale 1:1).



The rail surface is anodized in aluminium colour or with colours of RAL 9016, standard white and powder coated. Other colours on request also available.

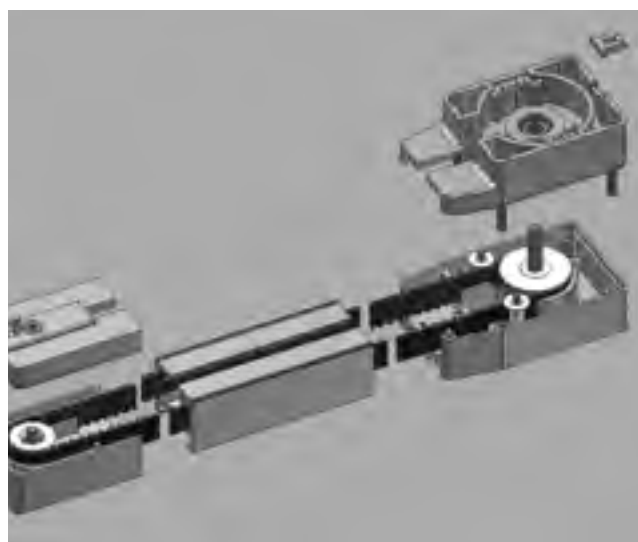
Guiding channels for conveyor belt and runners guarantee a very calm and regular run. In case of rail length exceeding 7 m, the rail units are connected with aluminium rail coupling pieces.



Drive components

The transport of the curtains is done by a twoside coated conveyor belt, running exactly in the guiding channels of the rail. This toothed belt with a specially determined toothing is very solid, resistant to wear and of limited extensibility.

The driver wheel and the deflection roller of the conveyor gear are made of high-tensile, resistant to wear plastic and run on ball-bearings in boxes of impact-resistant polyacetale.



All visible plastic parts are available in white or light grey. The drive runners with traverse joint are made of stainless high-grade steel and guarantee, in case of two-part draperies, an overlap of 180 mm.

The material is very solid.

Glider of drive runner and safety clip are made of hightensile plastic.



Runner

Twin-axled runner with special, easily running wheels care for an optimal transportation of the telescopic rods. Two pilot rods are fixed on supports of the traverse joint. All telescopic rods respectively the drapery can be inserted into the runners or removed after complete mounting of the rails and are secured with anti-slip sleeves.

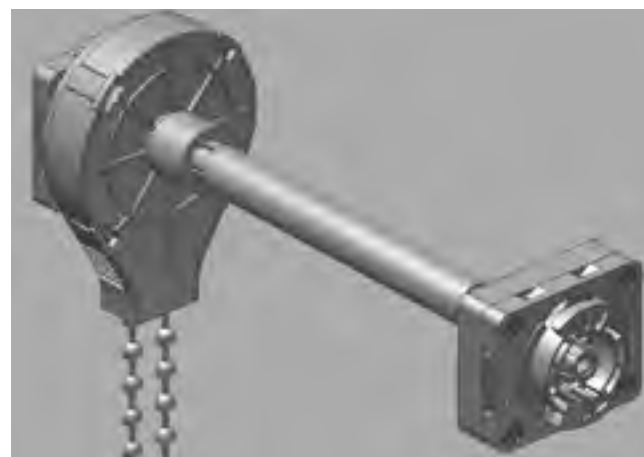
Blinds of more than 2,5 m width are equipped with mono-axled runners which are fixed directly on the rods to be inserted into the rail through the rail gear aperture.

The number of runners always corresponds to the repartition of rods respectively of the drapery loops, i. e. about 400 mm spacebetween two telescopic rods.

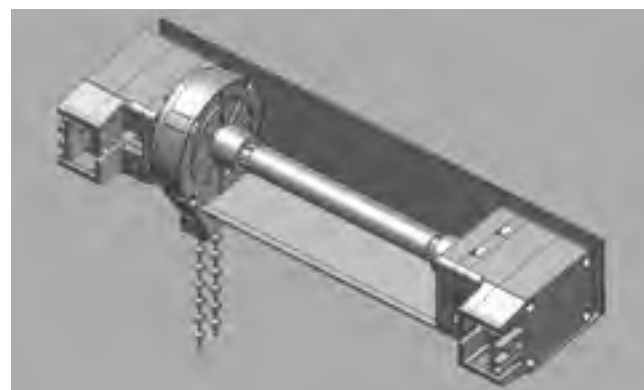


Manual operation with chain

Smaller blinds up to 2 m width and 6 m length can also be equipped and operated with a manual drive. In case an electric operation for blinds of this size is desired, the advantageous single motor, at a lower price as the tandem-drive, is available. The manual drive without automatic stop function is, according to mounting position, adjustable in order to enable a plumb line of the operation chain. The drapery can be stopped at any desired position by means of a locking angle. The ball chain can be inserted and stops the drapery at any position in case of oblique or vertical systems. The manual drive can be placed at any desired position by means of a bayonet lock. Simply place the drive with its connecting shaft between the rails. Available in the same colours as all the other plastic parts of this system, i. e. white or light grey.

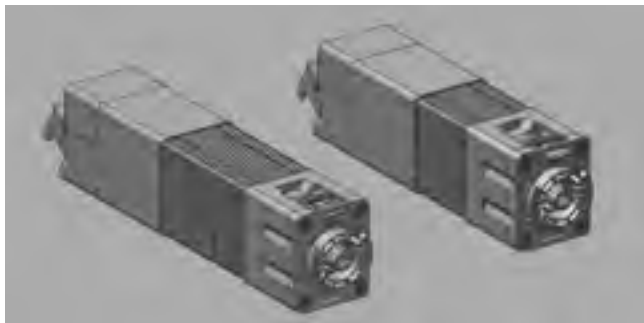


A cover profile, to be mounted at last, cares for a regular drapery border at the driving side. It is fitted with a velcro so that there is a flush, closed line between drapery and profile.

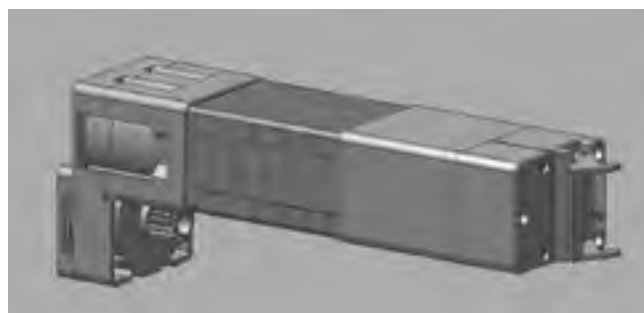


Electric drives

The electric drives are 230V/50Hz monophase synchronous motors with step down gear. Running speed is 130 mm/s. Motors are available in three power degrees – 30 W, 45 W and 65 W as tandem or double tandem drive. Tandem systems are operated with a pair of motors, i. e. one motor per rail. In case of heavy weights, two motors per rail are in duty. All motors are running synchronously.



The basis for smaller systems is the 45 W single motor. It is placed, like the manual drive, together with connecting shaft between the rails, mounted and fixed by means of a bayonet lock. An additional mounting space of 38 mm height is necessary. The position is free of choice and depends on position of supply lines.



All motors also available for 110V/60 Hz frequency. The final positions can be adjusted from outside via wheels on master motor. Tandem- and double tandem systems dispose in any case of only one master motor and one or three slave motors.

The motors are fixed horizontally, supported by a cover profile and covered by the border of the drapery.



Colours: white or light grey as rail gear

Accessories:

Connecting coupling, safety joint for coupling

Protection: IP30

For dry rooms only

Certificates: VDE/EMV/CE

Operation elements and control systems

Single operation with touch/switch control or radio remote control.

Group control with: touch/switch control or radio remote control with group control unit and/or overriding central control unit and/or automated light control, apt for control with BUS-systems via actors.

Technical data of electric drives

nominal voltage	230 V	230 V	230 V	110 V	110 V	110 V
nominal power	30 W	45 W	65 W	30 W	45 W	65 W
nominal current	0,13 A	0,20 A	0,28 A	0,26 A	0,40 A	0,59 A
Frequency	50 Hz	50 Hz	50 Hz	60 Hz	60 Hz	60 Hz
class of rating	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%
Sense of rotation	right/left	right/left	right/left	right/left	right/left	right/left

Limit sizes and data at one sight

WT watt tandem
WDT watt double tandem
WTS watt tandem high-speed version

Wintergarden shading systems with high-speed motor
(190 mm/s) on request.

Nominal power 45 WTS like 30 WT
Nominal power 65 WTS like 45 WT
Please note: when selecting electric drive consider limit sizes!

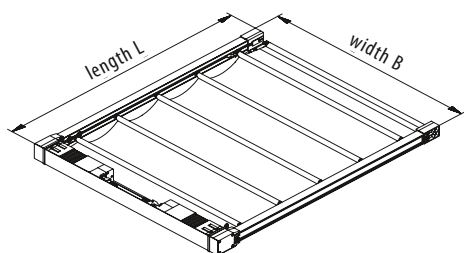
Drapery weight maximal 10 kg including telescopic rods.

Textile weight maximal 300 g/m²

Maximum blind sizes

Manual operation 6000 mm
Motor 45 W single 6000 mm
Motor 30 WT 7000 mm
Motor 45 WT 8000 mm
Motor 65 WT 9000 mm
Motor 30 WDT 10000 mm
Motor 45 WDT 12000 mm
Motor 65 WDT 14000 mm
Limit sizes and drapery weights depend on blinds width and may not be exceeded.

The length of the system always refers to rail length and in case of angled and curved systems to straight rail length.



Draperies

You may choose your drapery from our special shading systems collection. Blinds in one part or two parts. Overlap of draperies maximum 180 mm.

Stack side free of choice, normally stack side = driving side. Loop height of drapery when stacked: about 200 mm.

Draperies with seam for insert of telescopic rods, drapery border with velcro.

In case of Twintex, seam pockets for rods already included in pattern of drapery, distances: 130 mm.

Calculation of sectioning and stack width

Sections between two telescopic rods when blind is closed appr. 400 mm.
Sections in case of Twintex-drapery:

fixed at 385 mm.

Draperies with sewed loops, one-part Number of sections: (Length of blind – 250 mm)/400 mm, rounded up or off.

Distance of sections: (length of blind – 250 mm)/number of sections.

Stack width: number of sections x 28 mm + 340 mm

Draperies with sewed loops, two-part

Number of sections: (Length of blind – 335 mm)/400 mm round off to an even number

Distance of sections: (Length of blind – 335 mm)/number of sections.

Stack width per side:

number of sections/2x28 mm + 340 mm

Twintex-draperies, one-part:

Number of sections: (Length of blind – 125 mm)/385 mm, round off
Rest of length at driving side: Length of blind – 125 mm number of sections x 385 mm

Rest of blind longer than 225 mm: 1 additional section.

Width of stack:

Number of sections x 28 mm + 220 mm + rest of length

Twintex-draperies, two parts:

Number of sections: (Length of blind – 85 mm)/385 mm round off to an even number

Rest of lengths:

Length of blind/2–40 mm–number of sections/2 x 385 mm

Rest of length longer than 225 mm: 1 additional section.

Width of stack: Number of sections/2 x 28 mm + 220 mm + rest of length

How to take measure:

Width of blind AB, CD = clear width

Length of blind AC, BD = clear length – 30 mm

Indications of driving side and stack are necessary, for ex. AB.

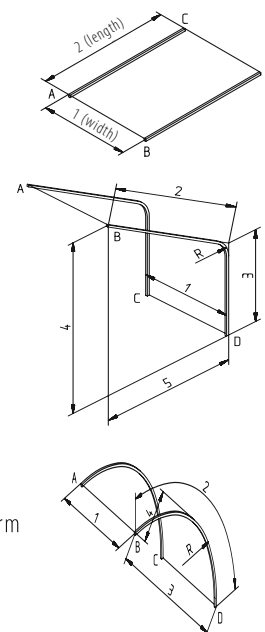
Always indicate pilot drive with switch-off explicitly (7-wire feed-cable).

In case of curved blinds Length of blind = straight length of rail.

Bending radius minimum 350 mm

In special cases, a pattern of a 1:1 scale may be helpful.

Further information: see order form for special shading systems.



WINTERGARDEN SHADING SYSTEM 5066

LIMIT SIZES

In case of intermediate sizes: next chart row value is to be taken!!

Shape of rail	width of blinds in mm									motorization	type 1/2parts
	1000	1250	1500	1750	2000	2250	2500	2750	3000		
	6000	5500	4500	4000	3500					manual operation	5866/67
	6000	5500	4500	4000	3500					45 W single	5666/67
	7000	6500	5500	4500	4000	3500	3000			30 WT	5166/67
	8000	8000	8000	7000	6000	5500	5000			45 WT	5266/67
	9000	9000	9000	8000	7000	6000	5500			65 WT	5566/67
	10000	10000	10000	8500	7500	6500	6000	3500	3000	30 WDT	5366/67
	12000	12000	11000	9500	8500	7500	6500	4000	3500	45 WDT	5466/67
	14000	14000	12000	10500	9500	8500	7500	4500	4000	65 WDT	5965/67
	6000	6000	5400	4800	4200					manual operation	5866/67
	6000	6000	5400	4800	4200					45 W single	5666/67
	7000	7000	6600	5400	4800	4200	3600			30 WT	5166/67
	8000	8000	8000	8000	7200	6600	6000			45 WT	5266/67
	9000	9000	9000	9000	8400	7200	6600			65 WT	5566/67
	10000	10000	10000	10000	9000	7800	7200	4200	3600	30 WDT	5366/67
	12000	12000	12000	11400	10200	9000	7800	4800	4200	45 WDT	5466/67
	14000	14000	14000	12600	11400	10200	9000	5400	4800	65 WDT	5965/67
	6000	6000	6000	6000	5200					manual operation	5866/67
	6000	6000	6000	6000	5200					45 W single	5666/67
	7000	7000	7000	6000	6000	5200	4500			30 WT	5166/67
	8000	8000	8000	8000	8000	8000	7500			45 WT	5266/67
	9000	9000	9000	9000	9000	9000	8200			65 WT	5566/67
	10000	10000	10000	10000	10000	9500	9000	5200	4500	30 WDT	5366/67
	12000	12000	12000	12000	12000	11200	9500	6000	5200	45 WDT	5466/67
	14000	14000	14000	14000	14000	12700	11200	6700	6000	65 WDT	5965/67
	6000	6000	6000	6000	6000					manual operation	5866/67
	6000	6000	6000	6000	6000					45 W single	5666/67
	7000	7000	7000	7000	7000	7000	6000			30 WT	5166/67
	8000	8000	8000	8000	8000	8000	8000			45 WT	5266/67
	9000	9000	9000	9000	9000	9000	9000			65 WT	5566/67
	10000	10000	10000	10000	10000	10000	10000	7000	6000	30 WDT	5366/67
	12000	12000	12000	12000	12000	12000	12000	8000	7000	45 WDT	5466/67
	14000	14000	14000	14000	14000	14000	14000	9000	8000	65 WDT	5965/67
	6000	6000	5400	4800	4200					manual operation	5866/67
	6000	6000	5400	4800	4200					45 W single	5666/67
	7000	7000	6600	5400	4800	4200	3600			30 WT	5166/67
	8000	8000	8000	8000	7200	6600	6000			45 WT	5266/67
	9000	9000	9000	9000	8400	7200	6600			65 WT	5566/67
	10000	10000	10000	10000	9000	7800	7200	4200	3600	30 WDT	5366/67
	12000	12000	12000	11400	10200	9000	7800	4800	4200	45 WDT	5466/67
	14000	14000	14000	12600	11400	10200	9000	5400	4800	65 WDT	5965/67
	6000	6000	6000	6000	5200					manual operation	5866/67
	6000	6000	6000	6000	5200					45W single	5666/67
	7000	7000	7000	6000	6000	5200	4500			30 WT	5166/67
	8000	8000	8000	8000	8000	8000	7500			45 WT	5266/67
	9000	9000	9000	9000	9000	9000	8200			65 WT	5566/67
	10000	10000	10000	10000	10000	9500	9000	5200	4500	30 WDT	5366/67
	12000	12000	12000	12000	12000	11200	9500	6000	5200	45 WDT	5466/67
	14000	14000	14000	14000	14000	12700	11200	6700	6000	65 WDT	5965/67
	4800	4400	3600	3200	2800					manual operation	5866/67
	4800	4400	3600	3200	2800					45W single	5666/67
	5600	5200	4400	3600	3200	2800	2400			30 WT	5166/67
	6400	6400	6400	5600	4800	4400	4000			45 WT	5266/67
	7200	7200	7200	6400	5600	4800	4400			65 WT	5566/67
	8000	8000	8000	6800	6000	5200	4800	2800	2400	30 WDT	5366/67
	9600	9600	8800	7600	6800	6000	5200	3200	2800	45 WDT	5466/67
	11200	11200	9600	8400	7600	6800	6000	3600	3200	65 WDT	5965/67

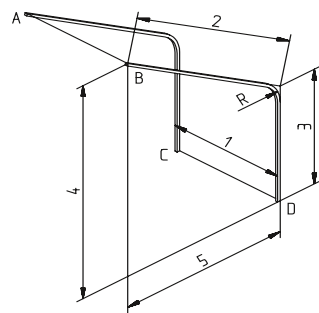
grey: reinforced telescopic rods with a 16 mm diameter • Drapery weight limited to 10 kg • minimum width 700 mm

W watt
WT watt tandem
WDT watt double tandem



Examples for measurements

① Angled blind



1 _____

2 _____

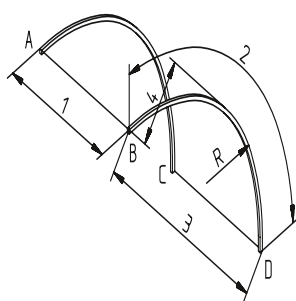
3 _____

4 _____

5 _____

R _____

② Curved blind



1 _____

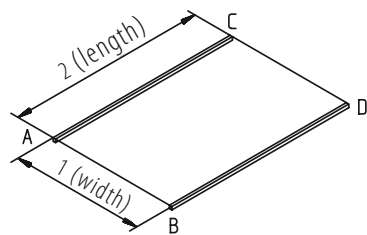
2 _____

3 _____

4 _____

R _____

③ Ceiling blind



1 _____

2 _____

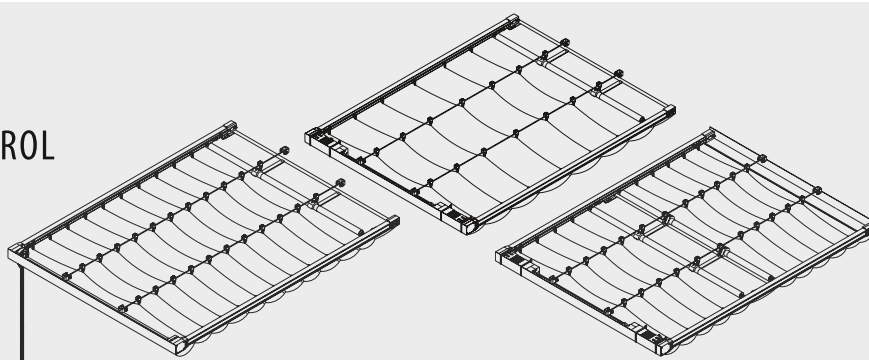
Motor/Operation	A	0
	B	0
	C	0
	D	0

Stack side	A/B	0
	C/D	0

- The minimum curve radius is 350 mm
- Please add a drawing or pattern for different shapes
- Please always indicate the drive- and stack side

PLAFOND SYSTEM 5070 ELECTRIC AND MANUAL CONTROL

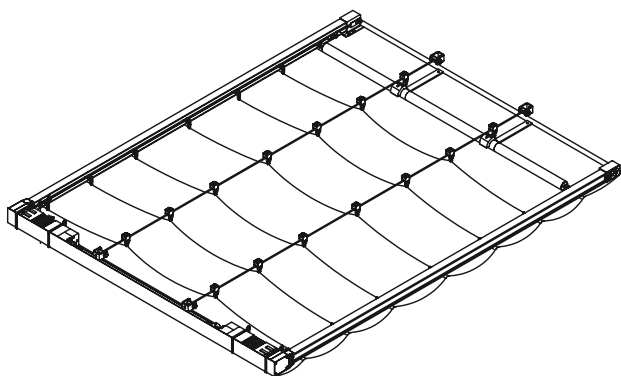
Area shading
Plafond and inclined roof up to 10°
Width: maximal 6000 mm
Length: maximal 10000 mm
Draper: one or two parts draw



Applications and possibilities

Large sized sight and sun protection for residential areas as well as business and public areas, commercial buildings or any other public buildings.

