

Exclusive Sun Sails

from the yachting experts



sunfurl.eu

Sun Sail Highlights 2025

Experience the possibilities of high-quality sun sails



**Individual
high quality
Sun Sails**

**Proven
technology
from sailing**

Over 50 years of experience in yachting

Over 20 years of experience with shade sails

Innovative sun sails in sailmaker quality

BARTELS has been producing furling and reefing systems for sailing yachts from well-known shipyards around the world for over 50 years. We have been successfully using this experience for more than 20 years for the development and production of our SunFurl sun sail systems.

Our offer ranges from simple systems, in which the sun sail is manually furled in and out between a jib furler and a swivel, to electrically operated systems with wind monitors and radio control.

SunFurl sun sails are individually planned and made from high quality materials by experienced sail makers. With all sun sails you can enjoy sun protection with a feel-good atmosphere for you, your family and your guests.

Flexible solutions for beautiful shade

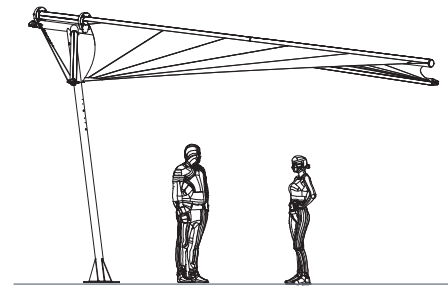
Whether you are looking for sun protection for the outdoor area of a restaurant or would like to shade a private terrace or balcony: BARTELS offers you high-quality sun protection with its SunFurl sun sails. Our shading solutions conjure up maritime flair on your terrace.

For gastronomy, we offer individually planned sun protection, rain protection and privacy protection for areas of up to 100 m² with just four fasteners. Sun sails offer more sun protection than an awning or parasol can. They can be furled up manually or electrically, or they can be tightly clamped.

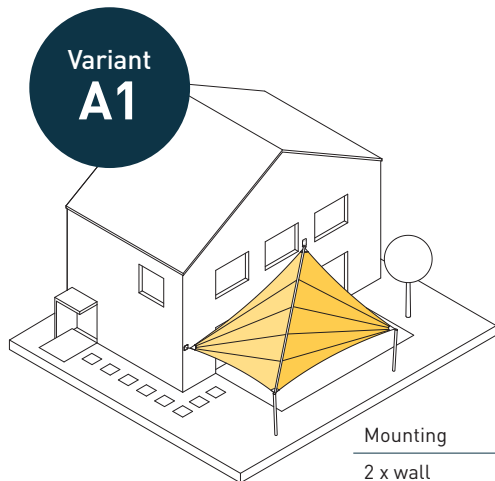
Fixed systems, in combination with a mesh fabric sail (SolMesh 340), offer the ideal solution for day-care centers and schools.

Configuration variants

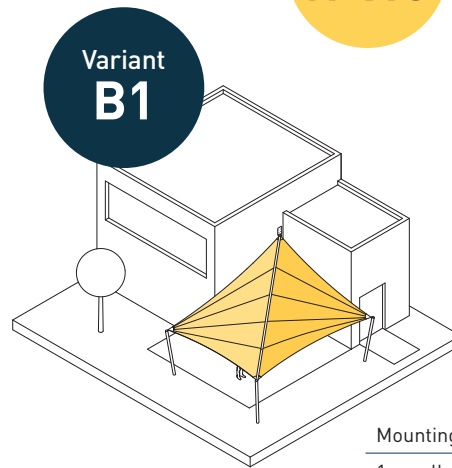
SunFurl systems offer versatile options in drive type, tensioning technology, sail area, and materials. The overview and matrix make it easier to choose the right variant for your needs.



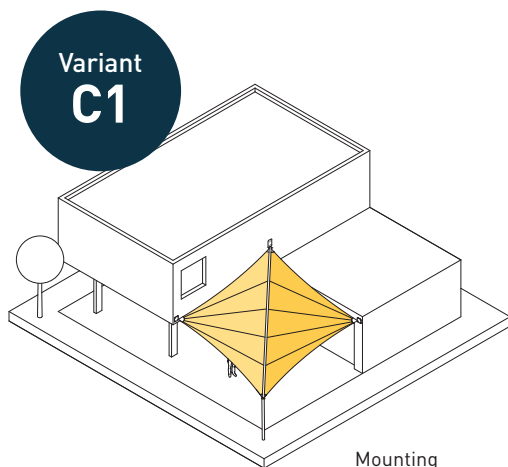
Decentralized mast
One foundation
Sail area up to 24 m ²



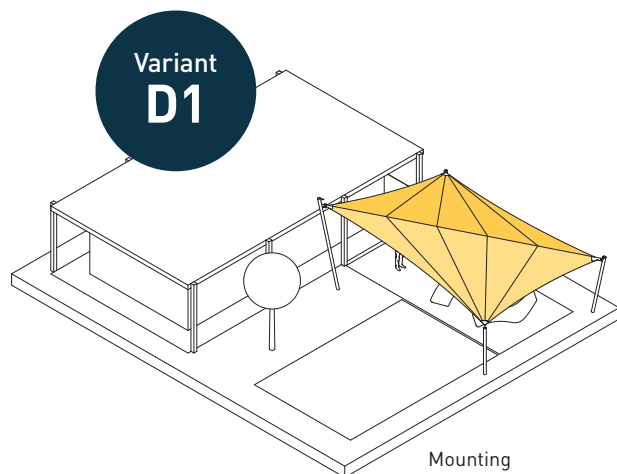
Mounting
2 x wall
2 x mast



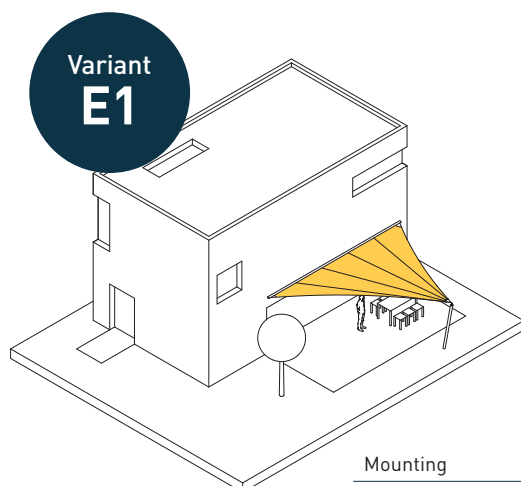
Mounting
1 x wall
3 x mast



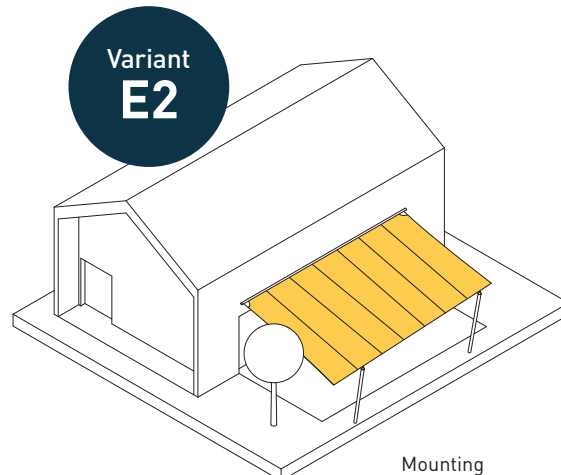
Mounting
3 x wall
1 x mast



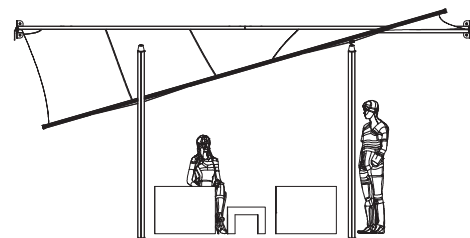
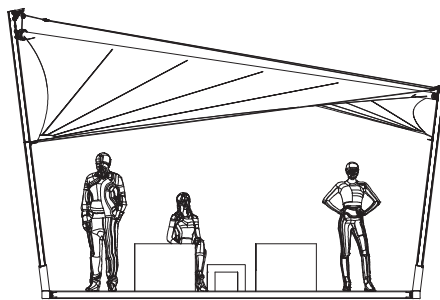
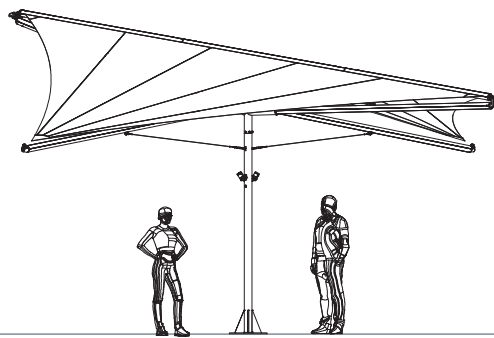
Mounting
0 x wall
4 x mast



Mounting
furling axis parallel wall
1 x mast



Mounting
furling axis parallel wall
2 x mast



Type SOLÉRE

Central mast
One foundation
Sail area up to 36 m²

Type BASE

Free-standing frame system
No foundations required
Sail area up to 39 m² (per system / systems can be combined)

Type AERO

Axis parallel to wall
2 x mast
Sail area up to 60 m²

Übersichtsmatrix Systeme

NEU

NEU

NEU

NEU

System	Pages	Drive	Tensioning	Max. Sail Area	Mast Types	Sail Fabric	Key Features
RE	6–13	Electric 230V	Spring	100 m ² / 50 m ²	VA Ø102, AL Ø102, AL Ø86	HS270, Soltis 86	Weather control, automatic operation, large sail areas, system combinations
AERO	14–19	Electric 230V	Spring	60 m ² / 30 m ²	VA Ø102, AL Ø102, AL Ø86	HS270, Soltis 86	Weather control, automatic, wall-mounted roller
RM	20–27	Manual	Winch	60 m ²	VA Ø76, AL Ø86	HS270	3D sail geometry, maritime flair, high fabric tension
RM-light	28–35	Manual	2:1 tackle	35 m ²	AL Ø86	HS270	3D sail geometry, maritime flair, easy installation, cost-effective
RM-MAX	36–43	Manual	Winch	75 m ²	AL Ø102, VA Ø102	HS270, Sol-Mesh 370	3D geometry, maritime flair, high tension, large sail areas
FX / FX-KiTa	44–51	Fixed	4:1 tackle	25–60 m ²	AL Ø86, AL Ø102, Galvanized Steel Ø102	HS270, Soltis 86, SolMesh 370	3D geometry, easy set-up, cost-effective and robust, ideal for schools and kindergartens
WING	52–57	Electric 230V	Spring	Up to 24 m ²	VA Ø102	HS270, Soltis 86	Weather control, automatic, only one decentralized mast
SOLÉRE	58–63	Electric 230V	Spring	Up to 36 m ²	VA Ø102	HS270, Soltis 86	Weather control, automatic, single central mast
BASE	64–69	Electric 230V	Spring	Up to 39 m ² per unit	AL Ø86, AL Ø102	HS270, Soltis 86	Weather control, no foundations, modular for large areas
Large-scale shading	70–75	Electric 230V	Spring	Unlimited	AL Ø86, AL Ø102, VA Ø102	HS270, Soltis 86	Modular sail systems, automatic control, ideal for public spaces