Very well apt for horizontal or sloped glass roofs (up to 10 °) covering a surface up to 72 m².



Description

The draperies are moved by means of endless, toothed conveyor belts running in lateral, one-track aluminium rails. Both track rails are equipped with one motor each at the rail end, working as a tandem drive. The motors are operating synchronously.

Smaller blinds up to 28 m² are available as manually operated systems, working with an endless ball chain. The rail gears are, in this case, connectet via connecting shaft.

A cover profile at the driving side supports the motors and guarantees a regular drapery border.

Blinds of a maximum length of 14 m or maximum width of 3 m are operated with 230 V electric drives, available with four different power capacities. The motors and the drapery stack can be placed either at the upper or at the lower end of the rail, free of choice.

The drapery is fixed with sewed loop strings across the top side of the drapery, fixed on wires with corresponding runners. The repartition distance of the wires is about 1000 mm. The distance of the loop strings is about 500 mm when blind is closed. Consequently, the loop height is about 250 mm. The blind may run with a one-part or a two-part drapery.

Rail profile

The solid and stable rail with its dimensions of only 26 x 32 mm does not claim a lot of space – it can be mounted unobtrusively at nearly any kind of facade (see illustration aside, scale 1:1).



The rail surface is anodized in aluminium colour or with colours of RAL 9016, standard white and powder coated. Other colours on request also available.

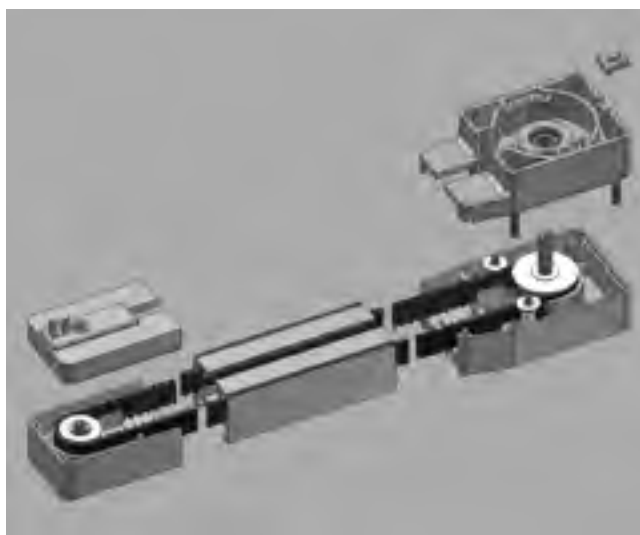
Guiding channels for conveyor belt and runners guarantee a very calm and regular run. In case of rail length exceeding 7 m, the rail units are connected with aluminium rail coupling pieces.



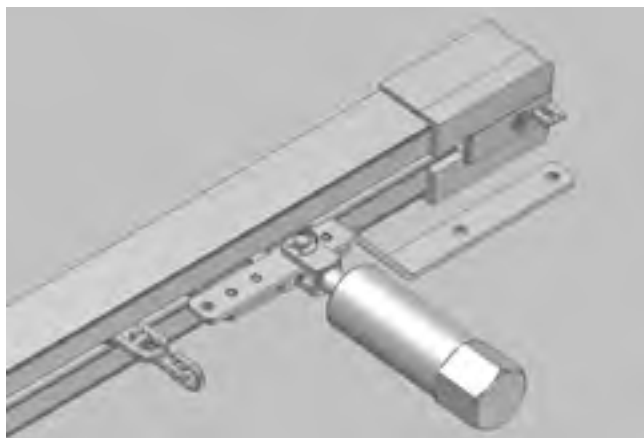
Drive components

The transport of the curtains is done by a two-side coated conveyor belt, running exactly in the guiding channels of the rail. This toothed belt with a specially determined toothing is very solid, resistant to wear and of limited extensibility.

The driver wheel and the deflection roller of the conveyor gear are made of high-tensile, resistant to wear plastic and run on ball-bearings in boxes of impact-resistant polyacetale.

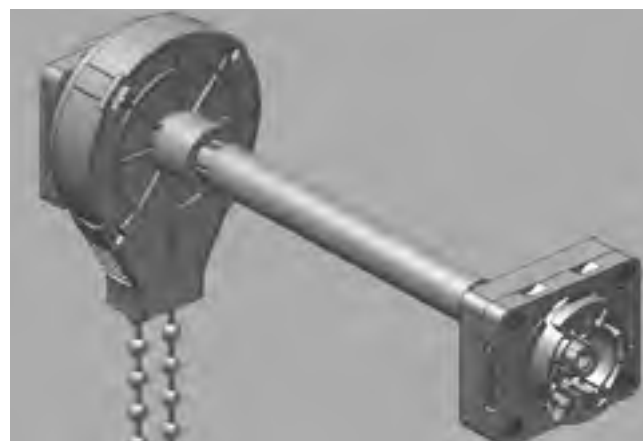


All visible plastic parts are available in white or light grey. The drive runners with traverse joint are made of stainless high-grade steel and guarantee, in case of two-part draperies, an overlap of 180 mm. The material is very solid. Glider of drive runner and safety clip are made of high-tensile plastic.



Manual operation with chain

Smaller blinds up to 4 m width and 7 m length can also be equipped and operated with a manual drive instead of an electric drive. The manual drive can be placed at any position. Just bring it into the desired position, fix it, together with its connecting shaft, by means of the easy bayonet lock between the track rails. The colours all of the manual gear are the same as all other plastic parts, i. e. white or light grey.



Fixing of drapery

Plastic covered wires span the blind width in regular distances between the track rails, fixed by means of galvanized wire tensioning devices. So a least hanging of the drapery is guaranteed. Special wire runners with galvanized steel axle and insertion eyelet guarantee a calm and smooth run. Another effect is that the spotwise hanging of the draperies give it a light and cloudy appearance.

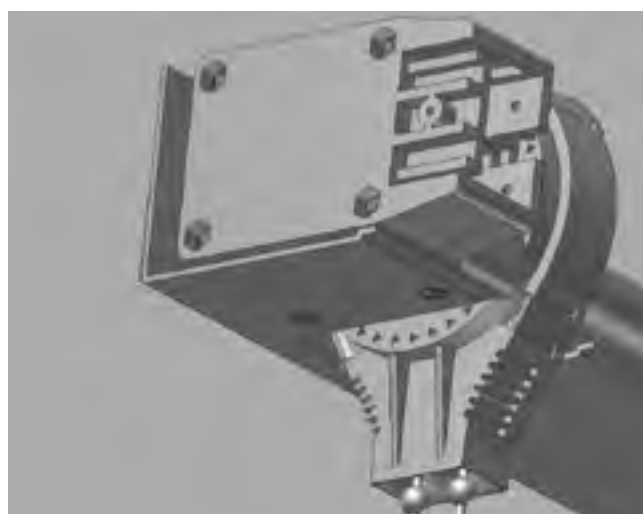
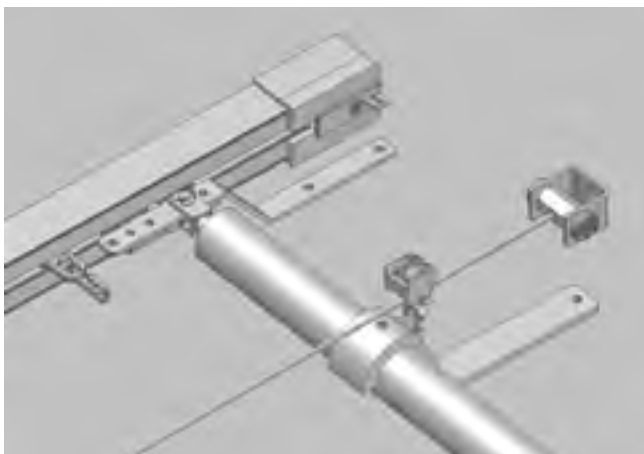


A cover profile at the driving side guarantees a regular drapery border which is fixed with a corresponding velcro.



Connecting rod

The connecting rod with its 30 mm diameter is made for large sized draperies. It is moved via the conveyor belts in the lateral track rails. Torsion-proof plastic adapters are connecting the connecting rod with the drive runners with traverse joint which are moved by the conveyor belt. The front border of the drapery is fixed onto drive runner with traverse joint with a velcro.



Electric drives

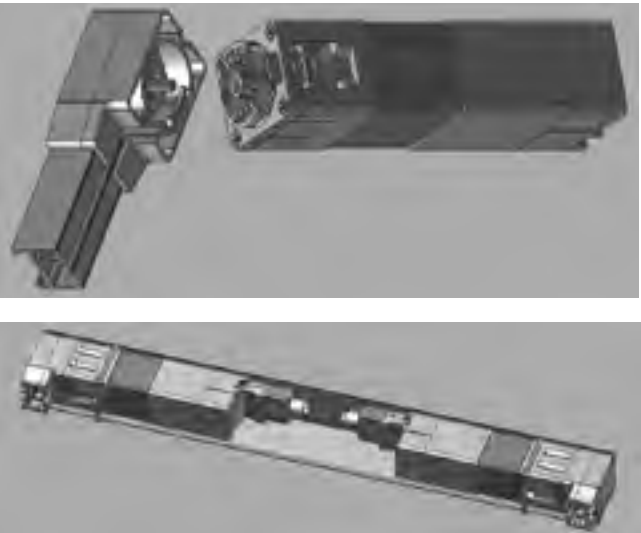
The electric drives are 230V/50Hz monophase synchronous motors with step down gear. Running speed is 130 mm/s
Motors are available in three power degrees – 30 W, 45 W and 65 W as tandem or double tandem drive. Tandem systems are operated with a pair of motors, i. e. one motor per rail. In case of heavy weights, two motors per rail are in duty (double tandem) All motors are running synchronously.



Technical data of electric drives

nominal voltage	230 V	230 V	230 V	110 V	110 V	110 V
nominal power	30 W	45 W	65 W	30 W	45 W	65 W
nominal current	0,13 A	0,20 A	0,28 A	0,26 A	0,40 A	0,59 A
frequency	50 Hz	50 Hz	50 Hz	60 Hz	60 Hz	60 Hz
class of rating	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%
sense of rotation	right/left	right/left	right/left	right/left	right/left	right/left

All motors also available for 110V/60 Hz frequency. The final positions can be adjusted from outside via wheels on master motor. Tandem and double tandem systems dispose in any case of only one master motor and one or three slave motors.
The mounting of the motors onto the rail gears is simply done via bayonet lock, just turn and lock!
The motors are fixed horizontally, supported by a cover profile and covered by the border of the drapery.



Colours: white or light grey as rail gear
Accessories:
Connecting coupling, safety joint for coupling
Protection: IP30
For dry rooms only
Certificates: VDE/EMV/CE

Operation elements and control systems

Single operation with touch/switch control or radio remote control
Group control with: touch/switch control or radio remote control with group control unit and/or overriding central control unit and/or automated light control, apt for control with BUS-systems via actors.

Limit sizes and data at one sight

WT watt tandem
WDT watt double tandem
WTS watt tandem high-speed version
Skylight shading systems with high-speed motor (190 mm/s) on request.
Nominal power 45 WTS like 30 WT
Nominal power 65 WTS like 45 WT
Please note:
when selecting electric drive consider limit sizes!

Textile weight maximal 300 g/m²

Limit sizes

Width of blind AB (mm)	Length of blind AL (mm)	Operation
4000	7000	manual operation
4000	6000	30 WT
4000	6000	45 WTS
4000	8000	45 WT
6000	6000	45 WT
4000	9000	65 WT
6000	7000	65 WT
4000	10000	30 WDT
6000	8000	30 WDT
4000	12000	45 WDT
6000	10000	45 WDT
4000	14000	65 WDT
6000	12000	65 WDT

In case of intermediate sizes, consider next size up!

Draperies

You may choose your drapery from our special shading systems collection. Other fabrics on request. Blinds in one part or two parts. Overlap of draperies maximum 180 mm.

Stack side free of choice, normally stack side = driving side.

Loop height of drapery when stacked: about 250 mm.

Draperies with loop strings for hanging on wires with runners. Drapery border with velcro.

Calculation of sectioning and stack width

One part draperies:

Number of sections: $(\text{Blind length} - 250 \text{ mm}) / 500 \text{ mm}$
round up or off

Distance of sections:

$(\text{blind length} - 250 \text{ mm}) / \text{number of sections}$

Stack width: number of sections x 28 mm + 340 mm

Two part draperies:

Number of sections: $(\text{blind length} - 335 \text{ mm}) / 500 \text{ mm}$
round up or off to even number

Distance of sections:

$(\text{blind length} - 335 \text{ mm}) / \text{number of sections}$

Stack width per side:

number of sections / 2 x 28 mm + 340 mm

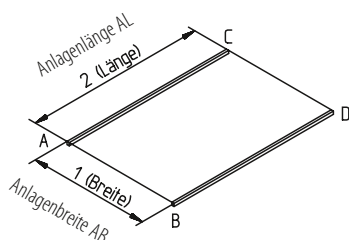
How to take measure and how to order

Width of blind AB, CD = clear width

Length of blind AC, BD = clear length - 30 mm

Indications "driving side" and "stack side" are required, for example AB.

Further information: see order form "GF".



Mounting

The rails can easily and quickly be mounted with locking bolts, either on the wall or into the niche. The distance of the locking bolts should be 600 mm. The rails are fixed with a simple turn of the locking bolt.



The bolting through the rail with tapping screws is also possible. The screw head should not stick out.

Several additional mounting profiles enable the mounting of the rails below frame construction.

The following additional mounting profiles available:

L 50 x 25 x 4 mm

L 50 x 50 x 4 mm

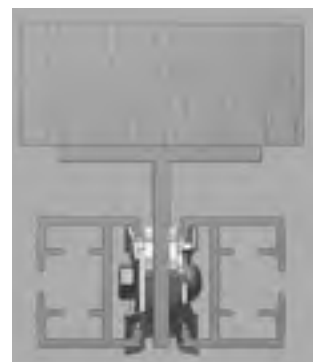
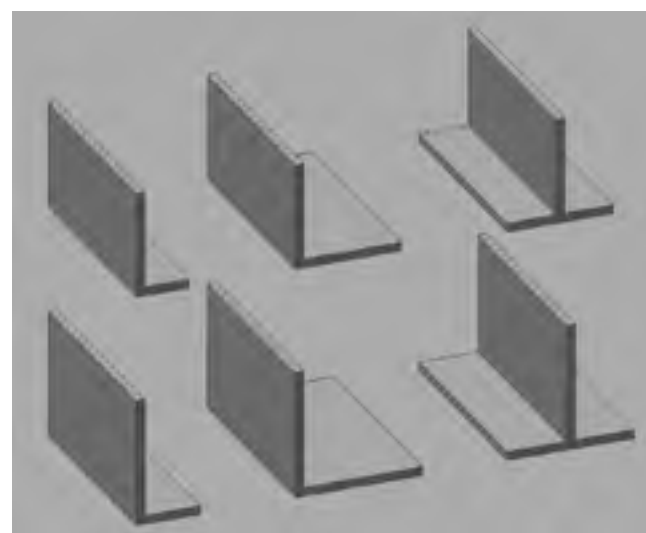
T 50 x 50 x 4 mm

L 60 x 30 x 4 mm

L 60 x 60 x 4 mm

T 60 x 60 x 4 mm

The profiles are delivered made to measure and in the same colour as the rails. Locking bolts are pre-mounted on request.



Mounting with T and L-profile below frame construction

mounting height driving side

80

* Exact determining of the tension wires

AB

B1 *

B1 *

B1 *

310/340/370
30W/45W/65W

310/340/370
30W/45W/65W

1 roll fixed

125

125

1 roll fixed

125

125

AL

H2

Please enter measurements!