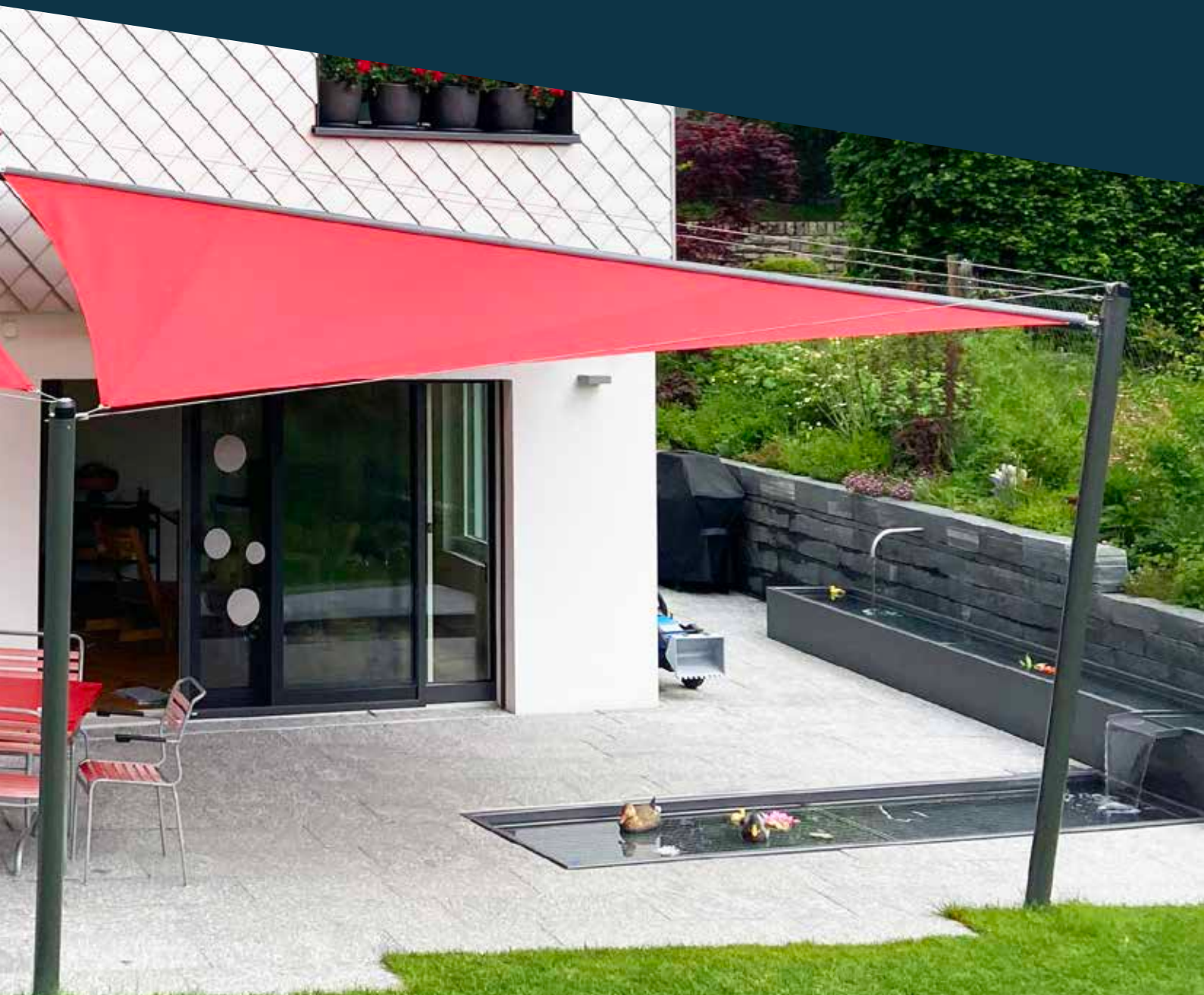
SunFurl Sun Sails

Typ RE



Maximum ease of use, maximum safety

Wind and sun sensors enable fully automatic control of the sail system, ensuring maximum safety – even in your absence. Operation is easy and convenient via wireless remote control. Sudden loads, such as strong gusts of wind, are absorbed by the constantly tensioned sail. If preset safety limits are exceeded, the system automatically retracts. Sail areas of up to 100 m² can be effortlessly implemented with this system. Multiple units can be combined in series or across larger areas as needed.



Electric furlable sun sails

Type RE / RES

Furling Axis

Ø 86 mm Aluminum (up to 9 m)

Ø 102 mm Aluminum (up to 14 m)

Masts Ø 102 mm

Stainless steel or Aluminium

Sails made from
HydroSol 270

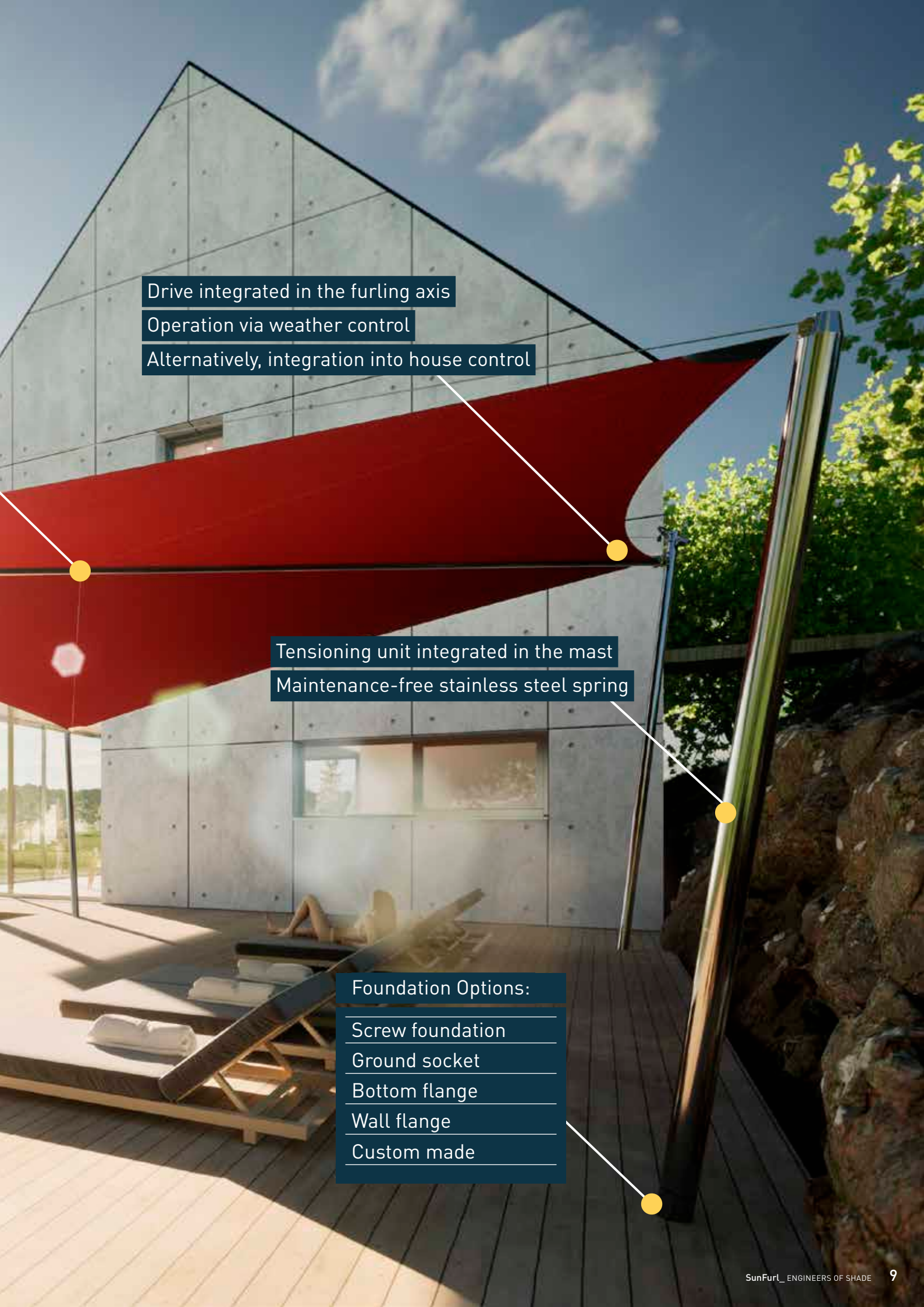
High fabric tension when unfurled

Low fabric tension when furled up

Equilibrium of moments on the drive

Both sails always under the same tension

Only one tensioning unit required (stainless steel spring)



Drive integrated in the furling axis

Operation via weather control

Alternatively, integration into house control

Tensioning unit integrated in the mast

Maintenance-free stainless steel spring

Foundation Options:

Screw foundation

Ground socket

Bottom flange

Wall flange

Custom made



Architect
house
RE-B1

Advantages Examples

Electrically furlable sun sail system (automatic and manual operation)

Weather control unit (wind, rain, sun, temperature)

Comfort and safety

Large sail areas realizable

Systems can be combined in rows and areas

Tensioning technology with robust and maintenance-free stainless steel spring

High sail tension / good wind stability / good rainwater drainage

Corner
Terrace
Powder coating

RES-B1



Overlapping
arrangement
of sails

RE-B1

Type RE

Components and options

Safety and comfort are the top priorities with this electrically furlable sun sail system. Both sails have the same fabric tension. The tension of the fabric is high when it is furled out, while the tension of the fabric and lines is reduced when it is furled up. The operation is fully automatic due to the weather control. Sail areas of up to 100 m² can be easily realized. A multiple arrangement in a row or area is easily feasible. The system can be integrated into an existing building control system.