AB	AL	B1	H2	number of tension wires

AB = blind width (= clear width)
 AL = blind length (= clear length - 30 mm)
 B1 = field width B1 is equally separated in widths between 0,7 - 1,2 m.
 Consider supports resp. rafter of subconstruction.
 H2 = max. pleat height is 260 mm

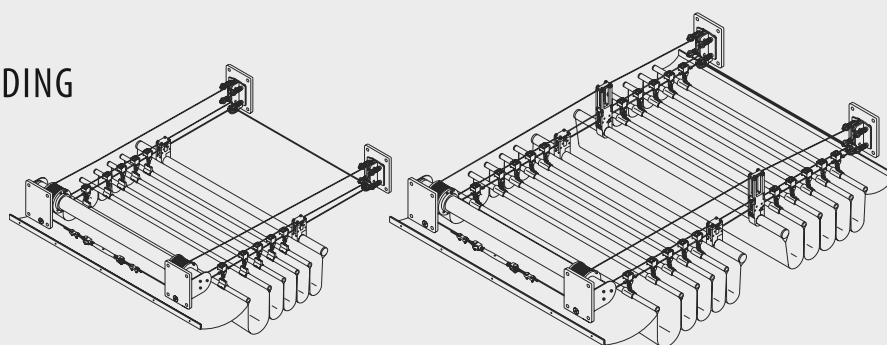
Please enter measurements!

AB	AL	B1	H2	number of tension wires
----	----	----	----	----------------------------

AB = blind width (= clear width)
 AL = blind length (= clear length - 30 mm)
 B1 = field width B1 is equally separated
 in widths between 0.7 - 1.2 m.
 Consider supports resp. rafters of
 subconstruction.
 H2 = max. pleat height is 260 mm

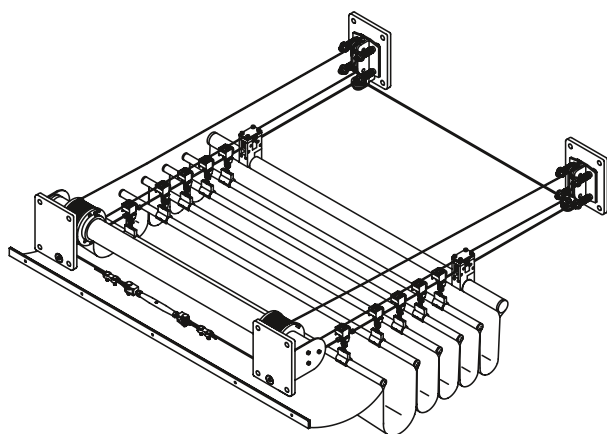
WIRE GUIDED LARGE AREA SHADING SYSTEM 5072

type
5072 drapery one part
5073 drapery two parts



Applications and possibilities

Large sized horizontal sight and sun protection for glass roofs, atriums, domed roofs or glass fronts in commercial, living and business areas as well as in public buildings. An area up to 68 m² can be spanned with only one blind, either horizontal or sloped up to 10°.



Description

This system does not need lateral transport rails. The drapery is suspended with runners on two or four carrying ropes with a distance of appr. 500 mm and can be finished in one or two parts. A driving shaft with tube motor on one side cares for the necessary run via transport ropes. Support rods, inserted into the loops, care for an even folding.

Rectangular or trapezoidal blinds up to a maximum width difference of 1500 mm can be realized. In case of trapezoidal shapes the drive unit is always placed on the wider side. And trapezoidal blinds are always supplied with one-part drapery.

To move blinds from 800 mm to 4500 mm width and blinds up to a maximum length of 10.000 mm with one-part drapery and of 15.000 mm with two-part drapery only one drive unit is requested.

Driving shaft and transport rope elements are being screwed onto the solid base on site. Drapery is being fixed with a Velcro strip at a wall slat and covers the drive unit.

High-grade materials and the waiving of lateral rails make the blind fit especially with modern facades. All metall parts are of rust-resitant special steel or anodized aluminium.

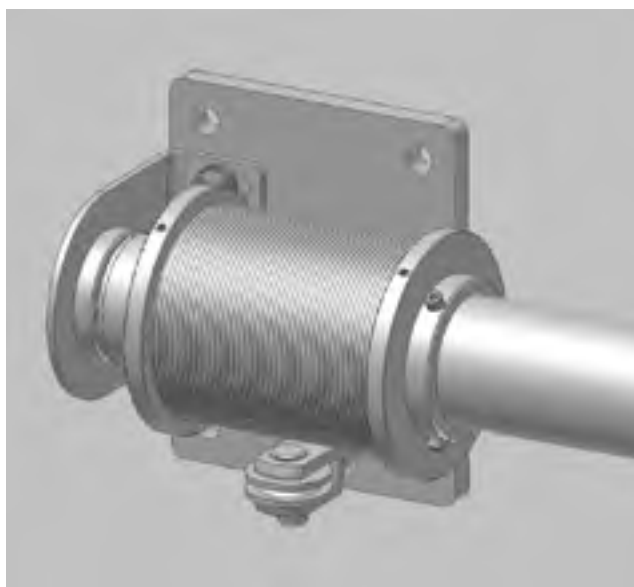
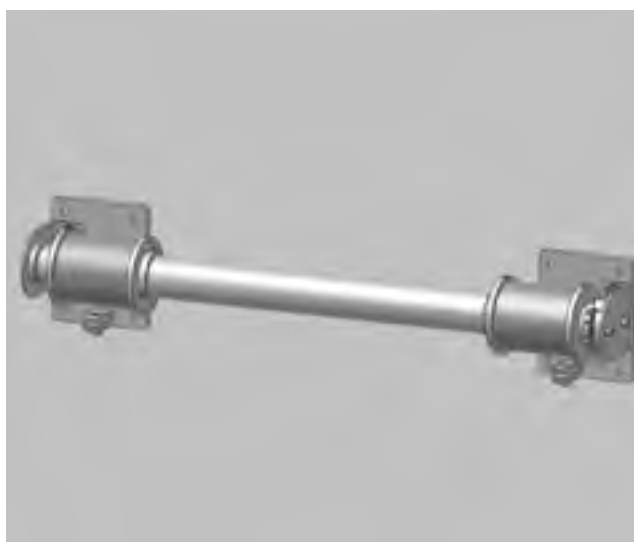
Attention:

In case of closed two-part blinds occurs a sag up to 100 mm depending on the tension possibilities of the carrying rope.

In case of side by side arranged blinds you have to consider a distance of 50 mm between two draperies.

Drive components

The drive unit consists of a 50 mm ball bearing alu tube with integrated tube motor 230V/50 Hz. The precise end position fixing guarantees an exact end position. Two torsion-free drive shafts of anodized aluminium move the special steel transport ropes on which drive runner and tracking tube are fixed.



The transport ropes are tensioned by pressure springed rope winder elements with ball bearing deflection roller. Traversing speed is 75 mm/s. Drapery can be adjusted in every required position.



rope winder element



drive runner
drapery one-part/two-part

The carrying ropes are transparent plastic coated, deflection roller guided and centrally tensioned. For blind widths up to 2500 mm two carrying ropes are requested; from 2500 up to 4500 mm four ones.

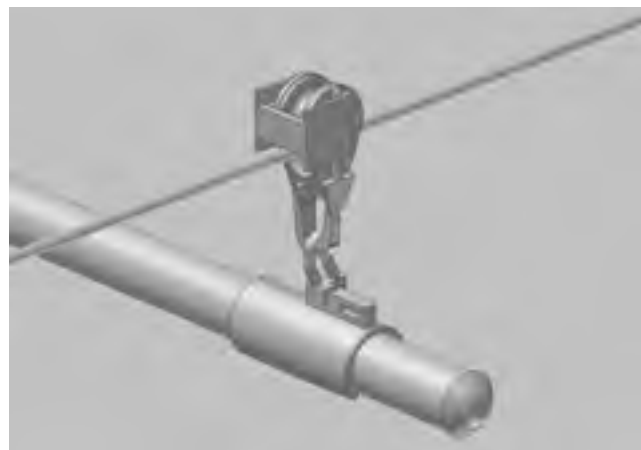


Electric drive

230 V/50Hz monophase A.C. tubular motor
power input: 120 W
nominal speed: 17 rpm
nominal load torque: 10 Nm
integrated limit switch with 40 rotations
protective system: IP 44
pluggable, bearing: torsion-free and secured

Drapery qualities

suitable qualities of the sundrape®
special shading systems collection
fabric up to 300 g/m² are allowed
especially recommended is sundrape®
quality Interlooon 2901
other fabrics on request
The draperies are being delivered tailored and sewn to measure.



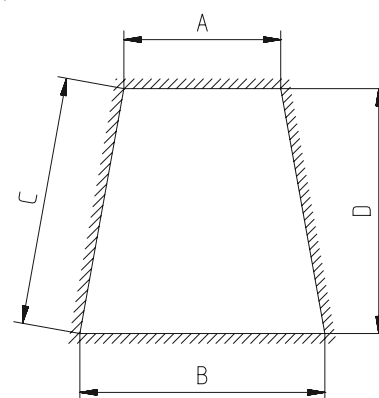
The carrying ropes for the drapery are fixed with hangers at the runners from above.

The loops have ports for hangers. The first loop takes up the 29 mm Ø tracking tube. Support rods and tracking tube have plastic end caps. Connection between drapery and wall is made by Velcro strips. Attention: drapery parts of blinds which close centrally do not overlap!

Measuring advice

rectangular shape:
length of blind = clear measure of length
width of blind = clear measure of width – 40 mm

trapezoidal shape:
length of blind = clear measure of length D
width of blind = clear measure of width A, B – 40 mm
width difference A – B up to a maximum of 1500 mm
measure A minimum 800 mm



Operation elements and control elements

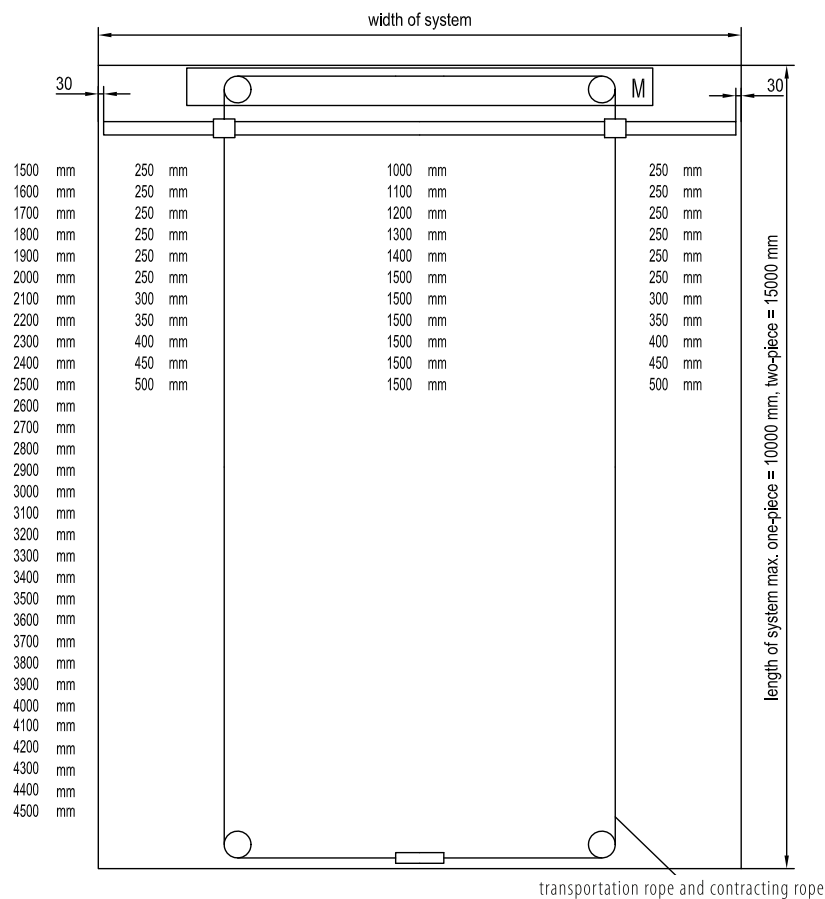
Single operation with pushbutton/locking switch or radio remote control.
Group control with: pushbutton/locking switch or radio remote control with group control unit and/or overriding central control unit and/or brightness control.

indirect application for BUS system control

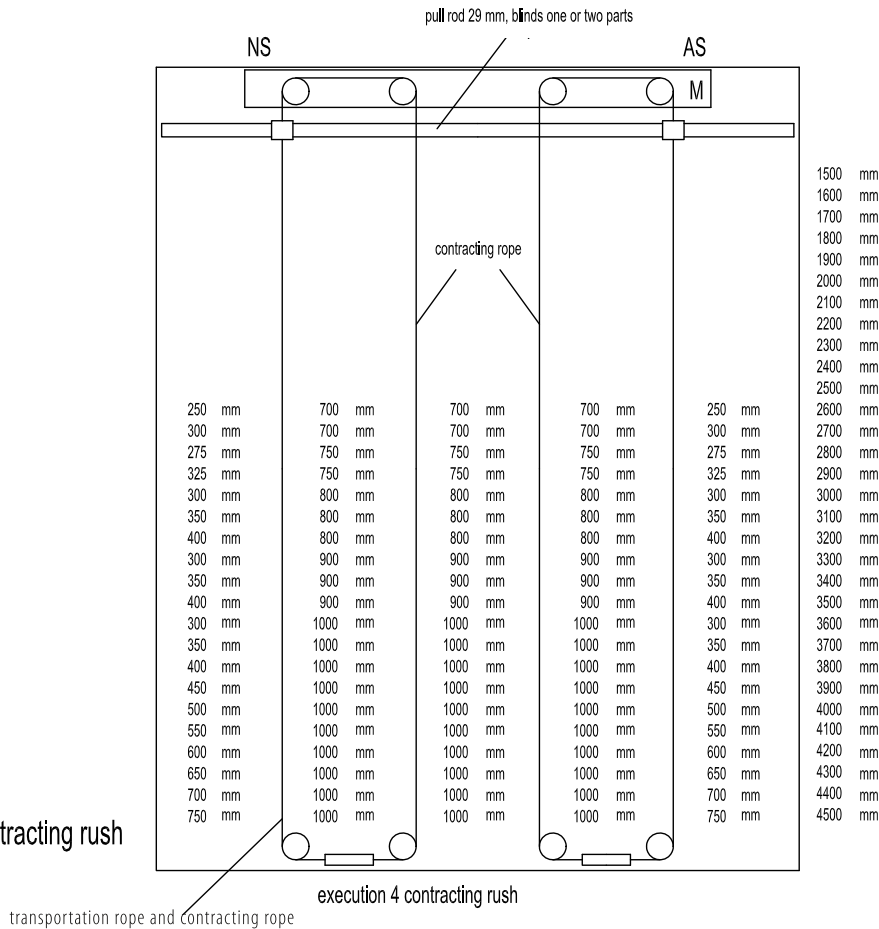
ROPE GUIDED SKYLIGHT SYSTEM 5072
LIMIT SIZES, CONTRACTING ROPE DISTRIBUTION

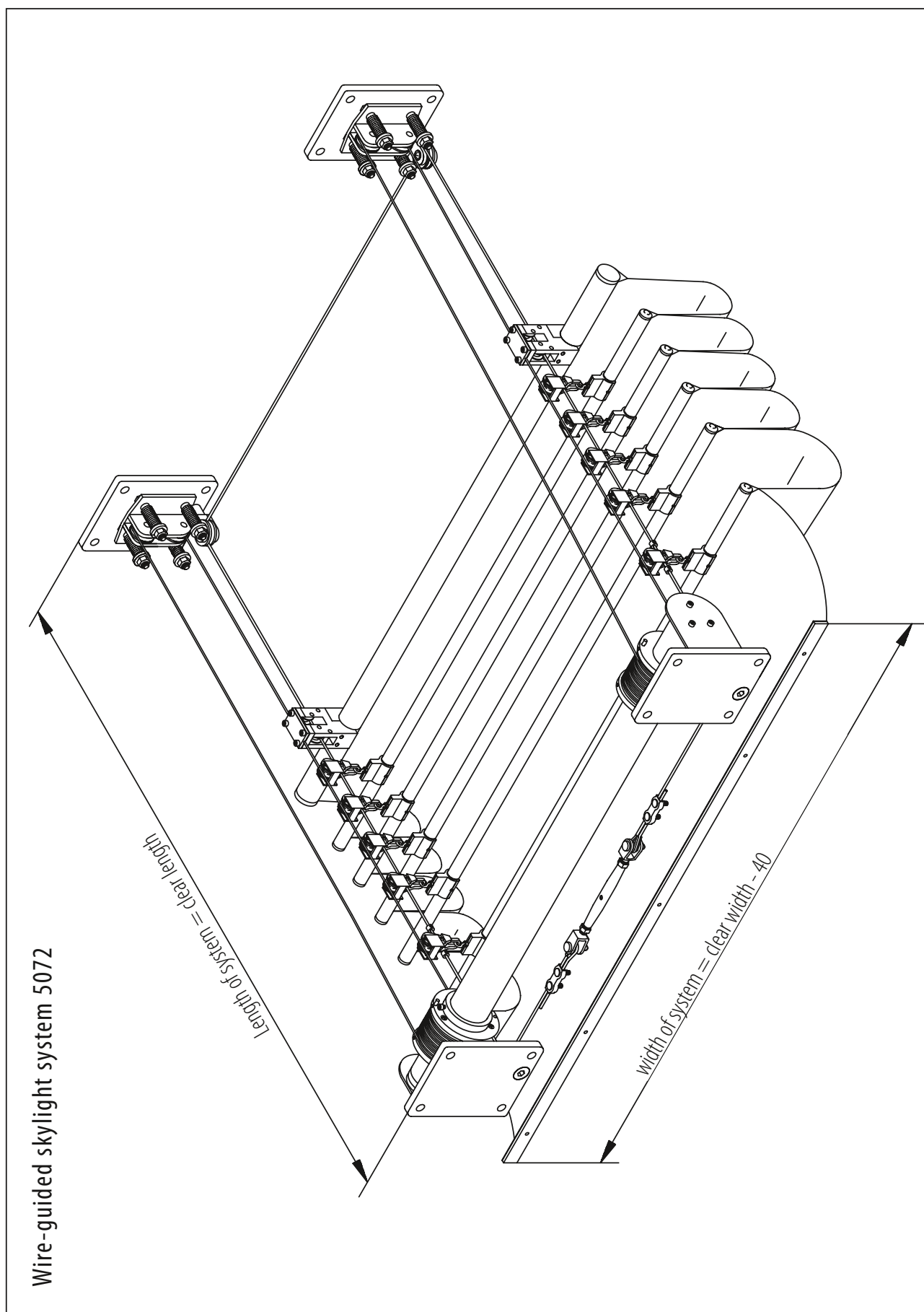
rope guided skylight system 5072

execution 2 contracting rush



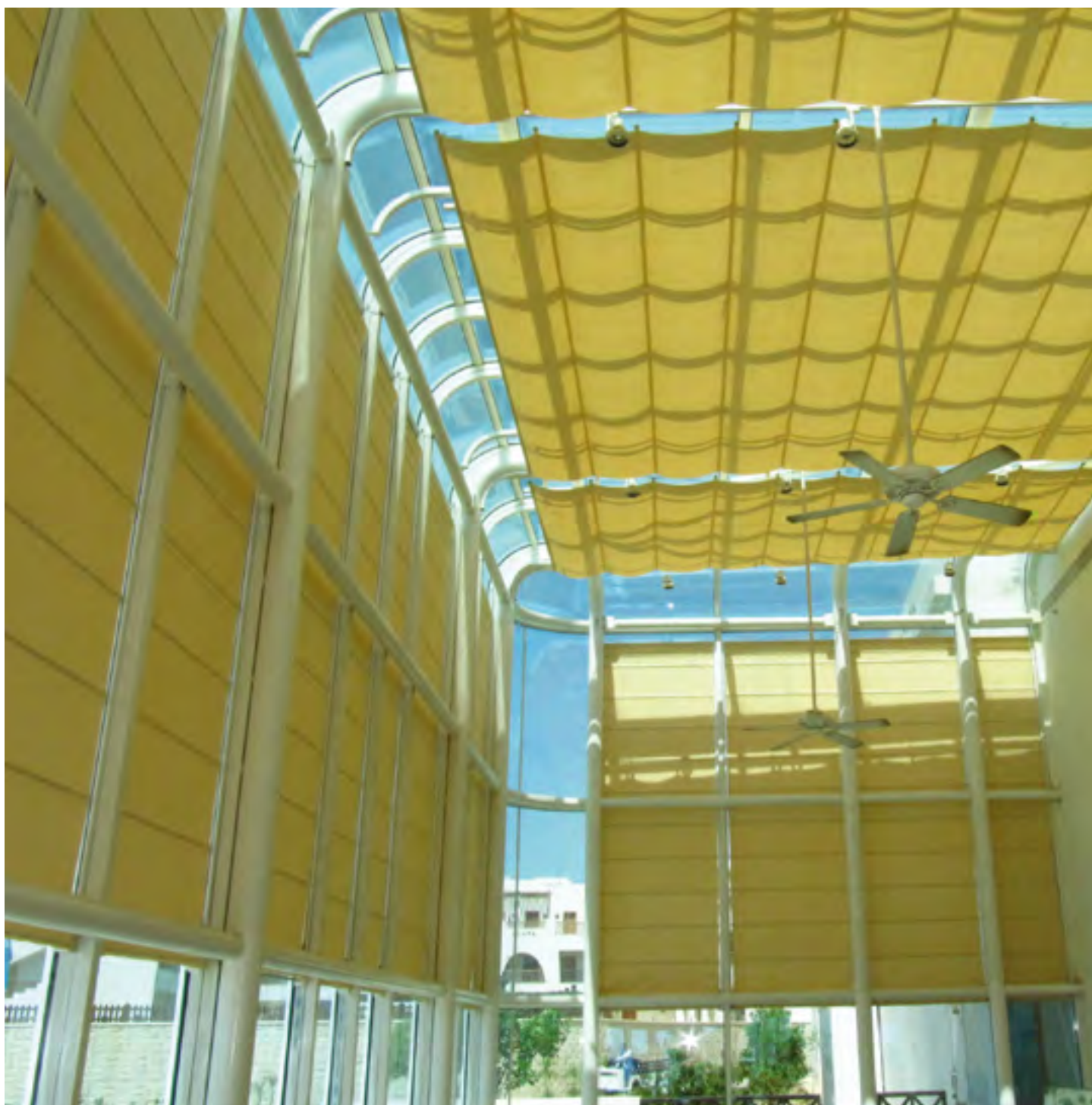
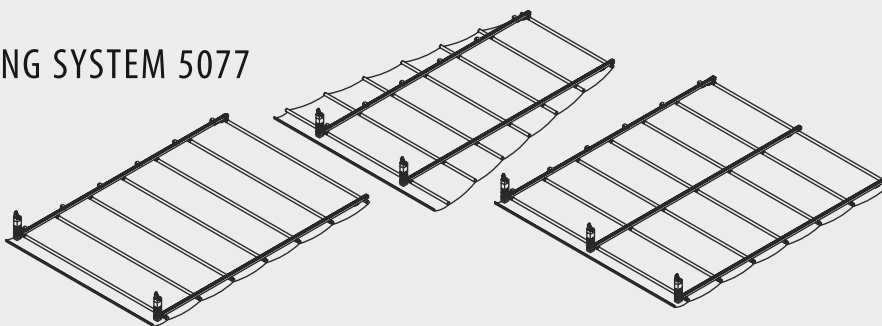
execution 4 contracting rush





PLAFOND LARGE AREA SHADING SYSTEM 5077 ELECTRIC CONTROL

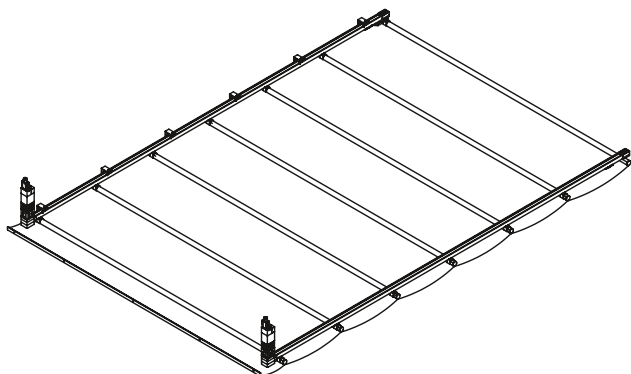
Large area shading system
Plafond and inclined roof up to 10°
Width: maximal 4500 mm
Length: maximal 14000 mm
Drapery: one or two parts draw



Applications and possibilities

Large sized horizontal sight and sun protection under glass roofs, atriums and skylights for residential areas as well as business and public areas, commercial buildings or any other public buildings.

Specially apt for horizontal or up to 10° tilted glass roofs with a surface up to 63 m².



Description

The draperies are moved by means of endless toothed conveyor belts running in lateral straight aluminium guide rails. Both guide rails are equipped with one motor each at the rail end, facing upwards, working as a tandem drive. The motors are operating synchronously. A cover profile with velcro at the driving side forms the regular drapery border.

Rectangular systems, as well as trapezoidal systems on request, up to a maximum length of 14 m or a maximum width of 4,5 m, are operated with 230 V electric drives, available in three different power levels as tandem drive or double tandem drive, also in a high speed version with a velocity of 190 mm/s. The motors and the drapery stack can be placed either at the upper or at the lower end of the rail, free of choice. Larger system sizes up to 6000 mm can be realized with a central support rail, depending on mounting site situation. Anodized circular aluminium tubes with a 29 mm diameter serving as drapery support bars guarantee a very regular looping. The repartition distance of the bars is about 600 mm when blind is closed. Consequently, the loop height is about 300 mm. The draperies are sewn in one part or in two parts with a light and cloudy appearance. Two-part draperies are centered without overlapping.

Rail profile

The solid and stable rail with its dimensions of only 26 x 32 mm does not claim a lot of space and can be mounted at nearly any kind of façade (see illustration aside, scale 1:1)



The rail surface is anodized in aluminium colour or in RAL colour 9016, standard white and powder coated. Other colours also available on request.

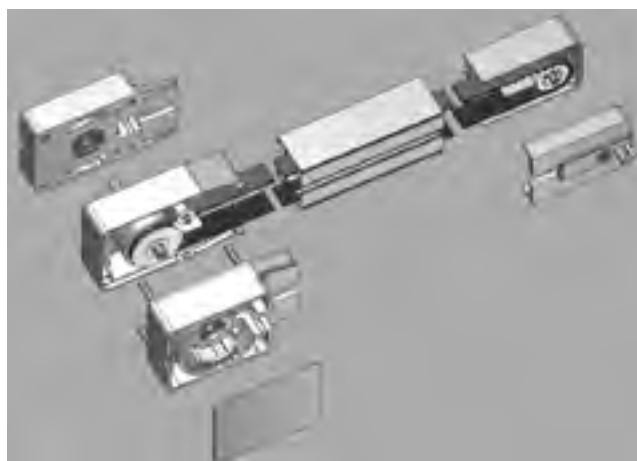
Guiding channels for conveyor belt and runners guarantee a very calm and regular run. In case of rail length exceeding 7 m, the rail units are connected with aluminium rail coupling pieces.



Drive components

The transport of the curtains is done by a conveyor belt coated on both sides, running exactly in the guiding channels of the rail. This toothed belt with a specially determined toothing is very solid, resistant to wear and of limited extensibility.

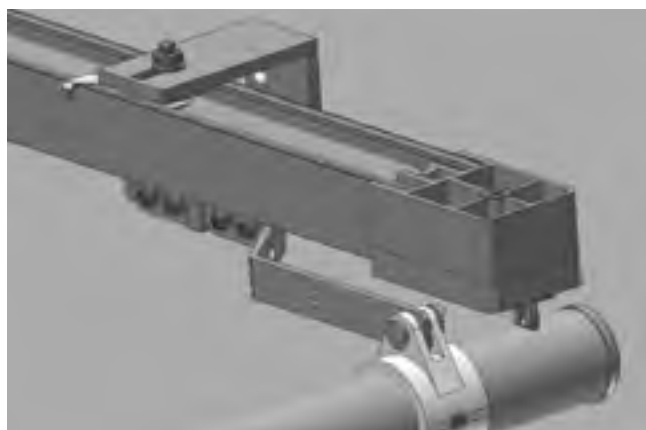
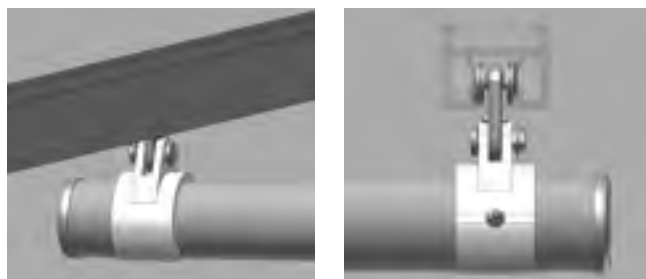
The driver wheel and the deflection roller are made of high-tensile, resistant to wear plastic and are running on ball-bearings in rail gear boxes made of impact-resistant polyacetal. The rail gears are modified for motor position facing upwards on the guide rails. All visible plastic parts are available in white or light grey.



The drive runners with traverse joint are made of stainless high-grade steel. The material is particularly stable and bending resistant. Glider of drive runner and safety clip are made of high-tensile plastic.

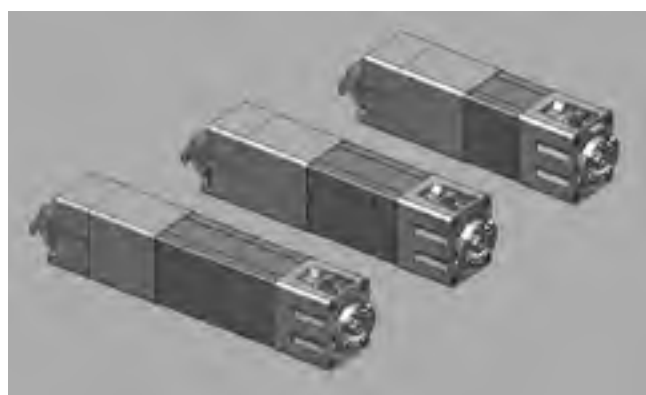
Fixing of drapery

The solid polyacetal hangers for the drapery rods are pre-mounted at drive runner as well as at the rollers and allow a simple dismantling if required. The drapery rods are inserted into the drapery loops. The loops have ports for hangers and so allow a slackly hanging of the draperies. The hangers are clipped on the drapery rods and subsequently locked with screw.



Electric drives

The electric drives are 230 V/50 Hz monophase synchronous motors with step down gear. The running speed is 130 mm/s or 190 mm/s in high speed version. Three power degrees, i. e. 30 W, 45 W and 65 W as tandem or double tandem drive care for adequate driving. Tandem systems are operated with one pair of motors, i. e. one motor per guide rail. In case of heavy weights, two motors per guide rail are in duty (double tandem). All motors are running synchronously.

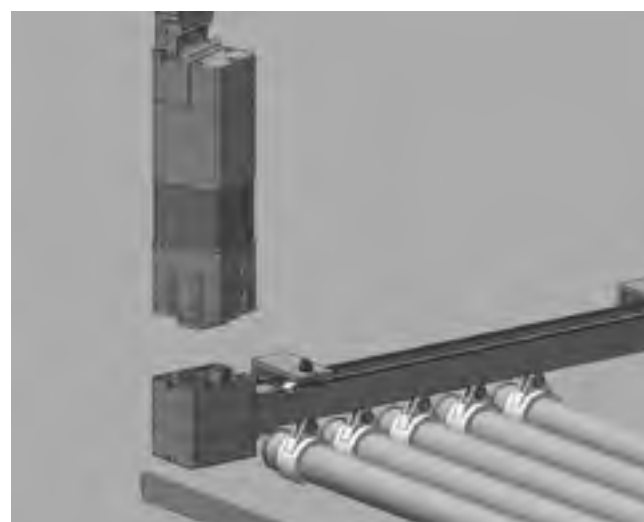


Technical data of electric drives

nominal voltage	230 V	230 V	230 V	110 V	110 V	110 V
nominal power	30 W	45 W	65 W	30 W	45 W	65 W
nominal current	0,13 A	0,20 A	0,28 A	0,26 A	0,40 A	0,59 A
frequency	50 Hz	50 Hz	60 Hz	60 Hz	60 Hz	
class of rating	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%	S3 50%
sense of rotation	right/left	right/left	right/left	right/left	right/left	right/left

All motors also available for 110 V/60 Hz frequency. The final positions can be adjusted from outside via wheels on master motor. Tandem and double tandem systems dispose in any case of only one master motor and one or three slave motors without cutoff.

The mounting of the motors onto the rail gears is simply done via bayonet lock, just turn and lock! The motors are fixed vertically on the guide rails, facing upwards. The motors require a space of appr. 380 mm upside the guide rails.



colours of the motors: white or light grey like rail gears
accessories:

connecting coupling, safety joint for coupling
protection: IP30, only for dry rooms
certificates: VDE/EMV/CE

Operation elements and control systems

Single operation with touch/switch control or radio remote control.
Group control with: touch/switch control or radio remote control with group control unit and/or overriding central control unit and/or automatic light control, apt for control with BUS-systems via actors.

Limits and data at one sight

WT watt tandem
 WDT watt double tandem
 WTS watt tandem high-speed version
 High speed motors (190 mm/s) on request
 Nominal power 45 WTS like 30 WT
 Nominal power 64 WTS like 45 WT
 Please note: when selecting electric drive, consider limit sizes! Drapery weight maximal 300 g/m².

Limit sizes

Width of blind AB (mm)	Length of blind AL (mm)	Operation
3000	7000	30 WT
3000	7000	45 WTS
4000	7000	45 WT
4000	7000	65 WTS
4000	9000	65 WT
4500	7000	30 WDT
4500	10000	45 WDT
4500	14000	65 WDT
6000	7000	65 WT
6000	9000	45 WDT
6000	14000	65 WDT

In case of intermediate sizes, consider next size up.
 Systems exceeding 4500 mm width are run with 3 guide rails.

Draperies

You may choose your drapery from our collection for special shading system 5070.
 other apt fabrics on request
 blinds with one-part or two-part draperies
 two-part draperies adjusted without overlapping
 stack side free of choice, normally stack side = driving side
 loop height of drapery when stacked: appr. 300 mm
 draperies with ports allow clipping of drapery rod hangers
 drapery border with velcro

Calculation of sectioning and stack width

Distance of sections between two loops when blind is closed: appr. 600 mm.

One part draperies:

number of sections: (blind length – 150 mm)/600 mm round up or off
 distance of sections: (blind length – 150 mm)/number of sections
 stack width: number of sections x 38 mm + 350 mm

Two-part draperies:

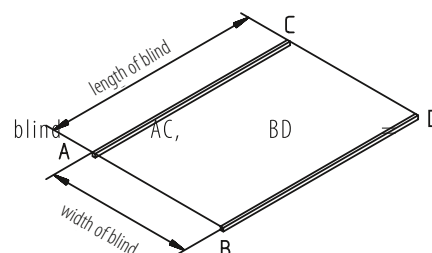
number of sections: (blind length – 300 mm)/600 mm
 round up or off to even number
 distance of sections: (blind length – 300 mm)/number of sections
 stack width per side: number of sections/2 x 38 mm + 260 mm

How to take measure and how to order

width of blind AB, CD
 = clear width

length of
 clear length – 30 mm

further information:
 see order form GF

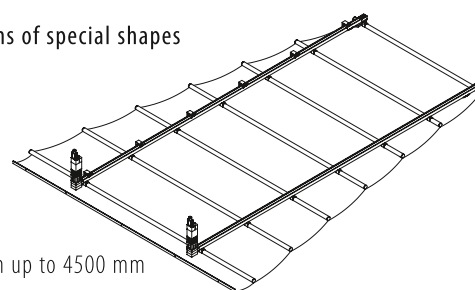


Mounting

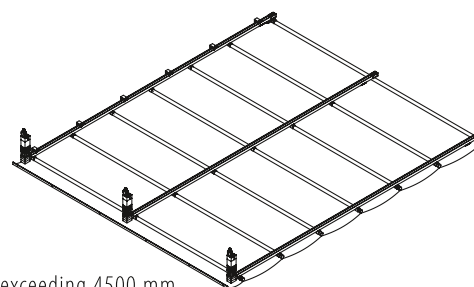
The rails can easily and quickly be mounted on the wall with mounting angles. The locking bolts are pre-mounted on the mounting angles. The distance of the mounting angles should be appr. 600 mm. The rails are fixed with a simple turn of the locking bolt.