Sail area
up to 100 m²

Furling axis
length
up to 14 m

Wall panels

Furling axis on the house wall

Rope deflection on house wall

Material stainless steel / e-polished

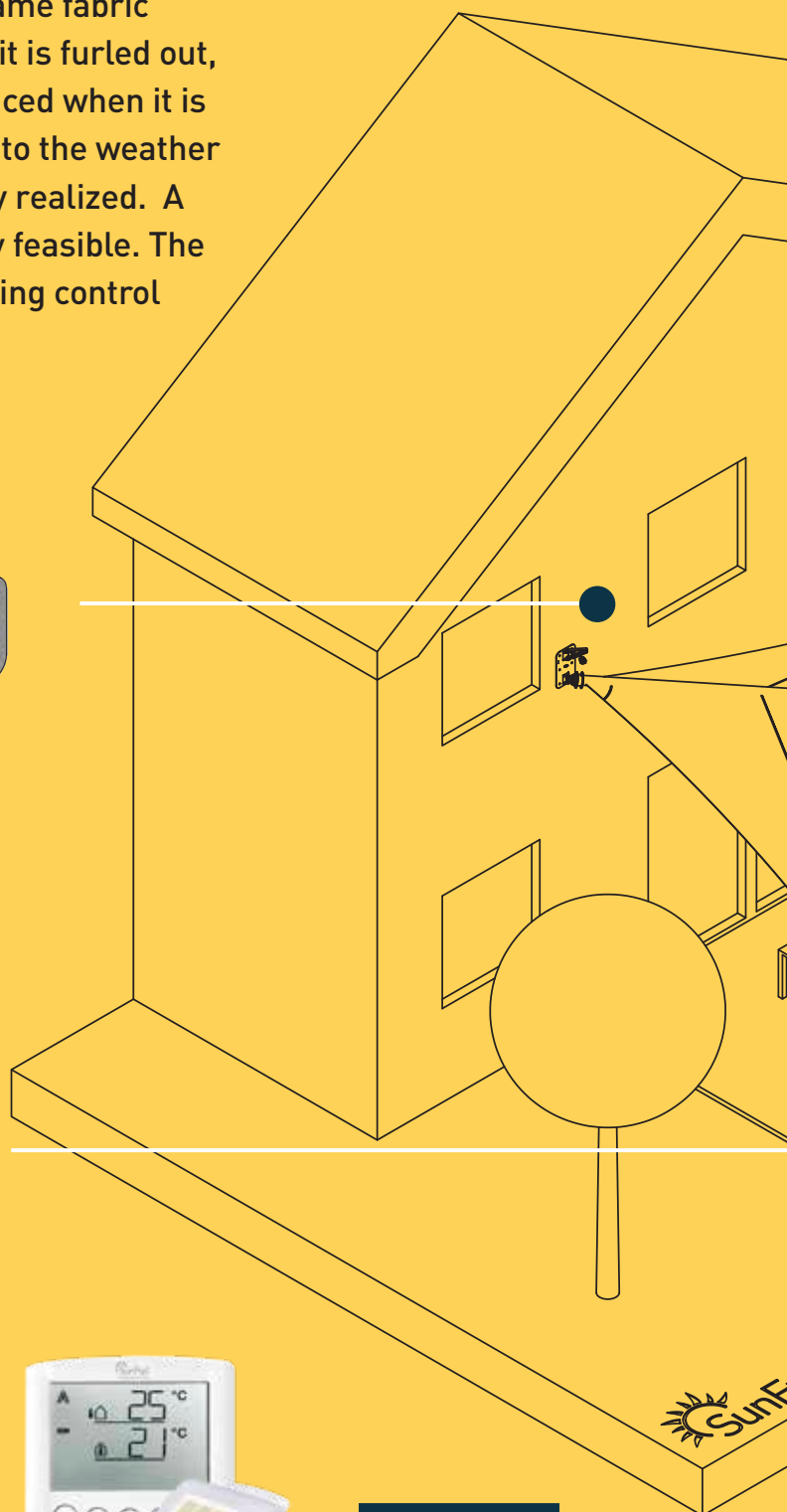
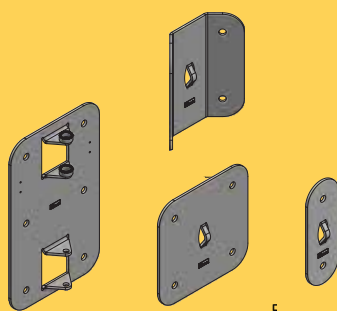
Dimensions:

W x H 380 x 230 mm

W x H 230 x 230 mm

W x H 230 x 80 mm

Special variants



Mast sail extension

Diameter / material:

Ø 102 mm / stainless steel

Ø 86 mm / aluminum system mast

Ø 102 mm / aluminum system mast

Lengths in 250 mm grid up to 5 m

Height adjustment via pulley or winch or electrically (EHV)

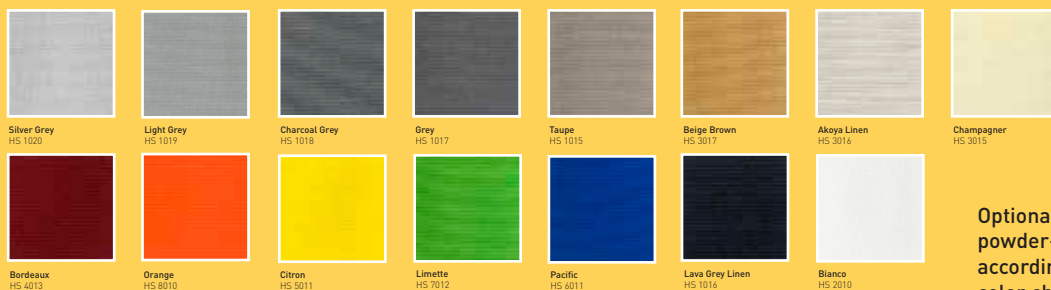
Sail tension automatically via stainless steel spring (inside the mast)

Weather control

Wind, rain, sun, temperature

Manual or automatic mode

Alternatively, integration into any home control system is possible



Optionally all parts
powder-coated
according to RAL
color chart



Sailcloth HS270

Colors according to color chart

Polyester fabric made from solution dyed yarn with a
fluorocarbon impregnation

UV stabilized / oil and dirt repellent / antifungal

High tear strength and high kink-resistance

High lightfastness

SPF > 50



SunFurl RE / RES deflection block
stainless steel Ø 45 mm



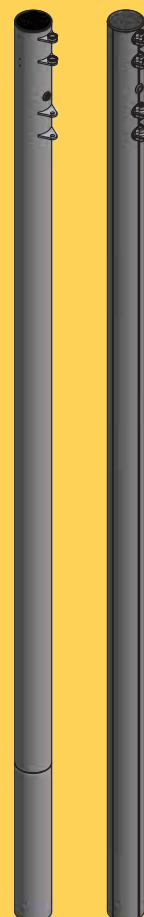
Furling axis RE Ø 102 mm motor side
with coil disc and articulated connection

Furling axis

Furling axis made of segmented aluminum
profile (silver anodised surface) with integra-
ted 230 V drive

Ø 86 mm up to 9 m length (3 m elements)

Ø 102 mm up to 14 m length (4 m elements)



Mast furling axis

Ø 102 mm / stainless steel

Ø 86 mm / aluminum

Ø 102 mm aluminum

Lengths in 250 mm increments
up to 5 m

Tensioning unit can be integrated
in the counter bearing mast

Mast attachments / foundations

Screw foundation (hot-dip galvanized steel)

Ground sleeve (stainless steel)

Flange foot (hot-dip galvanized steel)

Wall flanges (stainless steel)

Special flanges (steel, stainless steel, aluminium)



SunFurl *Trapezoidal sail*

Typ AERO



AERO

Lightweight, flexible, modern

The SunFurl AERO sun sail system impresses with its lightweight, elegant design and fully automatic control.

The furling axis for the sail fabric is installed parallel to the building wall, while two slim posts at the opposite end of the terrace support the sail. When extended, the textile canopy stretches tightly between these points and appears to float effortlessly above the terrace – light as the wind.

An integrated weather control system ensures automated operation, while adjustable mast heights allow for flexible positioning in response to the sun's angle. This also guarantees reliable rainwater runoff, even during heavy rainfall.

Two system sizes are available:

One with a 6 m axis and up to 33 m² sail area

One with an 8 m axis and up to 60 m² sail area

For added protection, an optional weather protection hood can be installed to shield the rolled-up sail from environmental exposure. All components are also available with powder-coated finishes upon request – for seamless integration into any architectural setting.

High fabric tension
Minimalist rope guidance
(only one rope per mast)

Optional weather protection hood

Material: natural anodized aluminum or optionally powder-coated

Mounted via the wall plates of the furling axis and an additional support rail on the wall

Furling axis

Ø 86 mm aluminum (up to 6 m)

Ø 102 mm aluminum (up to 8 m)

Sail made from
HS270

Drive integrated into the furling axis
Controlled via weather sensor system
Alternatively, integration into building control

Ø 86 mm alumin

Ø 102 mm alum

Ø 102 mm stain

Electrically retractable sun sails

Typ AERO

Aluminum
Aluminum
Stainless steel

Tensioning system integrated
into the mast
Durable gas springs

Height adjustment at the mast
Individually adjustable height
Manual via tackle or winch
Electric via EHV system

Foundation options

Screw foundation
Ground sleeve
Base flange
Wall flange
Custom fabrication

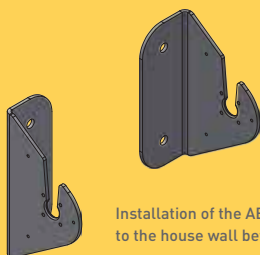
Type AERO

Components and Options

Minimalist rope guidance, large free-spanning sail areas, and high fabric tension are combined in this system. Only one tensioning rope runs to each mast. Fully automatic operation is enabled by the integrated weather control system, ensuring both safety and comfort at all times. Sail areas of up to 60 m² can be implemented with ease. Integration into building control systems is also possible.

Sail area
up to 60 m²

Furling axis
length
up to 8 m



Installation of the AERO furling axis parallel to the house wall between two wall plates

Wall plates

Connection of the furling axis to the house wall

Material: stainless steel / polished

Dimensions: 230 × 80 mm (W × H)



Mast sail extension

Diameter / Material:

Ø 86 mm / Aluminum system mast

Ø 102 mm / Aluminum system mast

Lengths in 250 mm increments up to 5 m

Height adjustment via tackle, winch, or electric (EHV)

Sail tensioning and rope storage are handled automatically by a gas spring (integrated inside the mast)

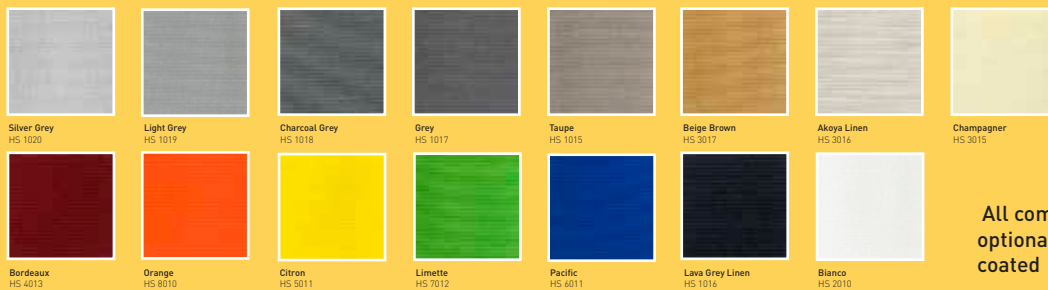


Weather Control

wind, rain, sun, temperature

Manual or automatic mode

Alternatively, integration into any building control system is possible



All components
optionally powder-
coated



Sail material HS270

Colors according to color chart

Polyester fabric made from solution-dyed yarn with high-quality impregnation

UV-stabilized / oil- and dirt-repellent / antifungal

High tear resistance and excellent crease resistance

High color fastness

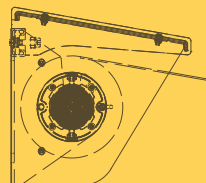
UV protection factor > 50



SunFurl RE / RES deflection block
Stainless steel Ø 45 mm

Roof for furling axis

Protection of the sail in the
rolled-up state against environ-
mental influences



Section view of weather protection hood

Furling axis

Furling axis made of segmented aluminum profile with integrated 230V drive (surface silver anodized)

When mounted horizontally on a wall (E1 and E2 configuration), reduced axis lengths apply:

Ø 86 mm up to 6 m length

Ø 102 mm up to 8 m length



AERO furling axis Ø 102 mm
Motor side with wall plate connection

Extension profile

Robust aluminum groove profile. Flexible ad-
justment of tension angles toward the masts is



Height adjustment option

The sail can be lowered at the masts using a height adjustment system to follow the path of the sun or to define the rainwater runoff.