Illustrations of special shapes



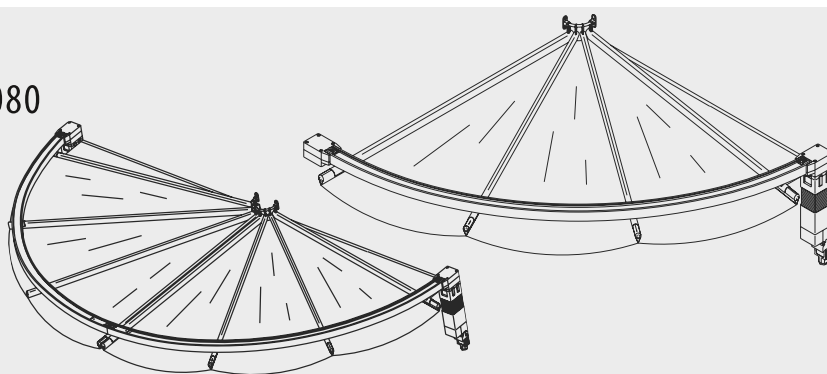
blind width up to 4500 mm



blind width exceeding 4500 mm

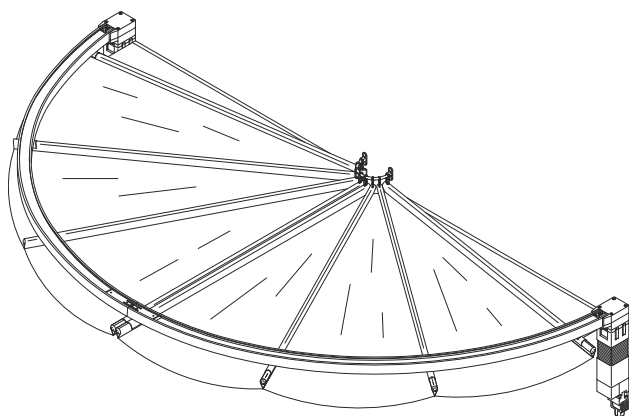
ROUND ROOF SHADING SYSTEM 5080 ELECTRIC AND MANUAL CONTROL

Round shading system Plafond for polygonal and circular bay windows and glass roofs up to a diameter of 6000 mm



Applications and possibilities

Circular horizontal sight and sun protection for commercial living and business areas as well as in public buildings. Especially suitable for circular or multiangular bay windows and round roofs, below domelights.



Description

The drapery traverses in a circularly bent aluminium transport rail via a revolving toothed belt. The maximum diameter is 6000 mm. Circular blinds always consist of two semi-circular transport rails. The 230V-electric motor is fixed at the end of the transport rail horizontally downwards. Large blinds are equipped with tandem motors, i.e. one motor at each end. The motors run synchronously.

Operation of smaller semi-circular blinds up to a radius of 2000 mm is also manually with endless ball chain possible.

The drapery is sewn fan-shaped with loops upside for the carrying rod. The carrying rods are suspended in the runners of the rail as well as centrally in a 100 mm Ø ring.

Quarter-circular blinds are always produced with one-part drapery, semi-circular ones always with two-part drapery.

Various circular arc angles can be supplied on request. If necessary, it is also possible to produce blinds with a second inner transport rail. The motor of the inner rail traverses more slowly. The minimum bent radius of the rail is 350 mm.

The carrying rods overlap outwards and cover the rail when the blind is closed. The drapery edges have Velcro tapes and can be fixed on the wall. If the round shading blind consists of two semi-circular rails, the drapery edges can be connected.

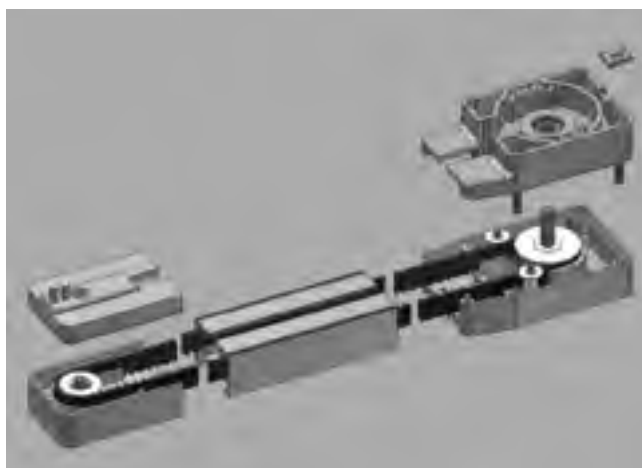
Rail

The measurements of the solid rail are just 26 x 32 (see illustr. M1:1). The surface of the rail is made of extruded aluminium technically anodized or white powder coated according to RAL 9016. Other colours can be offered on request. Guiding channels for conveyor belt and runners guarantee a particularly quiet and smooth running.



Drive components

Transport of the drapery is guaranteed by a double-sided covered drive belt, which is exactly guided in rail channel. This toothed belt with special spacing and coating is resistant to wear and tear and free of stretching. Driving wheel and deflection roller are of high performance and non-wearing plastic and ball-bearing covered in impact-proved polyacetal cages.



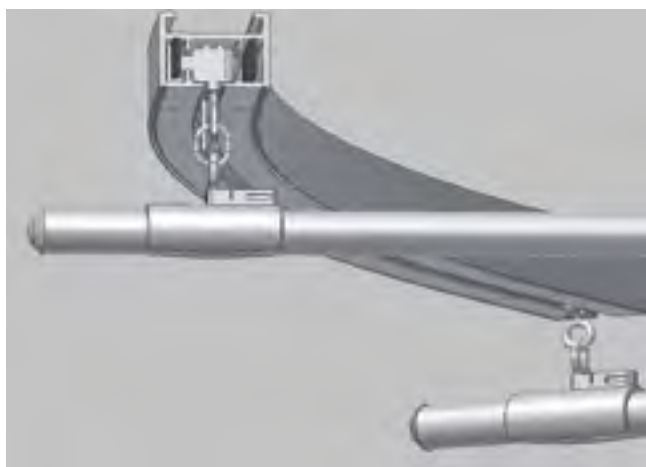
All visible plastic parts are available in white or light grey.

The traverse joint is made of rust-resistant special steel and with an eye for take up the hangers. Drive runner and safety clip are of non-wearing plastic. Two-part blinds are being supplied with the short traverse joint. Draperies close without overlapping.



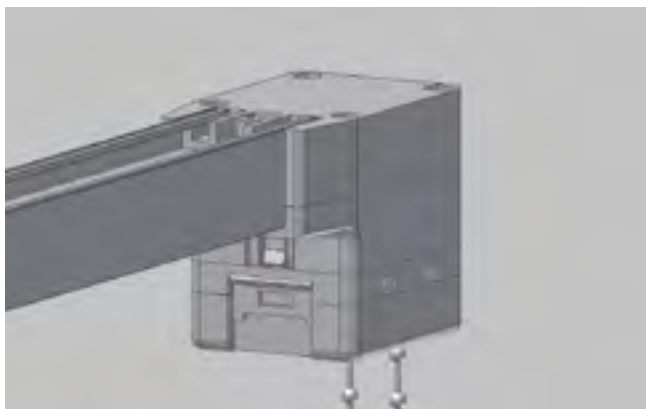
Suspension of the fabric

Carrying rods are inserted in loops which are sewn on top of the draperies. Overlapping of the draperies over centre of the rail is at 50 mm. The outer distance of the rods is 500 to 700 mm. Inwards is the drapery fixed at the central ring with hooks. The 15 mm Ø aluminium carrying rods are applicable up to 3000 mm length. Hooks are easily pressed over alu tube and fabric.



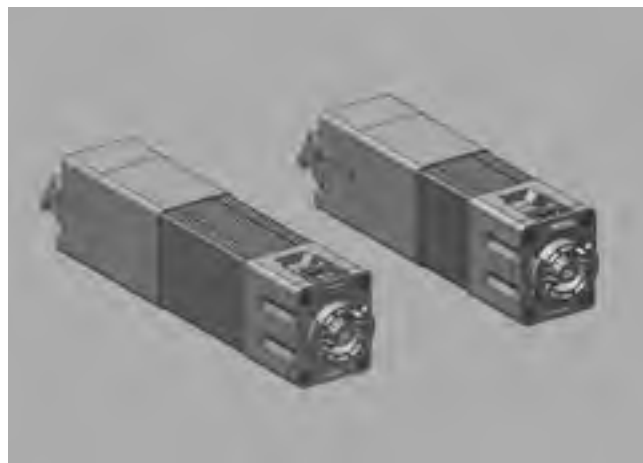
Manual operation with chain pull

Alternatively to electric operation smaller blinds up to 4000 mm Ø can be operated manually with hand drive and ball chain. Hand drive can be fixed per bayonet coupling conveniently to the rail gear, either right or left. As for the other plastic parts the colour is white or light-grey.



Electric operation

The motors are 230 V/50Hz monophase A.C. synchronous electric drives with reduction gear.



Running speed is 130 mm/second or as a speed version 190 mm/second. The motors can be placed right or left or in case of tandem motors for large blinds right and left.

Technical details electric drives:

nominal voltage	230 V	110 V	230 V	110 V
nominal power	45 W	30 W	30 W	45 W
nominal current	0,20 A	0,26 A	0,13 A	0,40 A
frequency	50 Hz	60 Hz	50 Hz	60 Hz
operating mode	S3 50%	S3 50%	S3 50%	S3 50%
direction of rotation	right+left	right+left	right+left	right+left

All motors are also available for 110 V / 60 Hz.

The end positions can be set from outside via regulating wheels at master motor. Tandem systems always dis-pose of one master and one slave motor.

The mounting of the motors at the rail gears is simply done by means of the bayonet locking (twist-lock system). Mounting position is vertical resp. right-angled to the rail.



Colours: white or light grey as rail gear colour
Accessories: coupling piece, safety clip for coupling
Protection: IP30,
only for dry rooms
Certificates: VDE/EMV/CE

Limit sizes and data at one sight

W Watt
 WS Watt high-speed version
 WT Watt tandem
 WTS Watt tandem high-speed version
 Power 45 WS equal to 30 W
 Please consider limit sizes when selecting kind of motor.
 Drapery weight maximum appr. 300 g/m²

Limit sizes

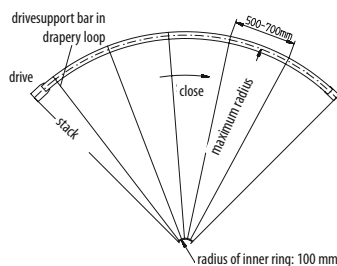
Size of blind Radius (mm)	Shape	Drapery 1/2-part	Drive
2000	semicircle	2-part	manual operation
2000	quarter circle	1 part	30 W
3000	quarter circle	1 part	45 W
2000	semicircle	2-part	45 W
3000	semicircle	2-part	45 WT

In case of intermediate sizes please consider the next higher value of the chart.

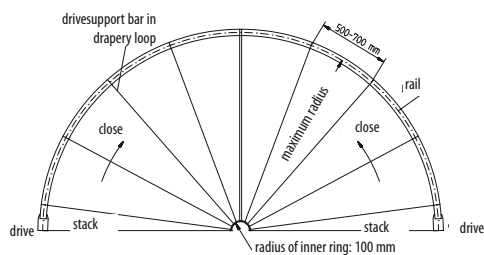
Length of blind = straight length of rail with gear, inclination of support bars up to a degree of 30° maximum on request. Other shapes on request.

Possible models:

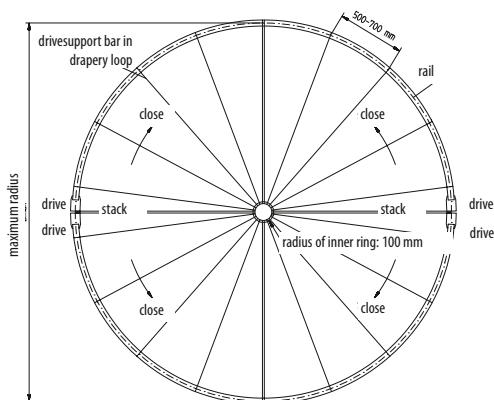
quarter circle



semicircle



full circle



Draperies

Selection of our sundrape® collection for special shading systems, other apt draperies on request.

Blind types in one-part or two-part, stack side free of choice, our recommendation: stack side = motor side.

Loop height of drapery when stacked: appr. 300 mm

Draperies with sewed seams for insertion of support bars.

Fixing of drapery edge towards wall with velcro.

Measuring instructions and information for your order

In case of round roofs, the indication of the clear glass roof diameter is sufficient. Please consider mounting possibilities of the rail at site.

Before starting the mounting, the fixing possibility of the inner ring has to be checked – especially in case of full circle systems, eventually a suspension must be taken into consideration.

In case of multi-angled glass roofs, an exact drawing may be helpful for the determination of the radius of the rail.

Please always indicate stack side and motor side.

Further information to be found on our orderform RS.

Mounting

The rails are quickly and simply mounted either on the ceiling by means of locking bolts or on the wall by means of mounting angles. The ideal distance between the locking bolts should be 600 mm. The rails are simply mounted by one turn of the locking bolt.



In case of ceiling mounting at the clear roof edge the diameter of the blind is equal to the clear diameter of the roof plus 32 mm. Instead of mounting with locking bolts, it is also possible to fix the blind with screws into a wooden frame construction. Then please take care that obstructing screw heads in the rail channel may lead to disfunction!



In case of wall mounting into the clear mounting area, the diameter of the blind is reduced due to the space consumed by the mounting angles.

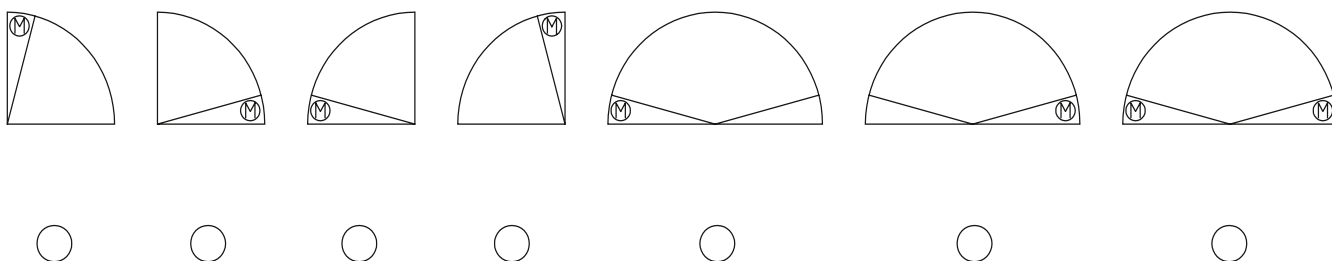
Notes

ROUND ROOF SHADING SYSTEM 5080

CORRECT MEASURING

Round shading system 5080

Driving side/stack side please mark with a cross
top view

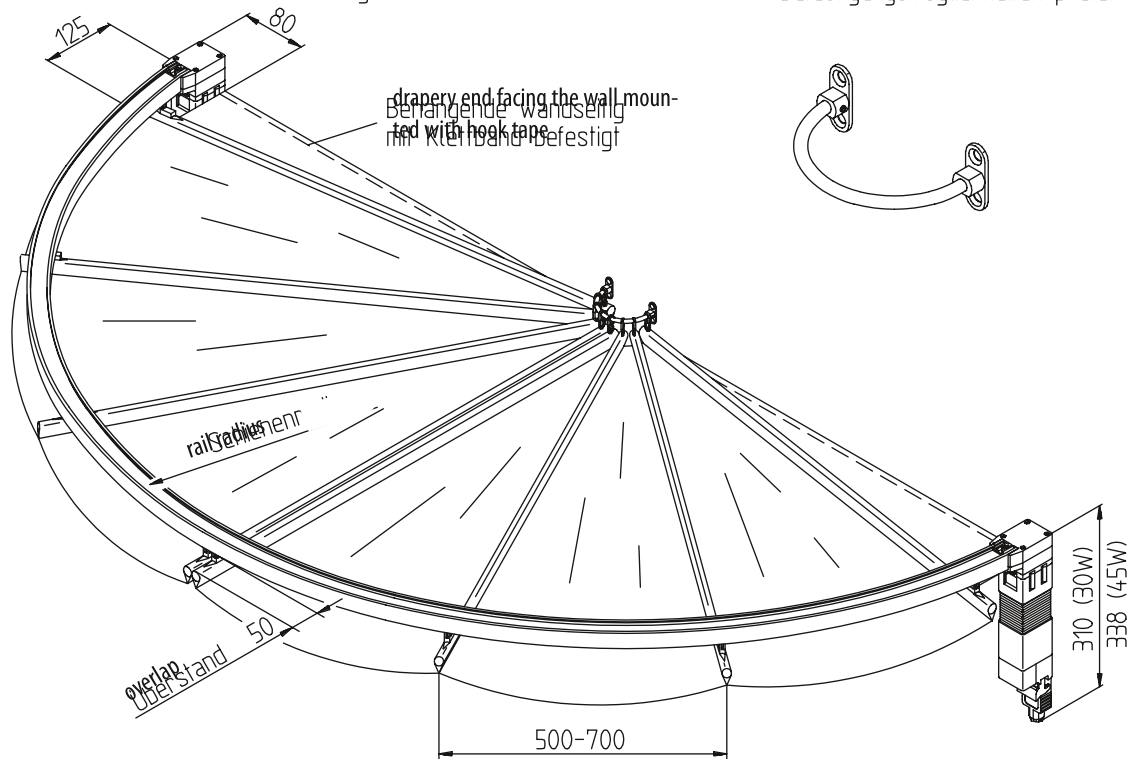


First carrier rod,
Feste Trägerstange
feststehend

drapery cutting for drive unit
Behängausschnitt für Antrieb

Internal ring R 100
Innenring Radius 100 mm
Please examine mounting possibility!
Befestigungsmöglichkeiten prüfen!

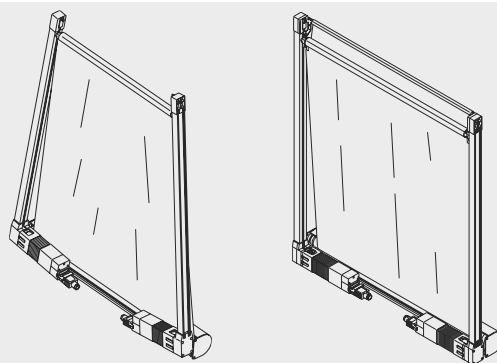
drapery end facing the wall moun-
ted with hook tape
Behängende wandseitig
mit Kleband Befestigt



Motor on top of the rail on request.

COUNTER-PULL ROLLER BLIND SYSTEM 5090 ELECTRIC CONTROL

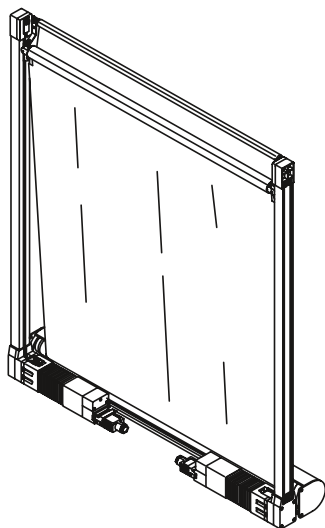
Roller blind system for rectangular
and trapezoidal glass fields up to
1800 mm width and 4500 mm length



Applications and possibilities

Large sized counter pull roller blind as sight and sun protection for commercial, living and business areas as well as in public buildings.

Application in any mounting situation: vertically, oblique or horizontally below rectangular or trapezoidal glass areas. The roller blind drapery is guided via lateral guiding rails from bottom to top or from top to bottom.



Description

The lateral aluminium guiding rails move the drapery by means of endless toothed conveyor belts, driven by 230 V/50 Hz electric motors. The traction tube is connected with the drive runners of the rails via a massive plastic traction tube adapter which is freely movable in the tube. The roller blind spring shaft with its position in an 80 mm diameter round headbox is mounted separately below the motors. The total size to be considered for mounting is 138 mm. The roller blind drapery is tensioned by the tension of the spring shaft. According to mounting position, special drapery supports (anodized aluminium tubes with a 13 mm diameter) are necessary, for example especially in case of horizontal or slightly oblique mounting. The drapery supports are screwed directly below the rails.

Due to these supports, the mounting of blinds with a size of 1800 mm width or 4500 mm length, according to chosen fabric quality, is possible in any mounting position. The roller blind drapery is moved between the guiding rails with a distance of 15 mm between left and right drapery edge and rail edge. In case of niche mounting within a frame construction, a clear distance of appr. 60 mm will remain between traction tube and frame profile when blind is closed. The optional application of a front drapery rod can reduce this distance.

Apart from rectangular shapes, trapezoidal facade elements showing a difference of blind width up to 300 mm can also be equipped as described above.

Only in case of niche mounting, additional mounting wedges are necessary in order to compensate the angle for roller blind spring shaft.

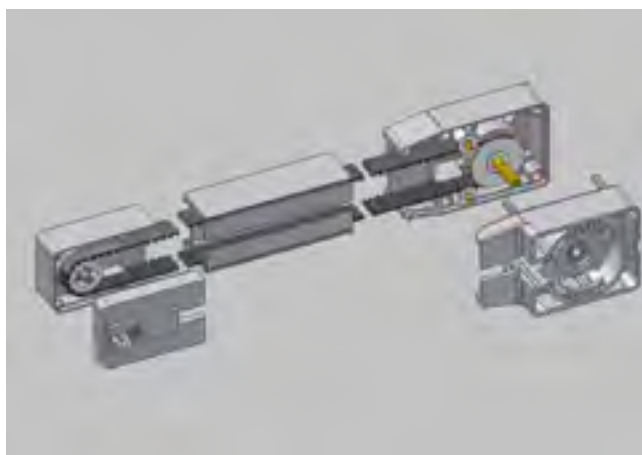
Rail profile

The measurements of the solid rail are just 26 x 32 (see illustr. M1:1). The aluminium rail surface are anodized in aluminium colour or white powder coated according to RAL 9016. Other colours can be offered on request. Guiding channels for conveyor belt and runners guarantee a particularly quiet and smooth running.

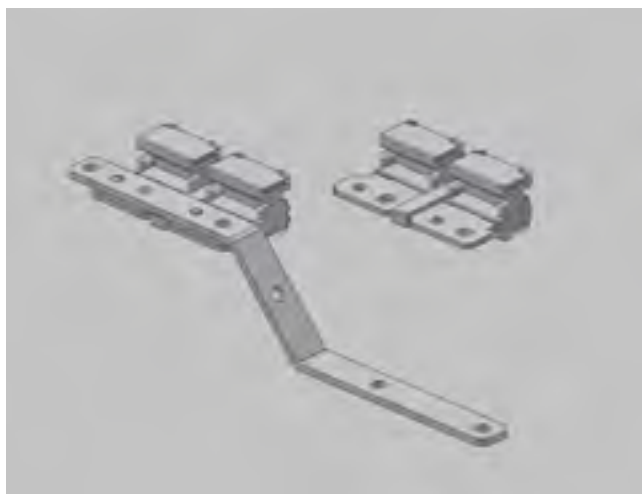


Drive components

Transport of the drapery is guaranteed by a double-side covered drive belt, which is exactly guided in rail channel. This toothed belt with special spacing and coating is resistant to wear and tear and free of stretching. Driving wheel and deflection rollers are of high performance and non-wearing plastic and ball-bearing covered in impact-proved polyacetal cages.



All visible plastic parts are available in white or light grey. The drive runners are made of rust-resistant special steel and connect the guiding rail with the traction tube of roller blind spring shaft. Glider of drive runner and safety clip are made of non-wearing plastic.



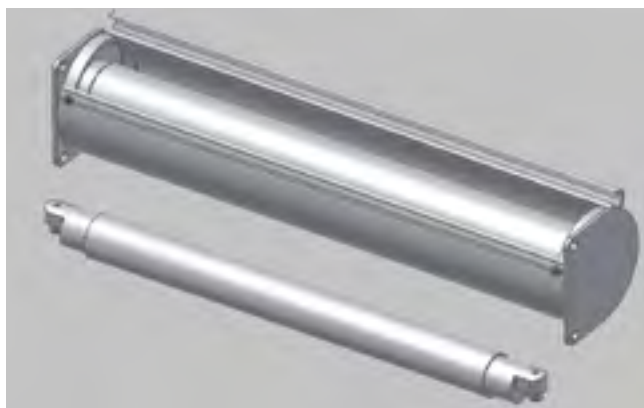
Roller blind draperies

We recommend the fabrics from our sundrape® roller blind collection or similar fabrics with a weight up to 300 g/m^2 . A small choice which we especially recommend is also part of the sundrape® collection for special shading systems. Other fabrics on request.

On application of blackout fabrics, please consider that a complete blackout cannot be achieved.

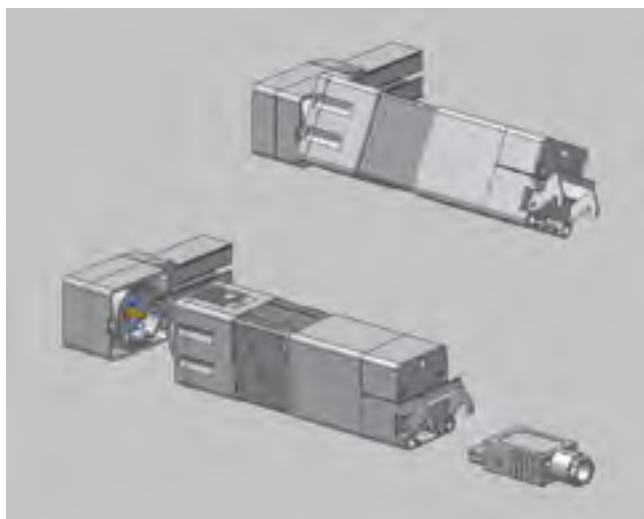
The traction loops of the fabric are double-stitched. In case of roller blinds exceeding the available running width of the fabric, traverse seams are possible.

The roller blind draperies are tensioned by the tension of the roller blind spring shaft. The round covering protects the drapery from dirt.



Electric operation

The motors are 230 V/50Hz monophase A.C. synchronous electric drives with reduction gear in tandem version. Running speed is 130 mm/second. One motor per rail is fixed vertically referring to rail aperture at rail gear by means of bayonet locking. The motors are placed on the covering of the roller blind spring shaft. A smooth sili-cone profile cares for the noise reduction.



Technical data electric drives

Nominal voltage	230 V	110 V
Nominal power	45 W	45 W
Nominal current	0,20 A	0,40 A
Frequency	50 Hz	60 Hz
Duty cycle	S3 50 %	S3 50 %

All motors are also available for 110V/60Hz.

The end positions can be set from outside via regulating wheels at master motor. Tandem systems always dis-pose of one master and one slave motor. If necessary, the connection cable of the second motor can be guided in the cable channel of the cover profile. Colours: white or light grey as rail gear colour.

Accessories: Coupling piece, safety clip for coupling.

Protection: IP30,
only for dry rooms.

Certificates: VDE/EMV/CE

Control elements and operation

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 unit and/or brightness control.

Indectly apt for BUS control systems.

Measuring instructions and information for your order

Rectangular shape:

Length of blind = clear length – 15 mm

Width of blind = clear width

Round headbox: clear width – 2 mm

Trapezoidal shape:

Length of blind = clear length D – 30 mm,
depending on difference in width.

Width of blind = clear width.

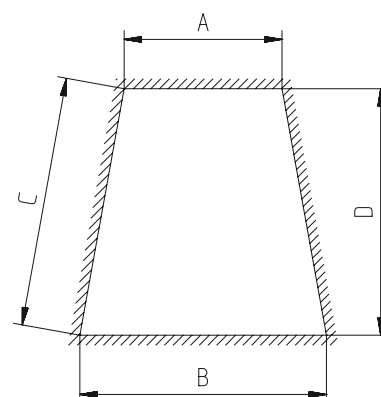
Round headbox roller blind:

width depending on difference in width. Additional mounting wedges must be taken into consideration!

Difference in width A-B
maximum 300 mm.

Width A minimum 600 mm.

Further information on our
order form GR.



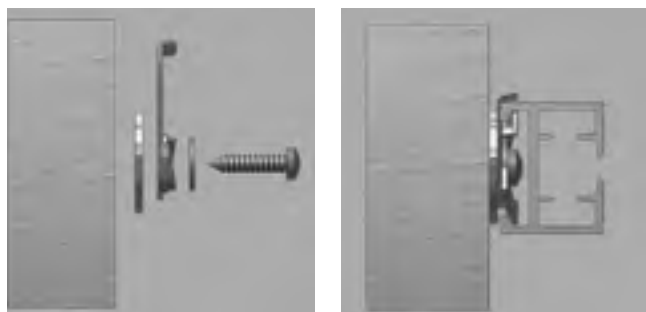
Limit sizes

Length of blind (mm)	Width of blind/drapery weight (mm)	
	up to 150 g/m ²	up to 300 g/m ²
1000	1800	1800
1500	1800	1700
2000	1700	1600
2500	1700	1600
3000	1600	1500
3500	1600	1500
4000	1500	1400
4500	1500	1400

In case of intermediate sizes, please consider value of next chart row.
In case blind width exceeds running width of fabric, transversal hems occur.
Electric tandem drive 45 WT, other model sizes on request.

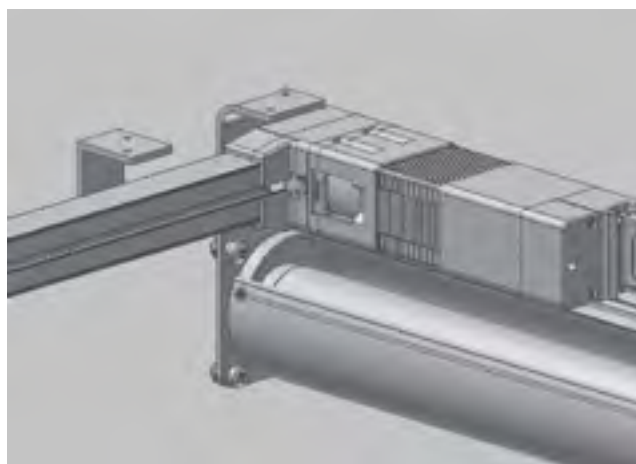
Mounting

The rails are quickly and simply mounted either on the wall/niche by means of locking bolts or on the ceiling by means of mounting angles and locking bolts. The ideal distance between the locking bolts should be 600 mm. The rails are simply mounted by one turn of the locking bolt.



It is also possible to fix the rail with screws directly onto a wooden frame construction base. Please consider that obstructing screw heads in the rail channel may lead to mal function!
Roller blind spring shaft is screwed via the end caps of the round headbox on frame base construction at wall or niche side.

In case of ceiling mounting the headbox is suspended with special, extra mounting angles.

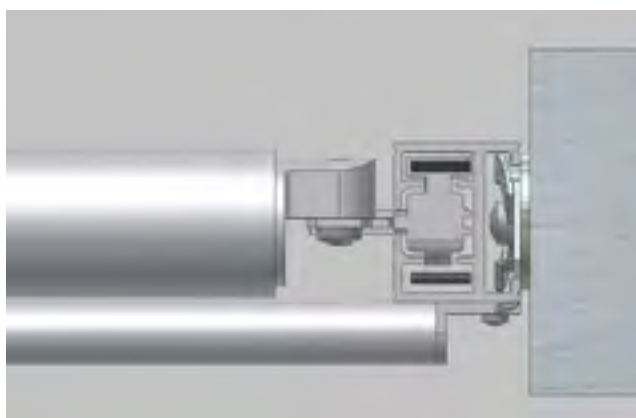


Round headbox with roller blind spring shaft for ceiling mounting:



Drapery support rods

Depending on mounting position and length of blind, one to three additional drapery support rods are applied. The recommended position for these drapery supports is below the transversal stakes of the facade.



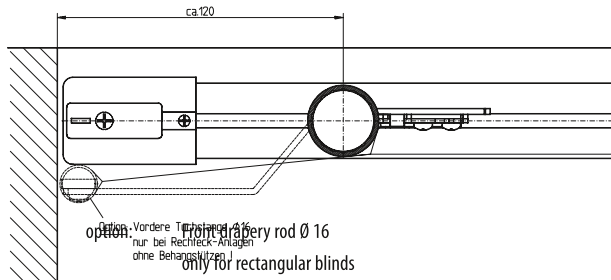
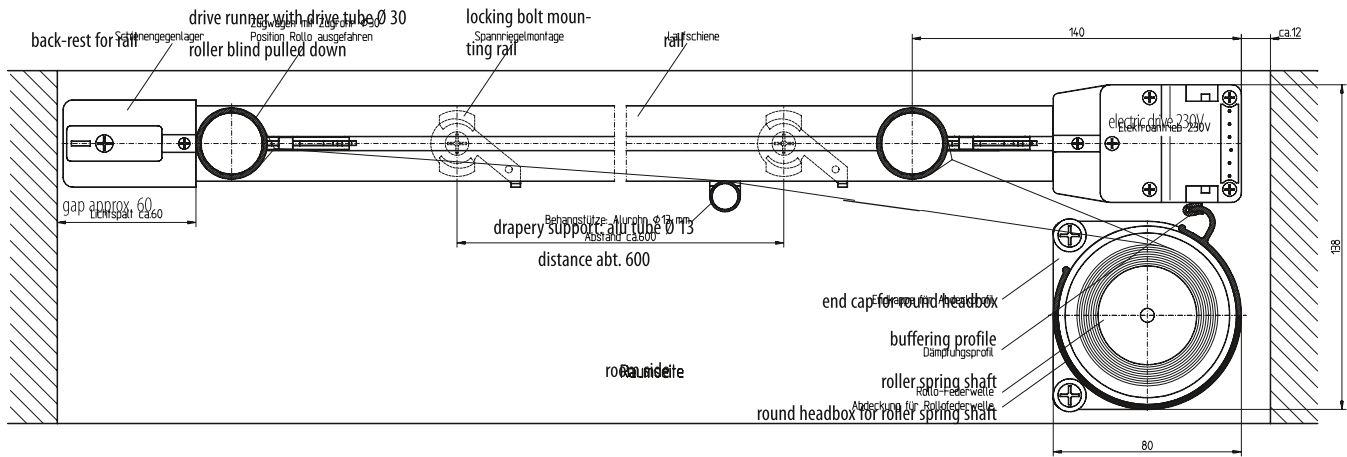
Fixing to be done below guiding rail.

Notes

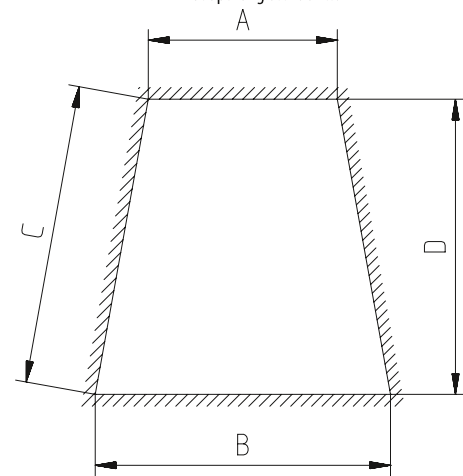
COUNTER-PULL ROLLER BLIND SYSTEM 5090

CORRECT MEASURING

Mounting situation ceiling mounting between framing



only for rectangular blinds
without drapery support!
Not apt for glass fabrics.



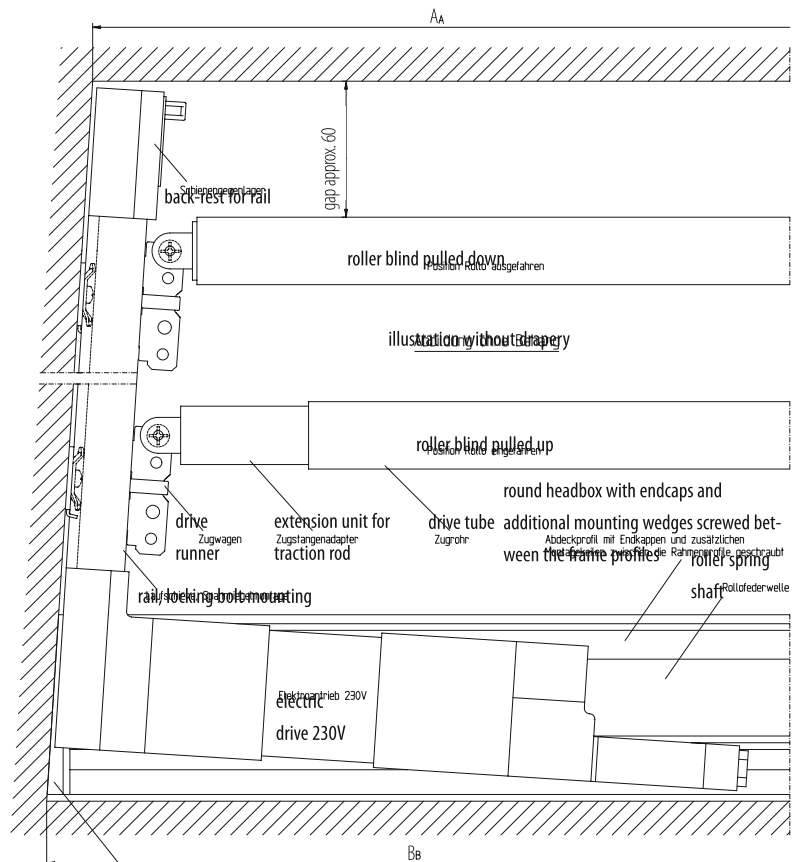
A = _____
B = _____
C = _____
D = _____

drapery support: alu tube Ø 13 mm

use not with front drapery rod
Behangstütze: Alurohr Ø 13 mm
Einsatz nicht mit vorderer
Tuchstange!

drapery support

screwed into the rail
Laufschiene
angeschraubt



For mounting into frame structure additional mounting wedges are required!