Available options include tackles (with 4:1 or 8:1 re-
duction), a winch system, or an electric version (EHV).

The EHV can be conveniently operated via the sun sail control display.

Mast fixations / foundations

Screw foundation (hot-dip galvanized steel)

Ground sleeve (stainless steel)

Base flange (hot-dip galvanized steel)

Flat roof mounting part (hot-dip galvanized steel)

Parapet flanges (stainless steel)

Custom flanges (steel, stainless steel, aluminum)



SunFurl *Sun Sail*

Type RM



Properties like a 3D fixed sail, but still furlable

The SunFurl RM system is the perfect symbiosis of a fixed seasonal sail and a sun sail that can be furled up manually. The high surface tension makes this type of system very wind-stable. This means that an RM system can remain opened throughout the summer season, it only has to be furled up in strong winds and thunderstorms. With this type of system, three fastening points can be adjusted in height. This allows you to align the sun sail so that it always creates the desired shade, even when the sun is low in the sky. Depending on the system type, sail areas of up to 60 m² can be effortlessly implemented.

Firm and nicely tensed!

Due to the large pre-tensioning forces, the sail is taut and wrinkle-free. With a sufficiently planned incline, the sail can easily be used as rain protection. All SunFurl shade sails are manufactured by highly skilled sail makers. This enables us to offer you sailcloths of exceptionally high quality.

Assembly & disassembly in just 15 minutes

During the winter months, the system can be completely dismantled in just a few simple steps. The sail, which is rolled up dry, is rolled up as a ring and stowed away in the winter protection bag, including the furling axis and all ropes, protected. The poles can be pulled out of the ground sleeves and stored in the garage, for example. Only the inconspicuous wall plates and ground sleeves remain permanently installed.

Manually furlable sun sails

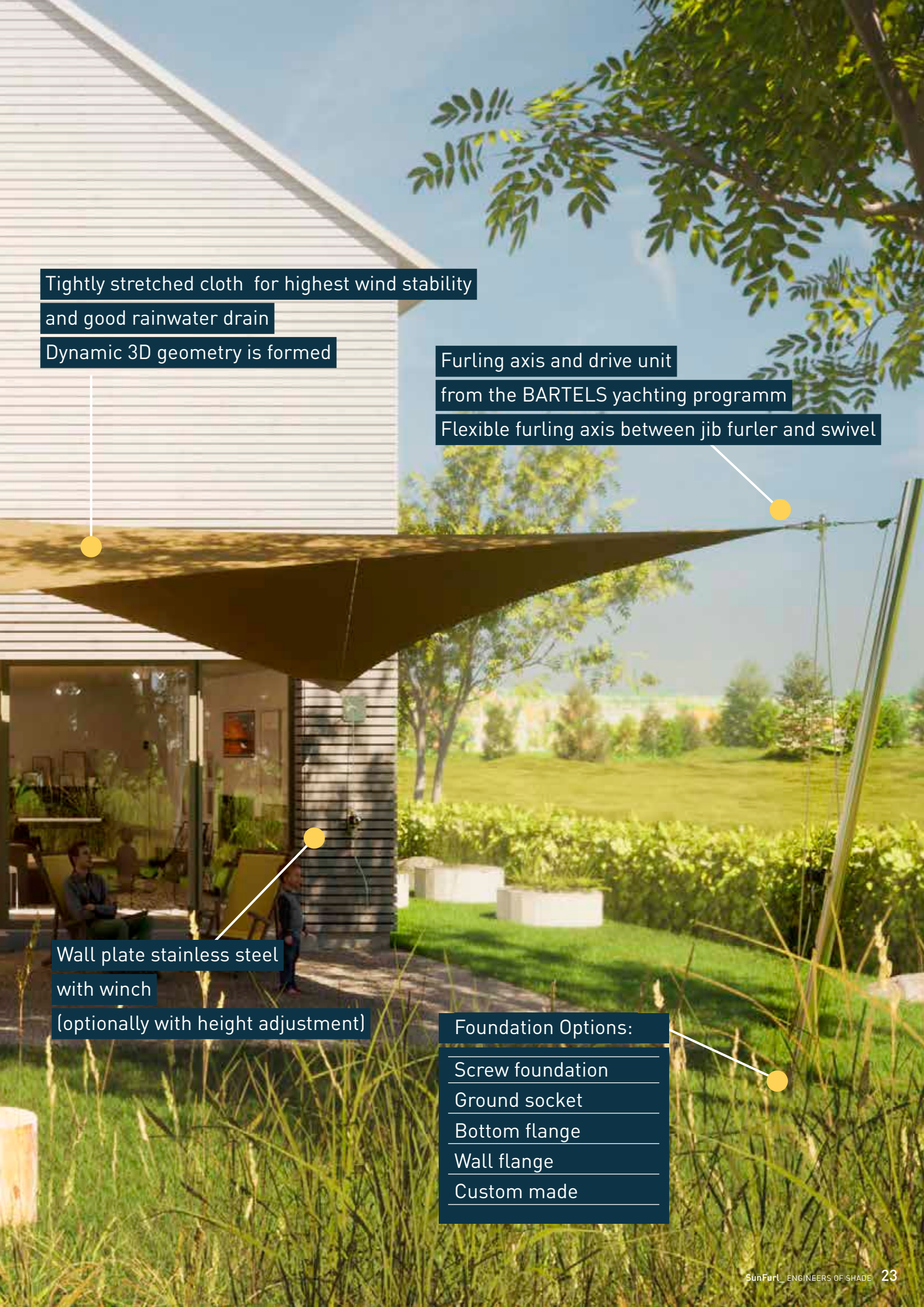
Type RM

Wall plates
stainless steel

sails made
from HS270

Masts Ø 76 mm
Stainless steel or aluminium
With winch and height adjustment

Tension furling axis and sail
decentralized via winches



Tightly stretched cloth for highest wind stability

and good rainwater drain

Dynamic 3D geometry is formed

Furling axis and drive unit

from the BARTELS yachting programm

Flexible furling axis between jib furler and swivel

Wall plate stainless steel

with winch

(optionally with height adjustment)

Foundation Options:

Screw foundation

Ground socket

Bottom flange

Wall flange

Custom made



Town villa
tuscan style

RM-B1

Advantages Examples

Manually furlable sun sail

Dynamic 3D sail geometry

Maritime flair (furling axis, winches, ropes, sails)

Flexible axis (easy assembly and disassembly)

High surface tension (winches)

High wind stability / good rainwater drainage

Height adjustment on furling axis and sail extension possible

Design-
garden

RM-B1



Architect
building

RM-B1

Type RM

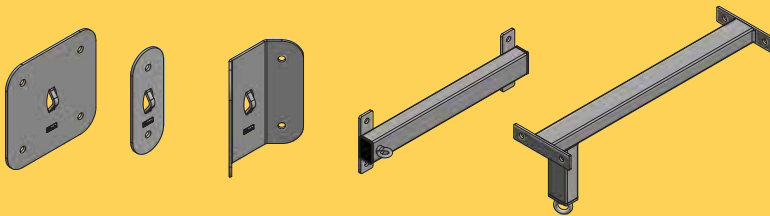
Sail area
up to 60 m²

Furling axis
length up
to 10 m

Components and options

The RM system is equipped with numerous components from the BARTELS yachting programm. Robust stainless steel masts and a lot of fabric tension give the system high wind stability and good rainwater drainage. The axis and sail are tensioned using winches. The pronounced three-dimensional shape of the sail is a distinctive feature of the RM system. Sail areas up to 60 m² can be easily implemented.

Pure maritime feeling in your garden!



Wall plate with eyelet

Connection swivel to house wall

Connection rope deflection to the
house wall

Material stainless steel / e-polished

Dimensions:

WxH 230 x 230 mm

WxH 230 x 80 mm

WxH 230 x 230 mm (90° / inside
corner)

Special variants for rafter or stand
attachment



Mast sail extension

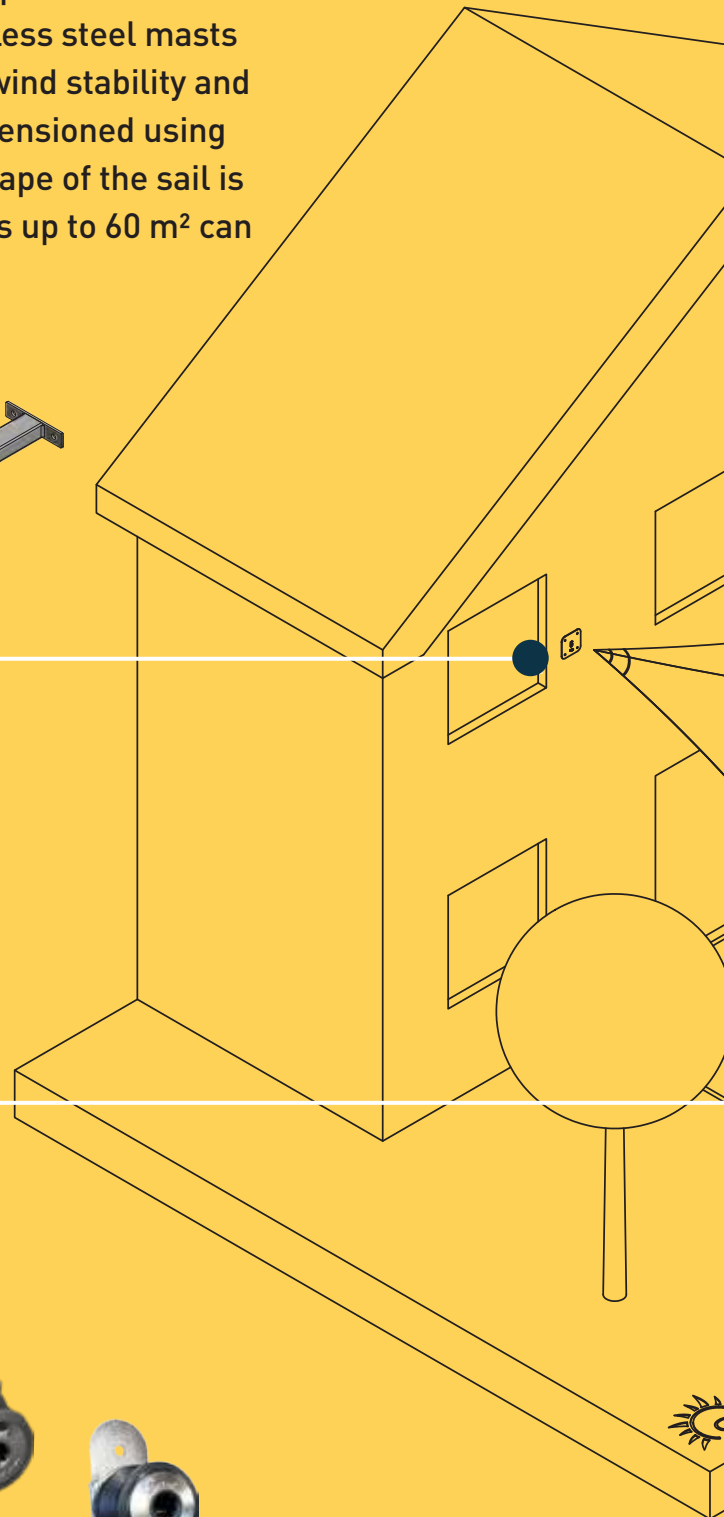
Ø 76 mm / stainless steel

Ø 86 mm / aluminium

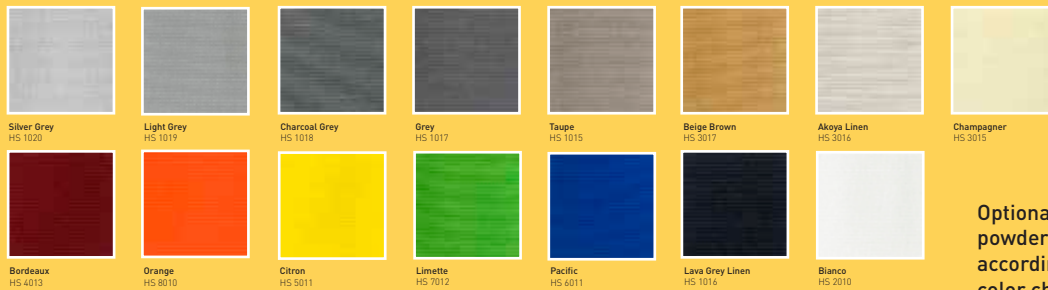
Lengths: L 2.500 mm L 3.000 mm
L 3.500 mm