Measuring instructions

Rectangular system:

System width = clear width

System length = clear length - 15 mm

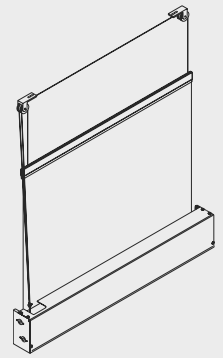
Trapezoidal system (symmetric): measures A, B must be indicated, A = min. 600 mm – measures C, D on choice

Attention: width differences A - B at a maximum of 300 mm practicable wall-/nichemounting of roller shaft with additional

mounting wedges

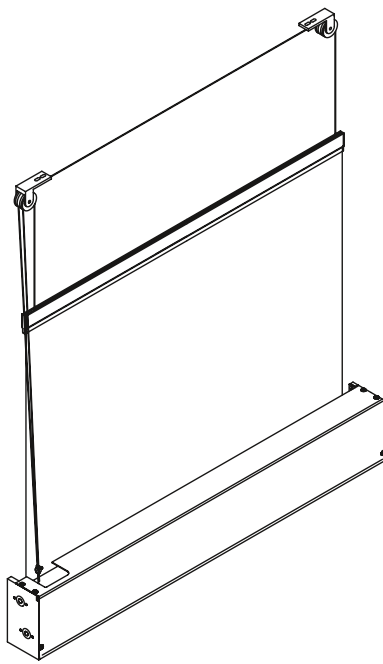
COUNTER-PULL ROLLER BLIND SYSTEM 8900 ELECTRIC CONTROL

Roller blind system for rectangular
glass fields up to 1800 mm width
and 4000 mm height



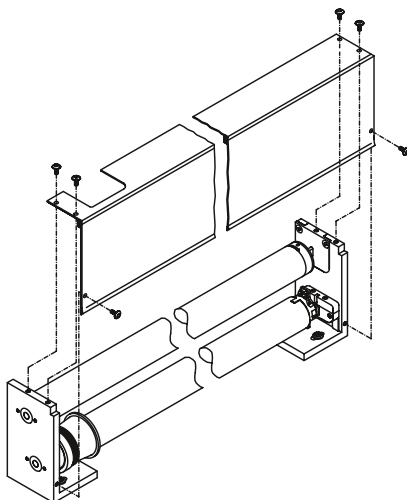
Applications and possibilities

A counter pull system for indoor sight and sun protection for vertical, rectangular glass areas in business as well as in public and office buildings. The drapery is being pulled through ropes over deflection rollers from bottom to top. The limit sizes are from a minimum width of 600 mm up to a maximum of 1800 mm. The maximum height is at 4000 mm, depending on the drapery quality.



Description

The counter pull roller blind 8900 consists of two lateral solid aluminium mounting supports with two shafts between them, which are being bedded in plastic bushes for low-noise running. The roller blind spring shaft at the top cares for the necessary drapery tension for this system, the drive shaft beneath with a tube motor 230V/50Hz winds the rope constantly via winding cone up and down and so moves the roller blind drapery.



The ropes are being guided on the top via aluminium pillow blocks with needle-bearing plastic deflection rollers which avoids that the ropes jump off the rolls. The drive unit with the two roller blind shafts is covered by profiles towards the room.

All aluminium parts are naturally anodized E6/EV1 or white powder coated RAL 9016. Other coatings according to RAL are also available on request.

The plastic parts are white and the ropes are Ø 1,6 mm, black, plastic coated.

Roller blind drapery

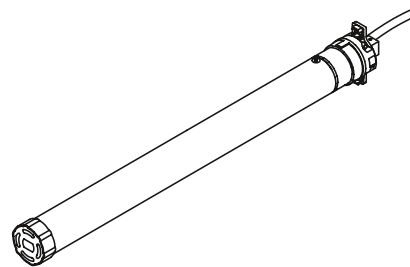
Suitable are fabrics of the sundrape® roller blind collection or comparable qualities up to 0,30 mm thickness. Also the sundrape® special shading systems collection contains a choice of especially recommended fabrics. Other drapery qualities on request.

The roller blind draperies are not being produced with cross-seams. So the maximum roller blind width depends on the fabric width.

On using black out fabrics only dim out is being achieved, because of a distance of about 30 mm between drapery end and blind width.

Technical details electric drive

nominal voltage	230 V/50 Hz
nominal power	130 W
nominal current	0,58 A
nominal load torque	3 Nm
nominal speed	30 revolutions per minute (rpm)
switch-off range	29 revolutions
protection	IP 44
certificates	VDE/EMV/CE



Control elements and operation

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 unit and/or brightness control.

Indirectly apt for BUS control systems.

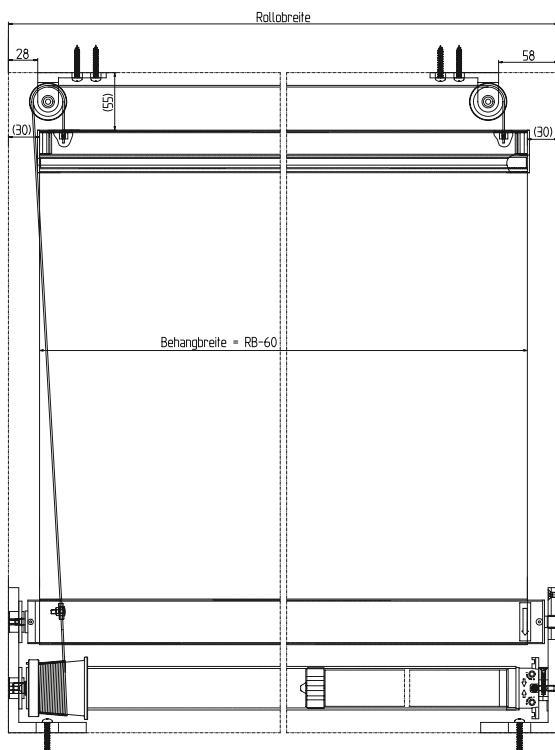
Measuring instructions and information for your order

niche mounting:
blind's height = clear height
blind's width = clear width - 2

Mounting

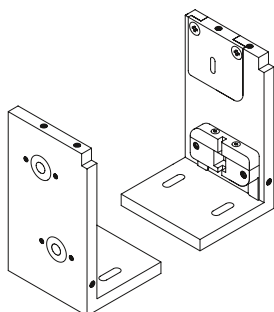
The mounting supports are being screwed on the bottom or towards the niche adjustable with two elongated holes. The mounting depth of the blind is at 80 mm. The deflection rollers are also being screwed towards the ceiling, adjustable via elongated holes. A clamp connects pulling rope and winding wire.

niche mounting:
view towards the room without cover profile
(roller blind width / drapery width)



Mounting supports

The solid mounting supports are made of extruded aluminium angle profile.



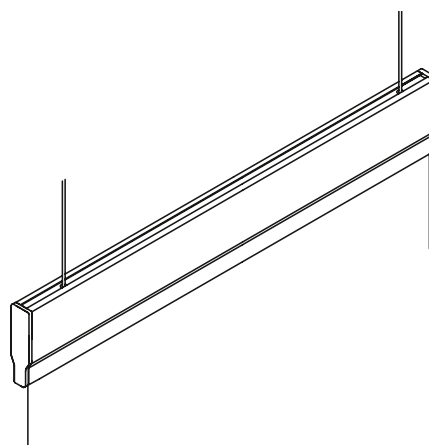
The measurements are 75 x 138 x 80 mm. Polyacetal slip bearing guarantees low-noise running.

The roller blind spring shaft is being tensioned by a pretension element in the mounting support on the driving side.

The motor is always mounted on the right side. The cover profiles are screwed onto the mounting supports.

Pulling bar

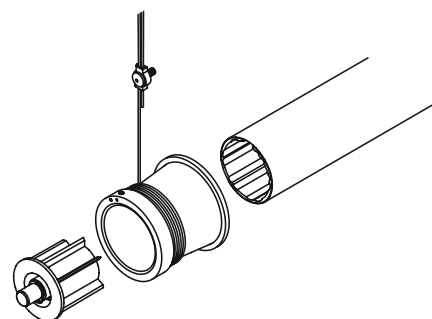
The pulling bar of extruded aluminium takes up the drapery with an aluminium flat bar. The fabric is being turned up twice to warrant fixing while pulling the bar. The measurements of the profiles are 41 x 11 mm.



The ropes are being fixed to pulling bar with rope clips, invisibly in hollow space of the pulling bar. Profiles are with end caps.

Drive shaft with winding cone

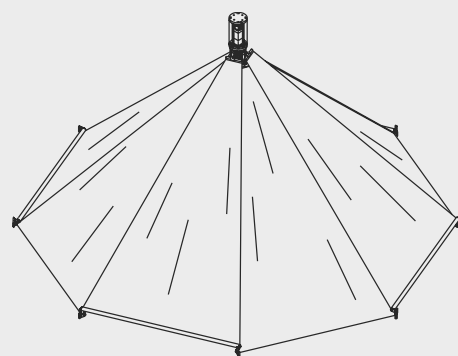
The roller blind shaft of extruded aluminium is equipped with a special inner profile for form-fit motor adapting. The motor coupling does not need rivets.



The winding cone is being clamped at the the non-driving side shaft's end with antitwist protection and guarantees for controlled rope unwinding.

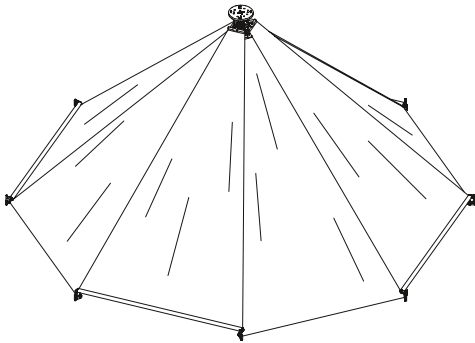
PYRAMID SHADING SYSTEM 9000

4-angle-pyramid
6-angle-pyramid
8-angle-pyramid
10-angle-pyramid
12-angle-pyramid



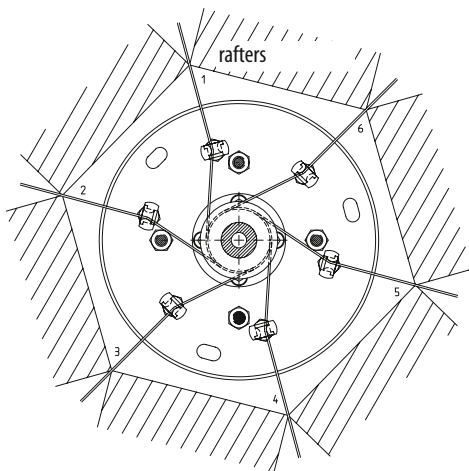
Applications and possibilities

Indoor sight and sun protection for regularly shaped pyramidal or cone shaped glass roofs with an inclination between 20° and 50° referring to horizontal line. The roller blind draperies are wind and unwind via a central wind gear drive with ropes from bottom to top.

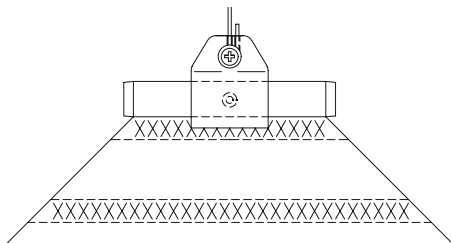


Description

Several triangle shaped drapery segments placed within a polygonal basic area are moved simultaneously by means of a wind gear drive mounted at the top of the roof.

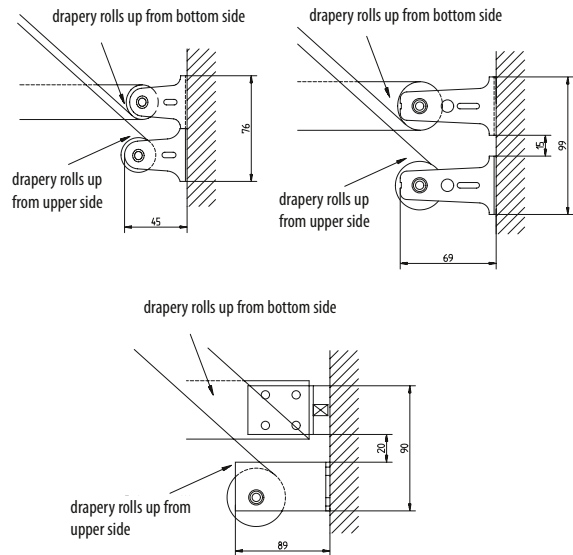


The roller blind draperies are wind up on spring shafts with different diametres – depending on model and size of the blind. The tension of the springs supplies the necessary tensioning of the drapery segments.



A solid aluminium fixing piece for traction tube is fixed at each single drapery segment. This fixing piece is at the same time the fixing device for the ropes.

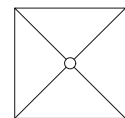
The ropes are wind up simultaneously on one wind shaft.



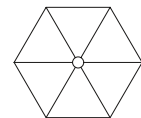
The roller blind spring shafts are mounted with sheet steel supports in vertically staggered positions. The drapery segments wind up or down either roomwards or roofwards, seen from shaft. A slight overlap of the single segments is achieved.

Models

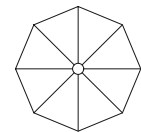
Rectangular pyramid shading system:
Edge length and roller blind spring shaft length
maximum 3000 mm



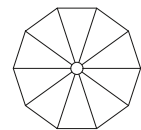
Sexangular pyramid shading system
Roller blind spring shaft 25 or 35 mm
Edge length up to 1500 or 2000 mm
Glass roof diametre up to 4000 mm



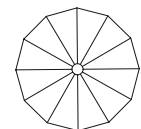
Octangular pyramid shading system:
Roller blind spring shaft 25 or 35 mm
Edge length up to 1500 or 2000 mm
Glass roof diametre maximum 5200 mm



Decagonal pyramid shading system:
Roller blind shaft 25 or 35 mm
Edge length up to 2000 mm
Glass roof diametre maximum 6000 mm



Dodecagonal pyramid with shading system:
Roller blind shaft 35 mm
Edge length maximum 2000 mm
Glass roof diametre maximum 6000 mm



Maximum dimensions depending on applied roller blind shafts, the degree of inclination of the glass roof and the length of unwind extension.

Roller blind draperies

We recommend the fabrics from our sundrape® roller blind collection or similar fabrics with a weight up to 300 g/m². A small choice which we especially recommend, is also part of the sundrape® collection for special shading systems. Other fabrics on request.

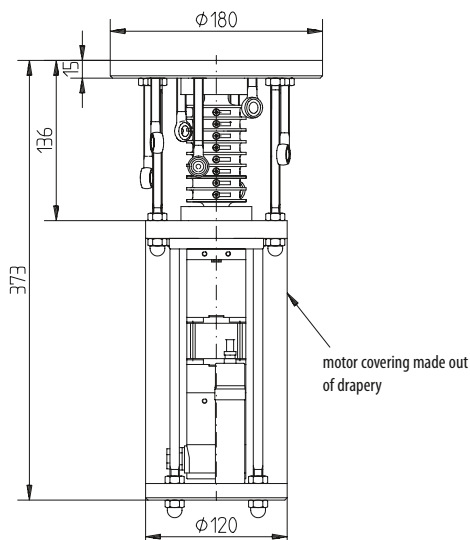
On application of blackout fabrics, please consider that a complete blackout cannot be achieved.

The traction loops of the fabric are double-stitched. In case of roller blinds exceeding the available running width of the fabric, traverse seams are possible.

Wind gear drive

The wind gear drive is motorized with a monophase – alternating current motor 230 V/50Hz/115 W with a nominal load torque of 10 Nm. The wind gear drive with a spool for each rope is ball beared and winds up all ropes simultaneously. The deflection of the transparent, plastic covered ropes to the drapery segments is reached by means of circularly positioned eye screws with ceramic channels for the guiding of the ropes.

The wind gear drive is mounted vertically downwards in the middle of the top of the roof. The recommended position of the motor below the wind shaft guarantees a nearly parallel inclination of the drapery segments



according to the inclination of the roof. The limit switches of the motors can easily be set via an easy-to-adjust cam limit switch. The motor is available with a perfectly fitting covering made of blind fabric on request.

Control elements and operation

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 unit and/or brightness control.

Indirectly apt for BUS control systems.

Measuring and order details

The drawn measures with indication of the number of segments are necessary in order to determine the mounting situation for the pyramid shading system.

Width A: clear width

Width D: clear diameter in case of round roofs

Width E: width of segments, roller blind spring shaft

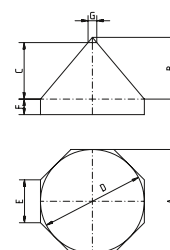
Width G: diameter of mounting site

Height B: clear height until top

Height C: clear height until mounting site

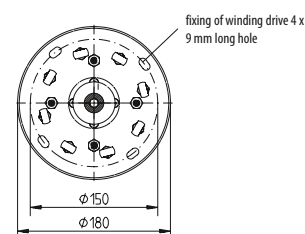
Height F: clear height below inclination.

The mounting site must show a space for a flange with a 180 mm diameter. the roller blind spring shafts are to be mounted at the straight part of the light well. Necessary height: at least the double height of the roller blind support height. The inclination angle of the oblique roof must show a degree between 20° and 50°, seen from the horizontal line

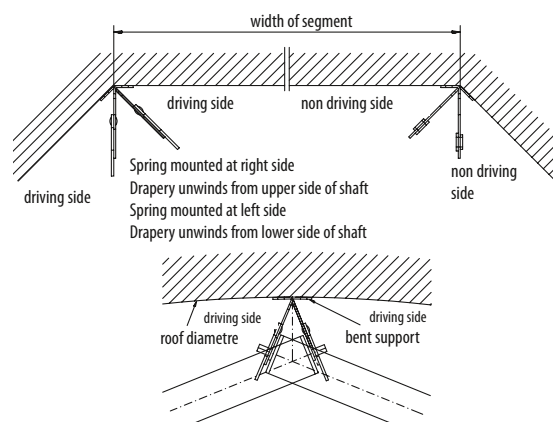


Mounting

Example mounting of mounting flange for an octagonal pyramid shading system at the top of the roof:



Sheet steel supports for roller blind spring shafts are mounted flush into the corners of the mounting frame construction, namely two supports of driving side or two supports of non-driving-side below each other, please see also chapter "description".



PYRAMID SHADING SYSTEM 9000 LIMIT SIZES

Limit sizes

Maximum length roller blind spring shaft corresponds to width of drapery segment

Diameter 25 mm: 1500 mm

Diameter 35 mm: 2000 mm

Diameter 42 mm: 3000 mm

Maximum extension length of roller blind spring shaft:

Diameter 25 mm: 2300 mm

Diameter 35 mm: 3000 mm

Diameter 42 mm: 3800 mm

Components single roller blind

1 roller blind spring shaft, diameter 25, 35 or 42 mm

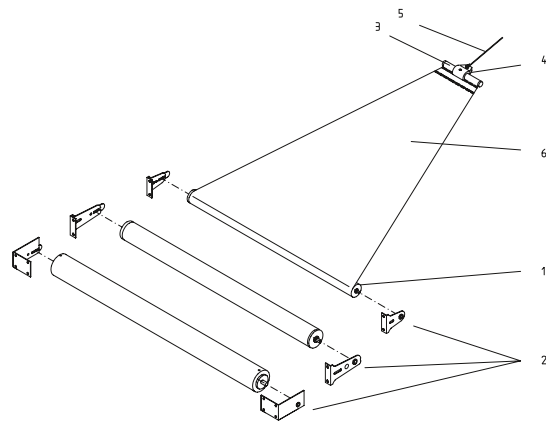
2 sheet steel support – set for roller blind spring shaft, diameter 25, 35 or 42 mm

3 traction tube with end stopper

4 fixing device for traction tube with rope fixing device

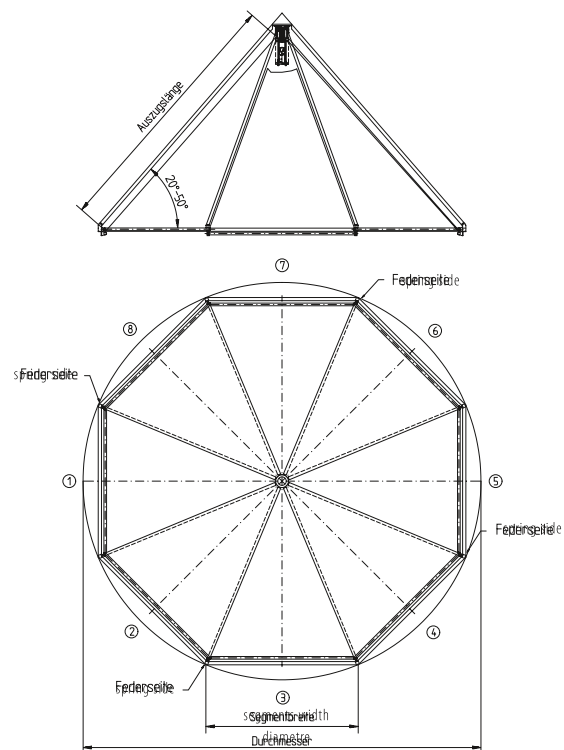
5 rope

6 drapery segment



Octangular pyramid shading system

Number of segments	Diameter roller blind shaft (mm)	Inclination of roof (degree)	Maximum dimension of glass roof (mm)
4	42	20-50	3000 x 3000
6	25	20-50	Ø 3000
6	35	20-50	Ø 4000
8	25	20	Ø 3900
8	25	25	Ø 3900
8	25	30	Ø 3900
8	25	35	Ø 3900
8	25	40	Ø 3900
8	25	45	Ø 3600
8	25	50	Ø 3300
8	35	20	Ø 5200
8	35	25	Ø 5200
8	35	30	Ø 5200
8	35	35	Ø 5200
8	35	40	Ø 5000
8	35	45	Ø 4700
8	35	50	Ø 4300
10	35	20	Ø 6000
10	35	25	Ø 5800
10	35	30	Ø 5600
10	35	35	Ø 5300
10	35	40	Ø 4900
10	35	45	Ø 4500
10	35	50	Ø 4100
12	35	20	Ø 6000
12	35	25	Ø 5800
12	35	30	Ø 5500
12	35	35	Ø 5200
12	35	40	Ø 4800
12	35	45	Ø 4500
12	35	50	Ø 4100



Panel 360

Vertical Large Area Shading Solution.



The System

Panel 360 – is the new solution that allows the movement of large panels just as easily as a vertical blind. While panel shading systems are a popular way of shading – their main disadvantage is that they are not able to follow the sun or provide partial shading. Panel 360 is far more than an ordinary panel system – it is a complete new solution that offers unique possibilities.

The Panels can turn a full 360 degrees and in combination with an intelligent control system can follow the movements of the sun.

Panel sizes of up to 700 mm x 4500 mm.

Panels are transported in 90 degree position for compact stack.

Runners and components are optimized for large panel sizes.



Panel 360 - Motorized Tilting Panel System

Panel 360 – the only solution that allows the movement of large panels just as easily as a vertical blind. While panel shading systems are a popular way of shading – their main disadvantage is that they are not able to follow the sun or provide partial shading. Panel 360 is far more than an ordinary panel system – it is a complete new solution that offers unique possibilities.

The Panels can turn a full 360 degrees and in combination with an intelligent control system follow the movements of the sun.

Panel sizes of up to 700mm x 4500mm (width x height)

Panels are transported in 90 degree position for compact stack

Runners and components are optimized for large panel sizes.

High Quality with Clever Details

Panels of this size need the right technology for operation. The Panel 360 System is a complete new development that has been designed for architectural solutions. The runners and all other components are produced of high quality materials and have been extensively tested to ensure proper operation for many years. The panels are held in position with a special connection that allows to detach or attach them with a simple twist. An important detail in particular when it comes to cleaning or maintenance of the area where the system is installed.

Motorized with Quality made in Germany

The preferred choice for operation of this solution is motorized. We are using high quality made in Germany motors. Based on a synchronous motor (brushless – no „wear off“ parts) this allows to open and close several systems at exactly the same speed. Motors can be positioned on top of the rail or behind the rail.

Panel 360 and Double Glass Facades

Double facades have been becoming a popular choice in particular for office buildings – but a special technology for shading had been missing. Typical interior shadings had been put there in the past – providing solutions that could not fulfill all functional and aesthetic demands.

The Panel 360 System had the double facade in mind when being developed and provides a superior solution. The size of the panels in combination with the double facade creates a harmonic view that can fulfill even high architectural expectations. It also allows a precise control of the sunlight inside the wall by full 360 degree rotating panels.

It is a worry-free solution that allows removal of the panels for maintenance or cleaning in an easy way – just take them off. The twist system will fix the panels in exactly the right position afterwards – what feels like magic is the patented system for fixing the panels.

Technical Data

Maximum panel height	4500 mm
Maximum panel width	700 mm
Maximum Rail length	7.000 mm
Maximum panel weight	4 kgs / Panel
Rail size	45x36mm and 47x51mm
Rail colours (standard)	white, aluminium anodized , black
Motor power consumption per rail	2x 30 Watts
Motor colours (standard)	white, grey, black
Approvals / Zulassungen	CE

Skyglide

Large Area horizontal shading solution.



The System:

Skyglide – is the new system from Trietex for covering large roof areas. It is a very cost effective solution due to its time saving design. Beside the normal curtain track components only a few additional parts are necessary.

Key specifications:

- Suitable for even big systems with lengths of 7m and widths of up to 5m.
- Extreme rigid rail used as cross bar – stays even at dimensions of over 4m.
- The fabrics can be fixed on the cross bar by sewn in keder or without sewing by using a self-adhesive keder.
- Very fast to assemble.
- Possible to adapt at site.
- Rail opening can be placed to the center or to the bottom.
- Motors can be placed up, down, inside, outside.
- Using proven synchronous motors with exact parallel movements.
- Special holder of the cross bar allows to compensate for lack in parallelity of up to 2 cm.
- A thin cord with plastic elements allows flexible sizing of "waves".
- Can be used in combination with a slight curve or a sloped solution up to 30°.
- A special two exit gear can be used to allow the use of only one motor with solutions up to 2m width (Option 1 only)

Sloping Applications



Article SGL Holder comes with two positions to fix. One to place the cross bar very close to the side rails. And a second to place the cross bar with sufficient distance to make up to 45% slope. The system is not designed for sloping more than that and this item can only be used with mounting option 1.

Mounting Options



Option 1 - Motors facing sideways, rail opening sideways.

Option 2 - Motors facing up or down and rail opening to the bottom using curtain track runners.

Colorado

Large Area horizontal shading solution.



The System:

Skyglide – is the new system from Trietex for covering large roof areas. It is a very cost effective solution due to its time saving design. Beside the normal curtain track components only a few additional parts are necessary.

Key specifications:

Suitable for even big systems with lengths of 7 meters and widths of over 4 meters.

Extreme rigid rail.

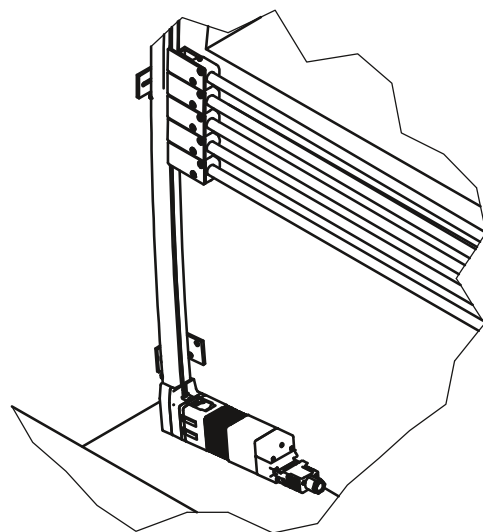
No sewing necessary.

Very fast assemble.

Rail opening can be placed to the center or the bottom.

Motors can be placed up, down, inside or outside.

Well guided. Guide wires or side channels help keeping the fabrics in place.



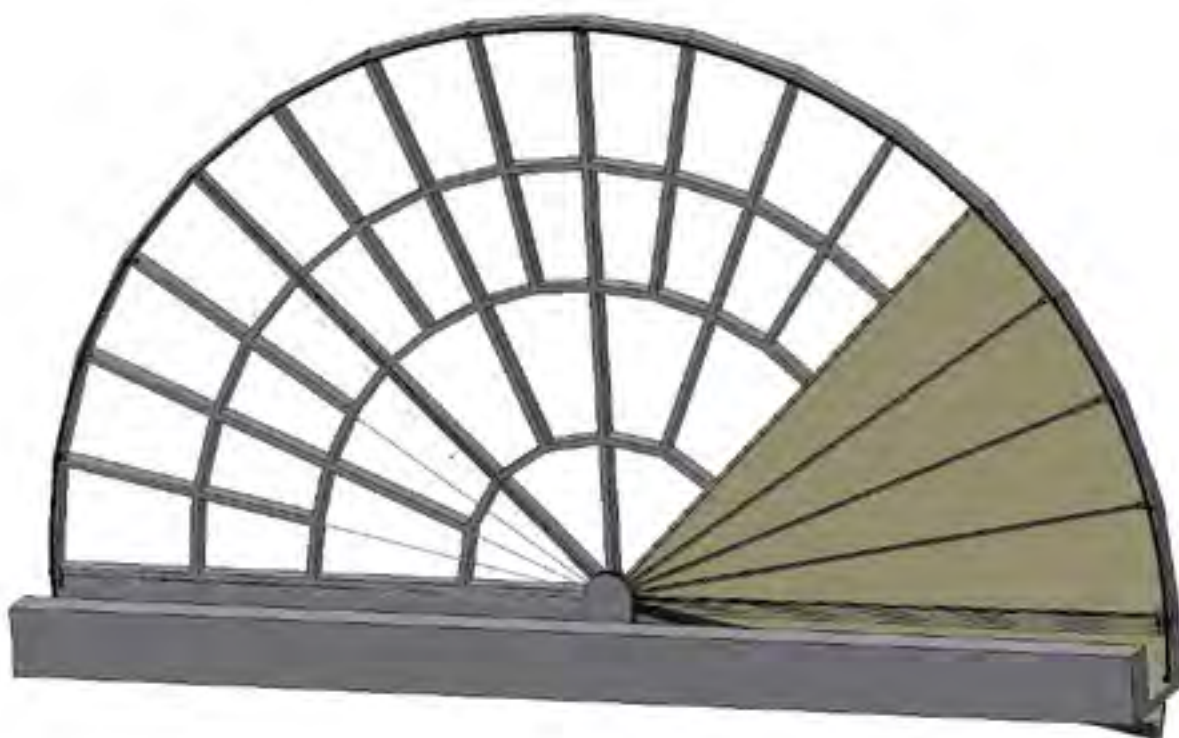
Configurations.

Rail openings can be configured facing direction towards the center for diameters 5-6m or facing either inwards or outwards the window for all diameters.

Different motor capacities available depending on system size and fabric weight.

Circular segments can vary from 45 to 360 degrees.

Rail profile available in standard colors white, grey and black. Special colors on request.



Roller Blind XL

Large Area Roller Blind Solution.



Roller Blind XL – goes beyond the ordinary in large scale roller blinds. Dimensions of up to 4m in width and up to 13m in height are possible.

Key specifications:

Large area roller blind for up to 4m width and 13m height.

Very rigid design for worry free operation.

80mm tube for minimum deflection.

Lateral adjustment on drive and idle side.

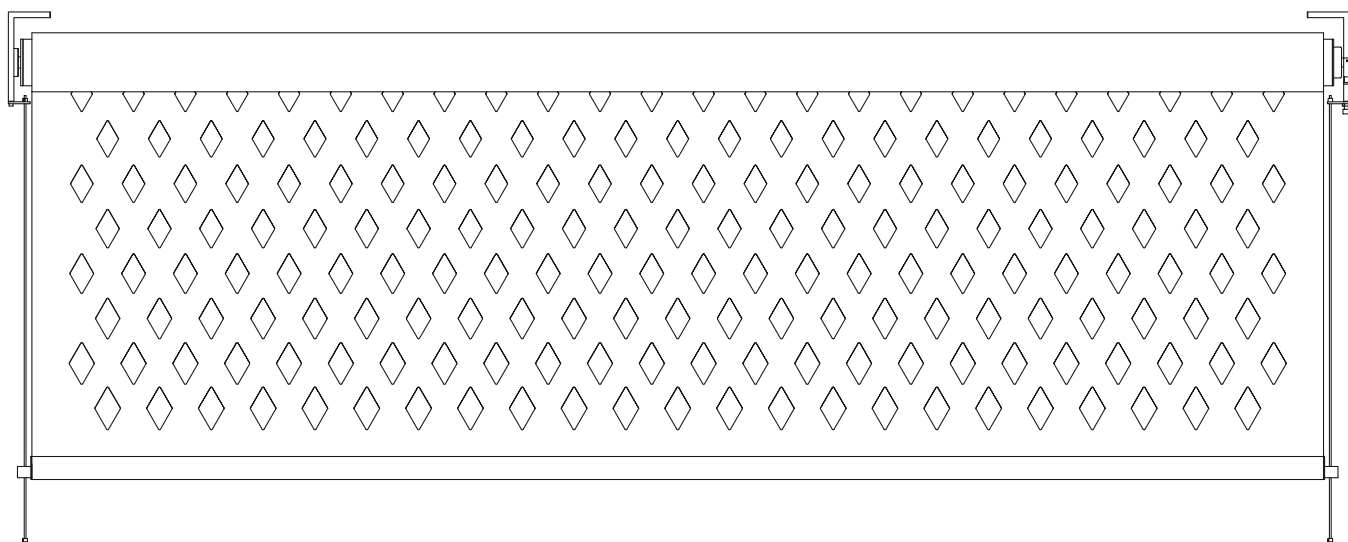
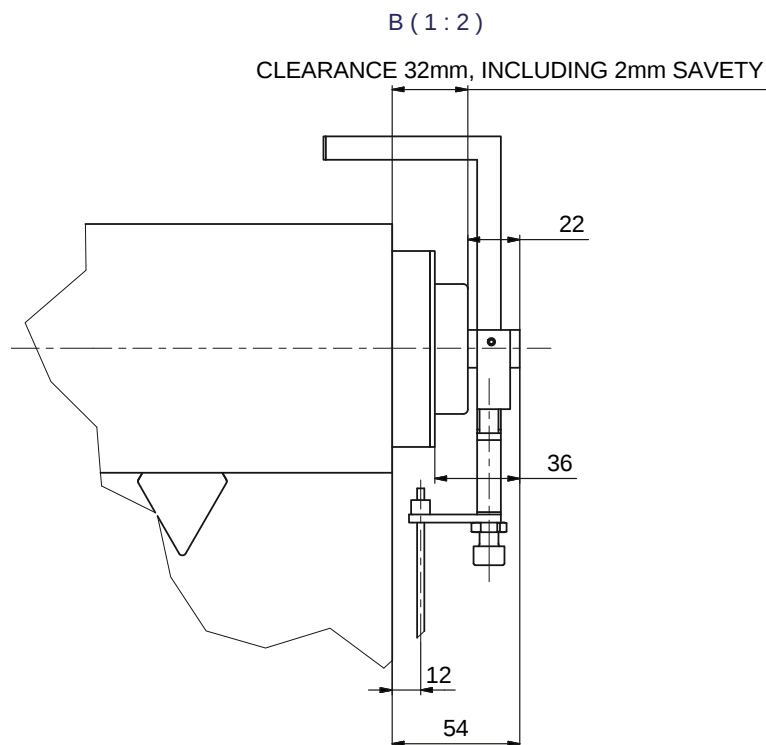
Different motor options available.

Wide range of fabrics available.

Small light gap of 32 mm.

Design can be customized.

Solid metal brackets.



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