height adjustment via rail with
slide L 1.350 mm

Sail tension via winch



SunFurl RM deflection block
Ø 40 mm / Ø 56 mm



Optionally all parts
powder-coated
according to RAL
color chart



Sailcloth HS270

Colors according to color chart

Polyester fabric made from solution dyed yarn with a fluoro-carbon impregnation

UV stabilized / oil and dirt repellent / antifungal

High tear strength and high kink-resistance

High lightfastness

SPF > 50

Furling axis

Furling system from the BARTELS
yachting programm (size II)

Flexible axis that can be stowed in a
sail bag together with the sail (incl.
furler, swivel and all ropes).



Furling drum and swivel
in satin-finished or polis-
hed stainless steel



Furling drum and swivel
in black anodized aluminum



Ø 76 mm
stainless steel



Ø 86 mm
aluminum

Mast winding axis

Ø 76 mm / stainless steel

Ø 86 mm / aluminium

Lengths:

L 2.500 mm

L 3.000 mm

L 3.500 mm

Height adjustment via rail with
slide L 1.350 mm

Tension furling axis via winch



Mast attachments / foundations

Screw foundation (hot-dip galvanized steel)

Ground sleeve (stainless steel)

Flange foot (hot-dip galvanized steel)

Wall flanges (stainless steel)

Special flanges (steel, stainless steel, aluminium)



SunFurl *Sun Sail*

Type RM light



Lightweight furlable awning system

The SunFurl RM-light system is a lighter variant of the RM system, suitable for shading areas up to 35 m². The furling axis and the masts are slightly lighter. The sail is tensioned via a 2:1 tackle. With this type of system, three fastening points can be adjusted in height. This allows you to align the sun sail so that it always creates the desired shade, even when the sun is low in the sky. Depending on the system type, sail areas of up to 35 m² can be realised.

Smooth and wrinkle free!

Due to the large pre-tensioning forces, the sail is taut and wrinkle-free. With sufficient height differences the sail can be used as rain protection. All SunFurl shade sails are made by professional sail makers. This enables us to offer you sailcloths of exceptionally high quality.

Assembly & disassembly in just 15 minutes

During the winter months, the system can be completely dismantled in just a few simple steps. The sail, which is rolled up dry, is rolled up as a ring and stowed away in the winter protection bag, including the furling axis and all ropes, protected. The poles can be pulled out of the ground sleeves and stored in the garage, for example. Only the inconspicuous wall plates and ground sleeves remain permanently installed.

Manually furlable sun sails

Type RM-light

Wall plates
stainless steel

Tensioning technology 1:2 tackle
Simple operation / high power

Sails made from:
HydroSol 270 or
SolMesh 340

Masts
Ø 76 mm aluminum system mast

Furling axis and drive unit
from the BARTELS yachting programm
Flexible axis between jib furler and swivel

Height adjustment at all attachment points
possible (via eyelets or rail)

Foundation Options:

- Screw foundation
- Ground socket
- Bottom flange
- Wall flange
- Custom made



RM light
Version as E2
system

Advantages

Examples

Dynamic 3D sail geometry

Manually furlable

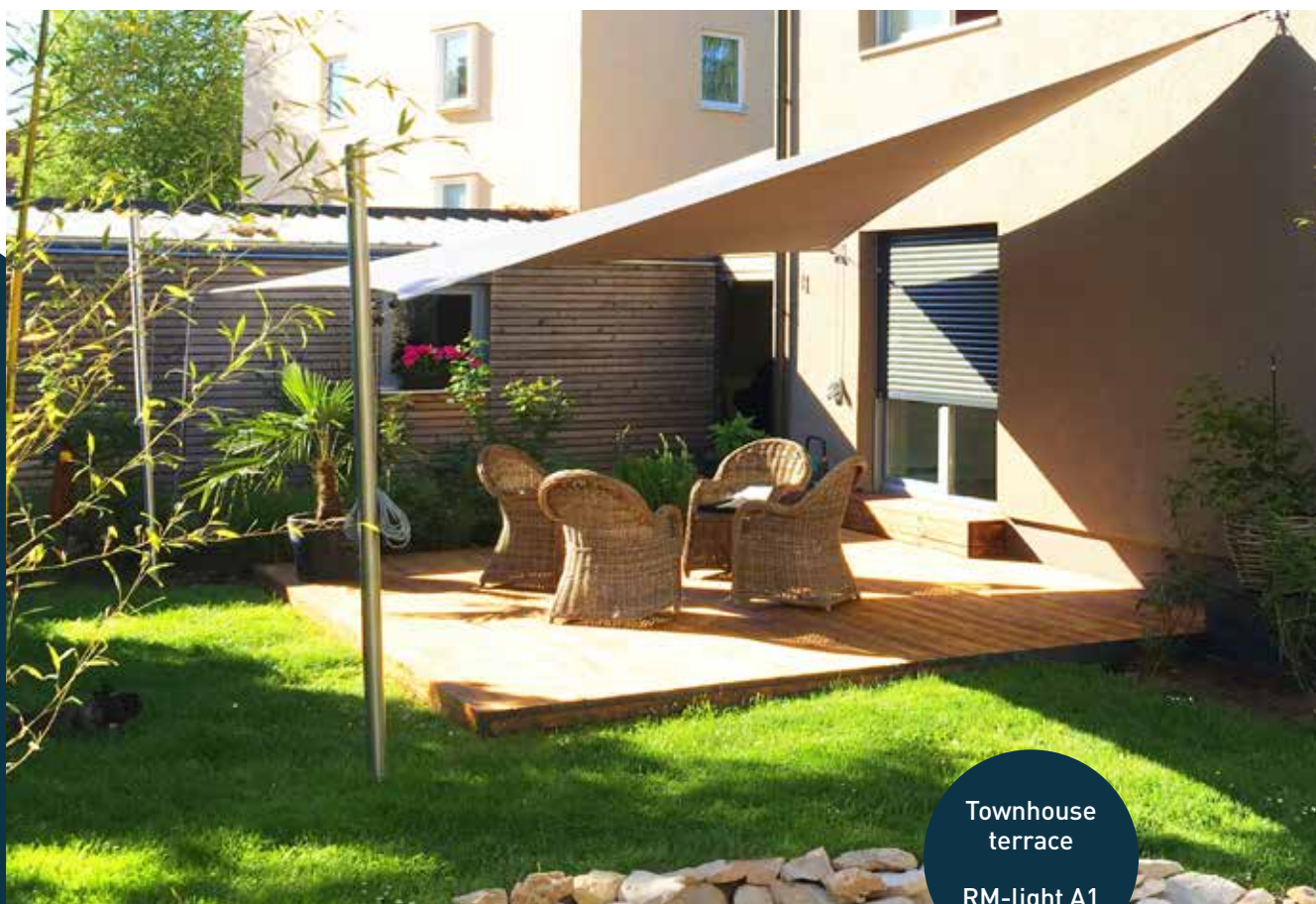
Simple / easy construction

Ø 76 mm aluminum system mast

Inexpensive

Country house
terrace

RM-light A1



Townhouse
terrace

RM-light A1

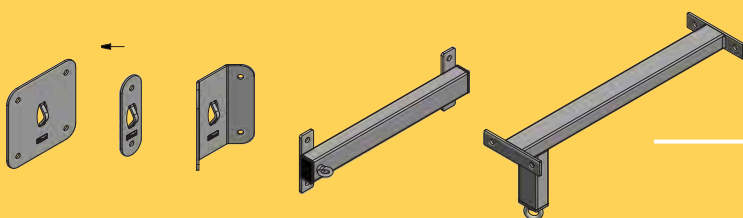
Type RM light

Sail area
up to 35 m²

Furling axis length
up to 8 m

Components and options

The lighter variant of the proven RM system for sail areas up to 35 m². All the properties of the large system can also be found here: height adjustment, furling axis from the BARTELS yachting program, attachment options and HS270 sails. The tension of the axis and the sail is generated by a 2-fold tackle. With a suitable height arrangement of the attachment points, the RM-light system also forms a attractive three-dimensional sail area.



Wall plate with eyelet

Connection swivel to house wall

Connection rope deflection to the house wall

Tensioning pull-out lines on the house wall

Material stainless steel / e-polished

Dimensions:

W x H 175 x 175 mm

W x H 175 x 50 mm

W x H 175 x 175 mm (90° / inside corner)

Special variants for rafter or stand attachment



Mast sail extension

Ø 86 mm / aluminum

Lengths:

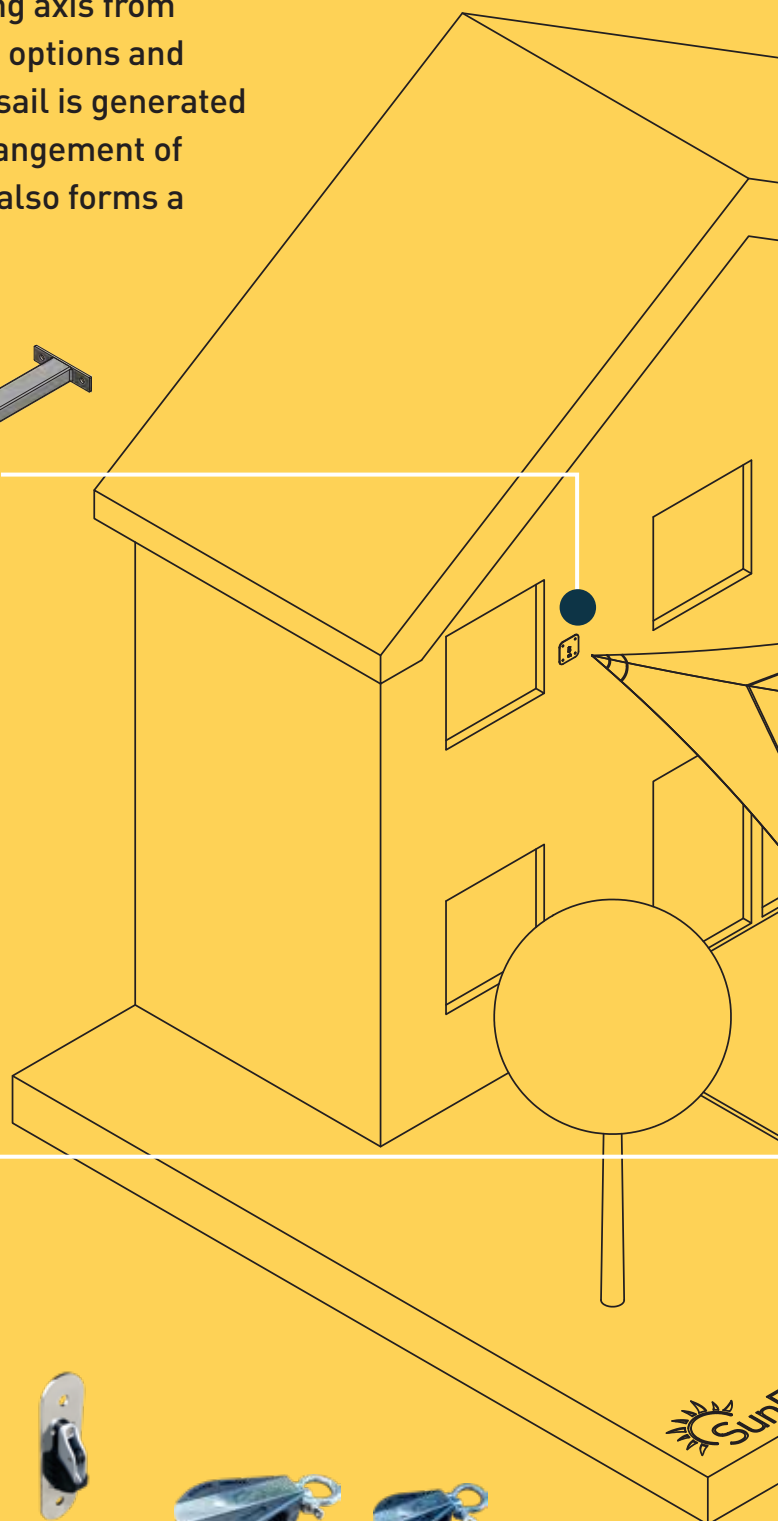
L 2.500 mm

L 3.000 mm

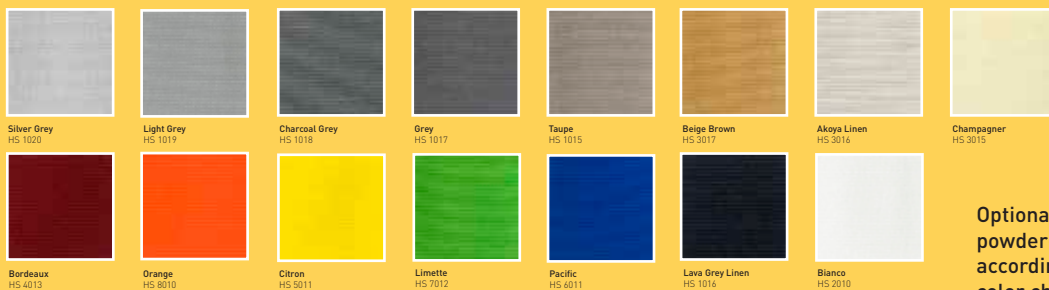
L 3.500 mm

Height adjustment via rail with
slide L 1.350 mm

Sail tension via 2:1 tackle



SunFurl RM deflection block
Ø 40 mm / Ø 28 mm



Optionally all parts
powder-coated
according to RAL
color chart



Sailcloth HS270

Colors according to color chart

Polyester fabric made from solution dyed yarn with a fluo-
rocarbon impregnation

UV stabilized / oil and dirt repellent / antifungal

High tear strength and high kink-resistance

High lightfastness

SPF > 50

winding axis

Furling system from the BARTELS
yachting program (size I)

Flexible axis that can be stowed
in a sail bag together with the sail
(incl. furler, swivel and all ropes).



Mast furling axis

Ø 86 mm / aluminum

Lengths:

L 2.500 mm

L 3.000 mm

L 3.500 mm

Height adjustment via rail with slide

L 1.350 mm

Sail tension 2:1 tackle



Mast attachments / foundations

Screw foundation (hot-dip galvanized steel)

Ground sleeve (stainless steel)

Flange foot (hot-dip galvanized steel)

Wall flanges (stainless steel)

Special flanges (steel, stainless steel, aluminium)



SunFurl *Sun Sail* **Type RM-MAX**



Large manual furlable sun sail system

The RM-MAX system is the all-rounder for medium and large sail areas up to 75 m². The furling axis and the masts are particularly stable. The sail is tensioned using winches. With this type of system, three fastening points can be adjusted in height. This allows you to align the sun sail so that it creates the desired shade at any time of the day, even when the sun is low in the sky.

Firmly stretched and wrinkle-free!

All SunFurl sun sails are of exceptionally high quality, as they are made by professional sail makers who always work with high quality and very durable materials. Due to the large pre-tensioning forces, the sail is taut and wrinkle-free. With a sufficiently planned incline, the sail can be used as rain protection.

Assembly & disassembly in just 15 minutes

During the winter months, the system can be completely dismantled in just a few simple steps. The sail, which is rolled up dry, is rolled up as a ring and stowed away in the winter protection bag, including the furling axis and all ropes, protected. The poles can be pulled out of the ground sleeves and stored in the garage, for example. Only the inconspicuous wall plates and ground sleeves remain permanently installed.

Furling axis and drive unit
from the BARTELS yachting program
Flexible axis between jib furler and swivel

Sail made from:
HydroSol 270 or
SolMesh 340

Wall plate stainless steel
With winch
With height adjustment (optional)

Masts
Ø 102 mm aluminum system mast
With winch
With height adjustment

Manually furlable sun sails

Type RM-MAX

Height adjustment at all
Attachment points (furling axis
or sail extension) possible

Tension furling axis and sail
decentralized via winches

Foundation Options:

- Screw foundation
- Ground socket
- Bottom flange
- Wall flange
- Custom made



Terrace
corner
arrangement

RM-MAX B1

Advantages Examples

Dynamic 3D sail geometry

Maritime flair (furling axis, winches, ropes, sails)

Flexible axis (easy assembly and disassembly)

High surface tension (winches)

High wind stability / good rainwater drainage

Height adjustment on furling axis and sail extension possible

Day-care
center

RM-MAX D1



Residential
building

RM-MAX A1

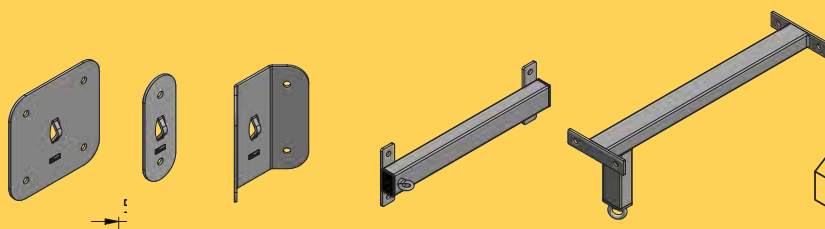
Type RM-MAX

Sail area
up to 75 m²

Furling axis
length
up to 12 m

Components and options

The great all-rounder for medium and large sail areas up to 75 m². The robust aluminum masts are designed with internal reinforcements. The flexible axis and sail are tensioned using winches. The winch platforms are elegantly shaped onto the mast tube. With a suitable height arrangement of the attachment points, the RM-MAX system forms a distinctive three-dimensional sail surface.



Wall plate with eyelet

Connection swivel to house wall

Connection rope deflection to the house wall

Wall plate with winch

Material stainless steel / e-polished

Dimensions:

W x H 230 x 230 mm

W x H 230 x 80 mm

W x H 230 x 230 mm (90° / inside corner)

Special variants for rafter or stand attachment



Mast sail extension

Ø 102 mm / aluminium

Lengths: L 2,500 mm L 3,000 mm L 3,500 mm

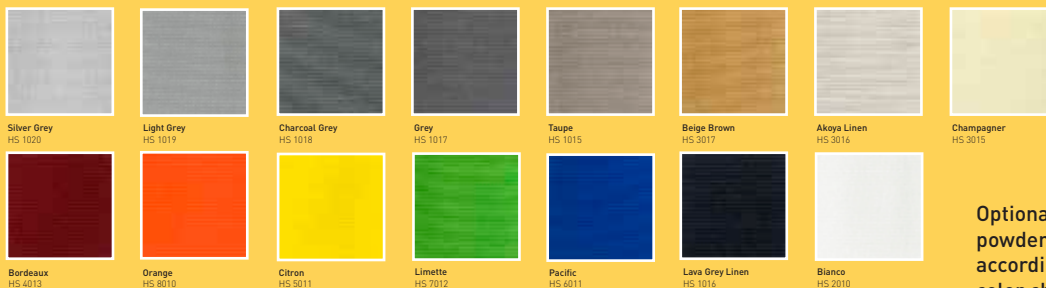
Height adjustment via rail with slide L 1,350 mm

Sail tension via winch

locking mechanism (optional)



SunFurl RM deflection block
Ø 40 mm / Ø 57 mm



Optionally all parts
powder-coated
according to RAL
color chart



Furling axis

Furling systems from the BARTELS yachting
program (size II and size III)
Flexible axis that can be stowed in a sail bag
together with the sail (incl. furler, swivel and all
ropes).



Mast furling axis

Ø 102 mm / aluminium
Lengths:
L 2.500 mm
L 3.000 mm
L 3.500 mm
Height adjustment via rail with slide
L 1.350 mm
Tension of the furling axis via winch
locking mechanism (optional)



Mast attachments / foundations

Screw foundation (hot-dip galvanized steel)
Ground socket (stainless steel)
Flange foot (hot-dip galvanized steel)
Wall flanges (stainless steel)
Special flanges (steel, stainless steel, aluminium)



SunFurl *Sun Sail*

Type FX / FX-KiT



Individual planning and variety of shapes

Individual planning and variety of shapes are standard with the tightly braced SunFurl sun sails. The shape is very free, because three, four or more attachment points can be planned and manufactured according to the situation. In addition, SunFurl FX systems enable an exciting 3D architecture.

Wind stability and water drainage

Due to the large differences in height and the high pre-tensioning by tackles, the FX sails offer maximum stability in wind and good rainwater drainage with a sufficiently planned gradient.

Assembly & disassembly in just 15 minutes

During the winter months, the system can be completely dismantled in just a few simple steps. The sail is folded dry and stowed in the winter protection bag, including the tensioning units. The masts can be pulled out of the ground sleeves and stored in the garage, for example. Only the wall plates and ground sleeves remain permanently installed.

Fix tensioned sun sails

Type FX

Masts Ø 100

Aluminum system mast

Internal reinforcement

Tensioning via 4-fold tackle
Protected with Velcro pocket

Sail made from:
HydroSol 270 or SolMesh 340
High UV protection
No heat build-up below the sail

Foundation Options:

- Screw foundation
- Ground socket
- Bottom flange
- Wall flange
- Custom made



Garden
seating area

SF-FX-D1

Advantages

Examples

Flexible dimensions (not limited by a furling axis)

Dynamic 3D sail geometry

Simple, inexpensive construction

Ideal for kindergarten and school (in combination with SolMesh 340)

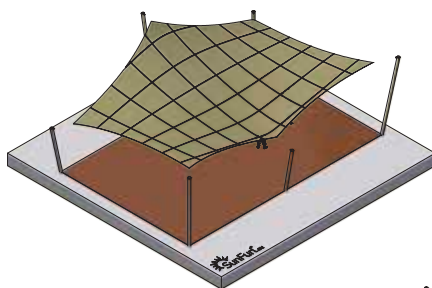
Sandbox-
shading

SF-FX-KiTa
Typ D1

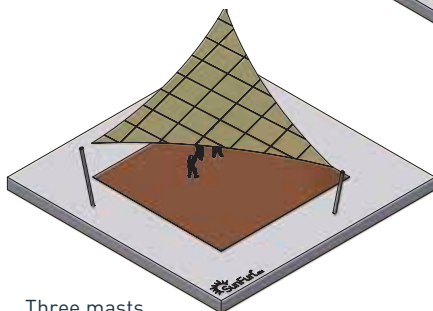
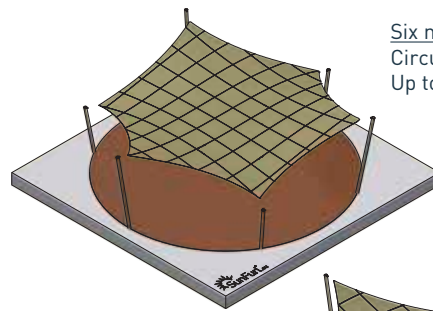


Popular arrangement options for
FX-KiTa systems

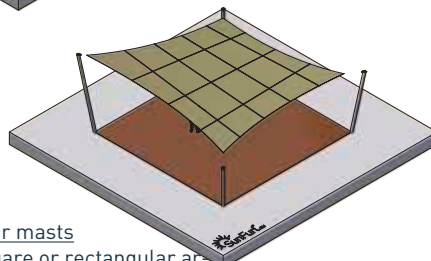
Six masts
Rectangular arrangement
Up to 60 m² sail area



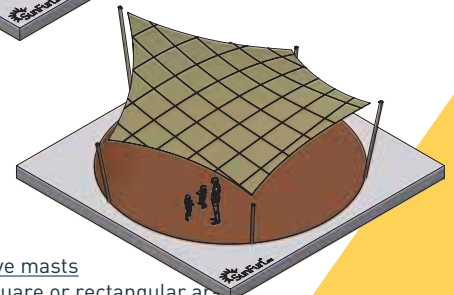
Six masts
Circular arrangement
Up to 60 m² sail area



Three masts
Triangular arrangement
Up to 30 m² sail area



Four masts
Square or rectangular arrangement
Up to 40 m² sail area



Five masts
Square or rectangular arrangement
Up to 50 m² sail area



Sandbox-
shading

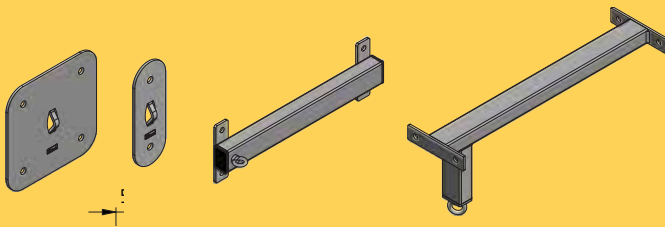
SF-FX-KiTa
Typ D1

Type FX

Sail area
up to 40 m²

Components and options

In the area of playgrounds and schools, tightly braced sun sails are often planned. A sail made of mesh fabric is usually used, as this meets the highest demands for UV and sun protection. It is also permeable to air, so there is no heat build-up under the sail. The sails are stretched taut over 4-way tackle. When planning enough height differences, a dynamic three-dimensional sail surface is created. An aesthetic design element for playgrounds or schoolyards. Sail areas up to 40 m² are easily possible.



Wall plate with eyelet

Connection sail extension to house wall

Material stainless steel / e-polished

Dimensions:

WxH 230 x 230 mm

WxH 230 x 80 mm

WxH 230 x 230 mm (90° / inside corner)

Special variants for rafter or stand attachment



Mast sail extension

Ø 102 mm / aluminum

Ø 86 mm / aluminum

Lengths:

L 2.500 mm

L 3.000 mm

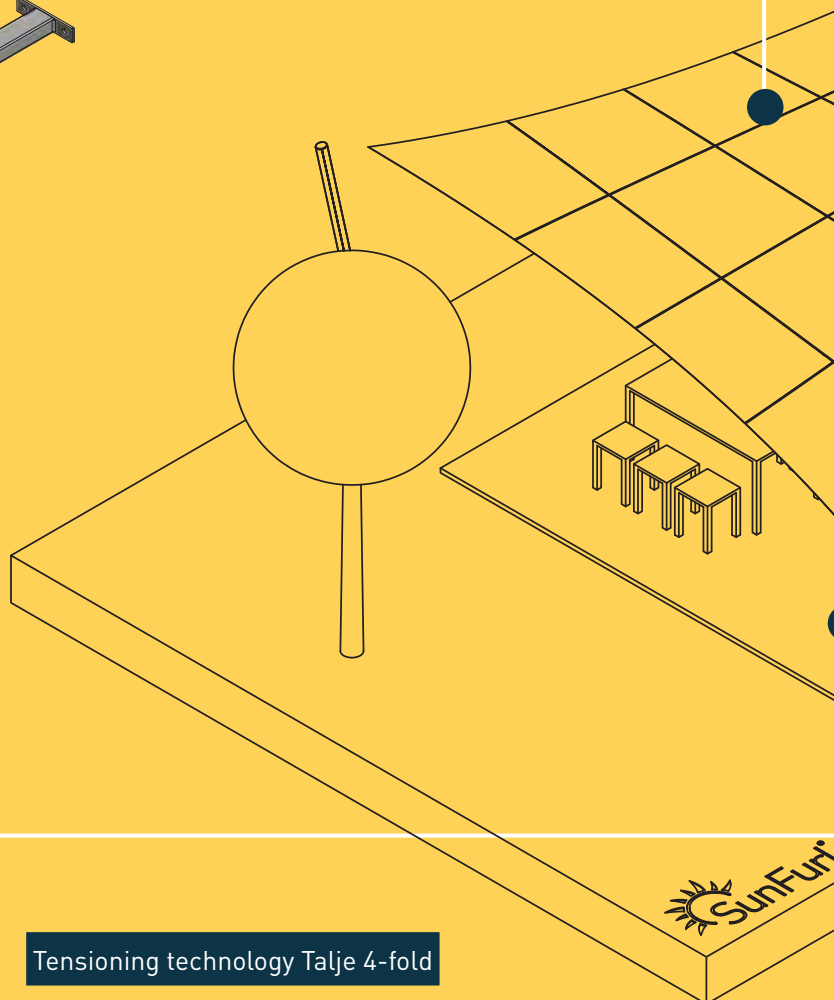
L 3.500 mm

Height adjustment via 2-3 eyelets on the mast

Optional height adjustment via rail with slide

L 1.350 mm

Sail tension over 4-fold tackle



Tensioning technology Talje 4-fold

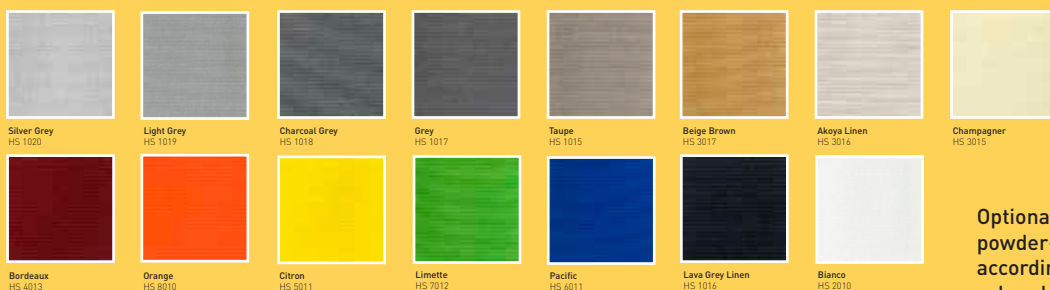
4-fold tackle / length 1.2 m

Snap hooks on both sides

Easy assembly and disassembly of the sail

Height adjustment possible via snap hooks





Optionally all parts
powder-coated
according to RAL
color chart

Sailcloth HS 270

Colors according to color chart

Polyester fabric made from solution dyed yarn with a fluo-
rocarbon impregnation

UV stabilized / oil and dirt repellent / antifungal

High tear strength and high kink-resistance

High lightfastness

SPF > 50



Desert Sand
SM 3011



Metal Grey
SM 1012



Orange
SM 8010



Red
SM 4010



Green
SM 7012



Blue
SM 6011

SolMesh 340 sail fabric

Color desert-sand (perfect for daycare / school)

Mesh fabric made from UV resistant flax and HDPE yarn

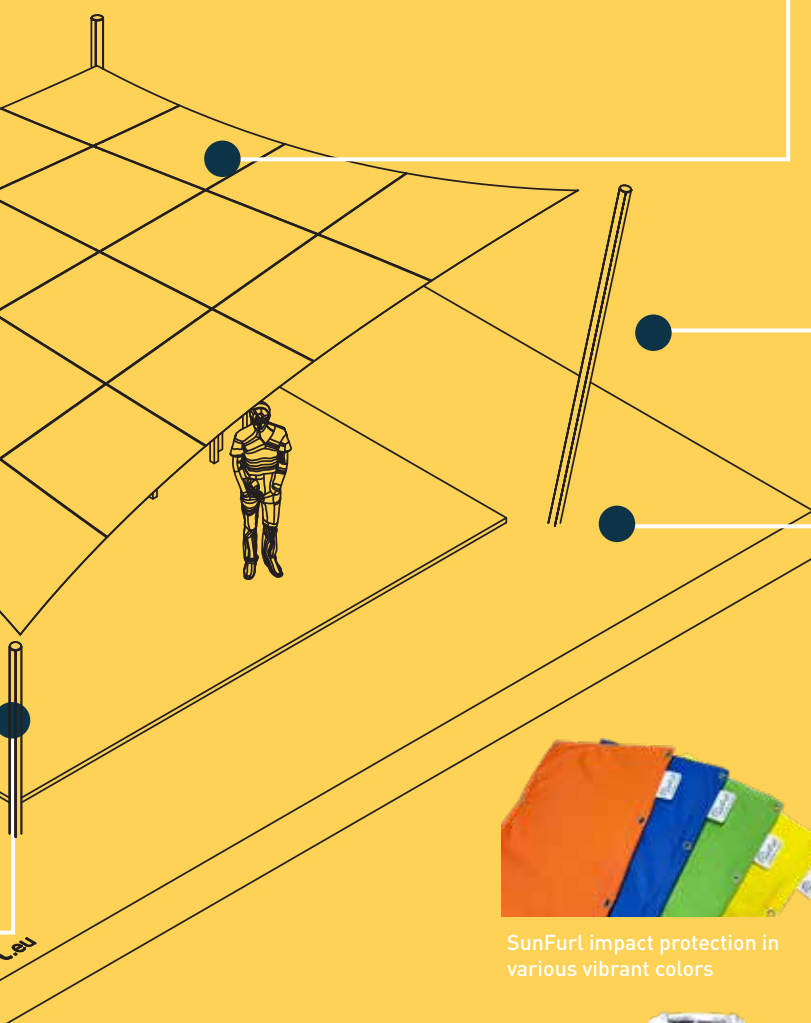
Greenguard and Oeko-Tex certificate, PVC and lead free

High lightfastness

Highly stable mesh fabric

Reduces UV rays > 90%

Reduces sun rays > 77%



SunFurl impact protection in
various vibrant colors



Mast sail extension

Ø 102 mm / aluminum

Ø 86 mm / aluminum

Lengths:

L 2.500 mm

L 3.000 mm

L 3.500 mm

Height adjustment via rail with slide

L 1.350 mm

Height adjustment via 2-3 eyelets on
the mast

Sail tension via 4-fold tackle

Mast mounts / foundations

Screw foundation (hot-dip galvanized steel)

ground socket (stainless steel)

Flange foot (hot-dip galvanized steel)

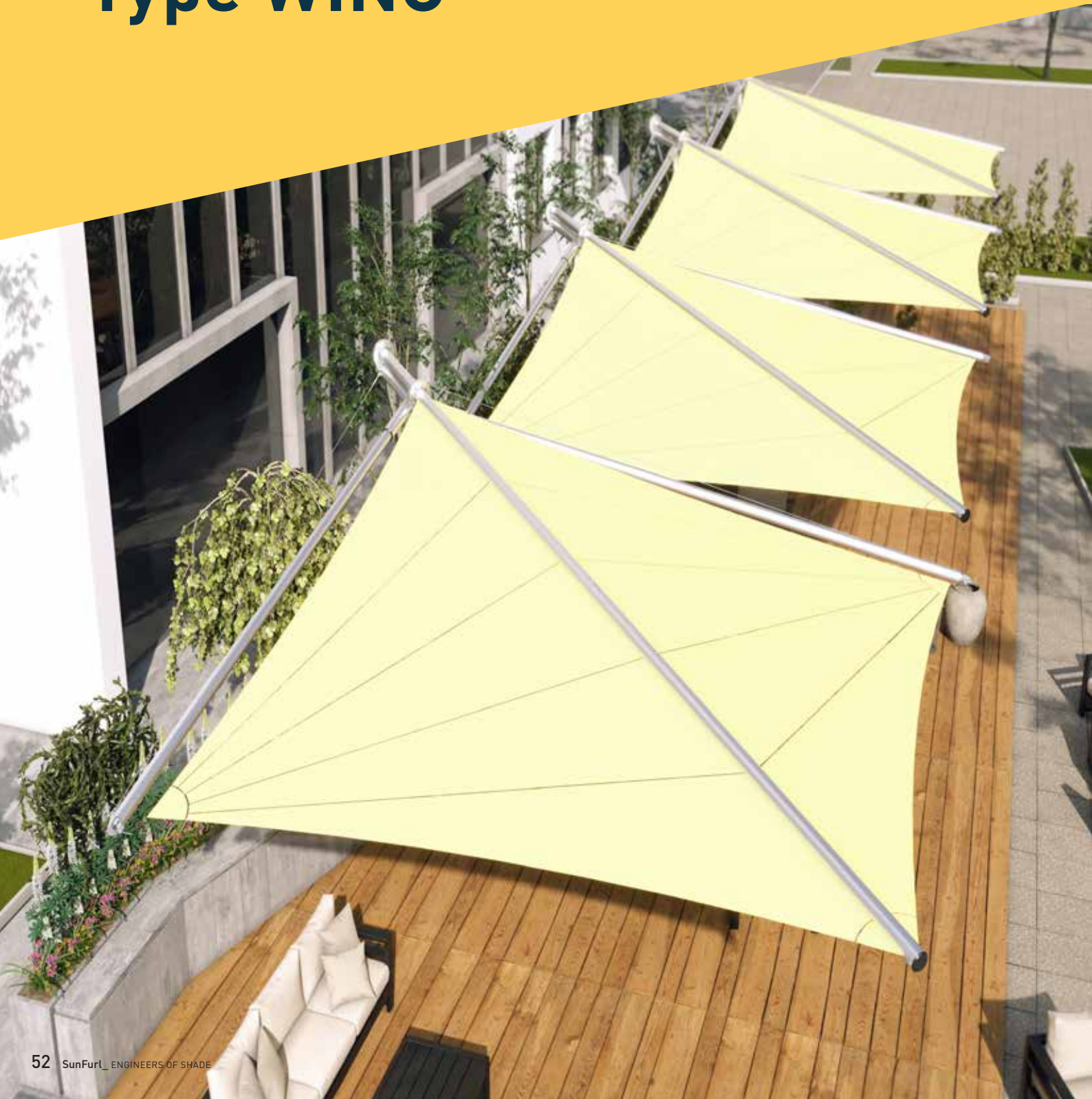
parapet flanges (stainless steel)

Special flanges (steel, stainless steel, aluminium)



SunFurl *Parasol sail*

Type WING



Think outside the parasol

Discover the revolution in shading: Our WING with just one mast outside the shade area offers automatic, electric furling comfort and enables unobstructed views of mountains, lakes and sea. The benefits of an umbrella merge with the aesthetics of awnings, in a uniquely practical and sustainable system. Experience shadows in a new dimension.

Wind stability and water drainage

The WING impresses with its high wind stability and at the same time ensures protection from the rain thanks to an optimal slope for safe water drainage.

Automated operation

The WING is ideal for public areas as no operator is required to furl it in or out. Fully automatic operation through weather control makes it perfect for restaurants, bars and roof terraces.



Furling axis D102
with integrated 230V drive
powder-coated aluminum

Tensioning technology
Integrated in arm profiles D86

Weather control
Automatic operation
No operating personnel required

LED spots
indirect lighting
the seats under the
Sailing

Central mast
stainless steel
powder coated

Foundation options
Screw foundation
Ground sleeve
floor flange
Custom made

Electric furlable parasol-sail WING



Sails made from:
HydroSol 270 or
Soltis86 (mesh fabric)

Arrangement in rows or areas
minimum number of masts
harmonious picture
automated operation

st D102

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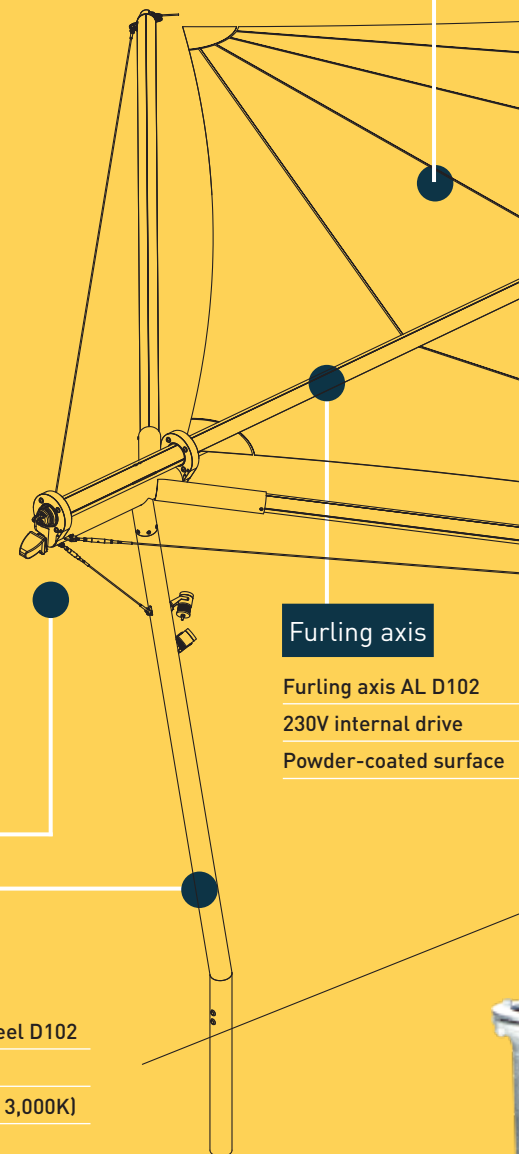
Type WING

Components and options

Experience shade enjoyment at the highest level with the WING – the innovative umbrella sail that combines the best features of sun sails and parasols. Thanks to its unique construction, the WING only requires a support outside the shaded area, giving you unrestricted views of the mountains, lake and beach, without any annoying masts in your field of vision.

The intelligent placement of the support allows tables and chairs to be easily arranged within the shaded area. Fully automatic operation using weather sensors ensures that you don't have to worry about anything - no operating personnel are required to control the unrolling and retracting. The seamless integration into your home control opens up completely new options for comfort control.

With a generous standard size of 4.5 x 4.5m and the flexible arrangement of the WING in any number, it is perfect for outdoor catering. The powder-coated visible surfaces in your individual RAL color also add stylish accents. Immerse yourself in the world of modern shade with the WING.



Furling axis

Furling axis AL D102
230V internal drive
Powder-coated surface

Weather control

Wind, rain, sun, temperature
Manual or automatic mode
Alternatively, integration into any home control system possible

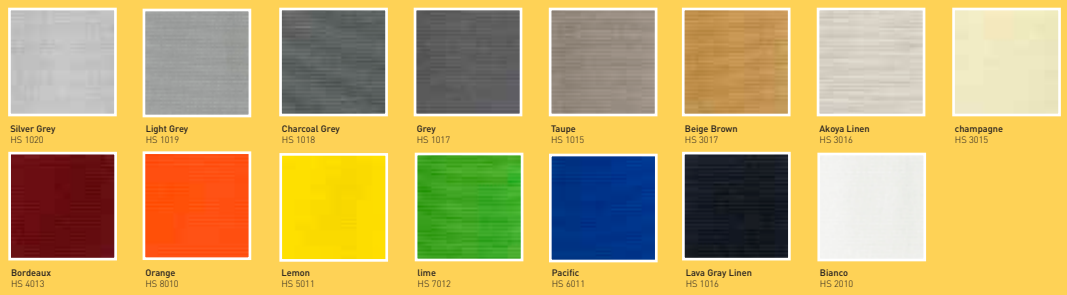


Mast

Mast tube made of stainless steel D102
Surface powder-coated in RAL
Option LED spots (230V / 10W / 3,000K)

Mast fastenings / Foundations

Ground screw (hot-dip galvanized steel)
Ground sleeve (hot-dip galvanized steel)
Flange base on the mast tube (hot-dip galvanized steel)
Flat roof installation part (hot-dip galvanized steel)
Special flanges on request



Sail fabric HS 270

Colors according to color chart

Polyester fabric made from solution-dyed yarn with fluoro-carbon impregnation

UV-stabilized / oil and dirt repellent / antifungal

high tear strength and high kink resistance

high light fastness

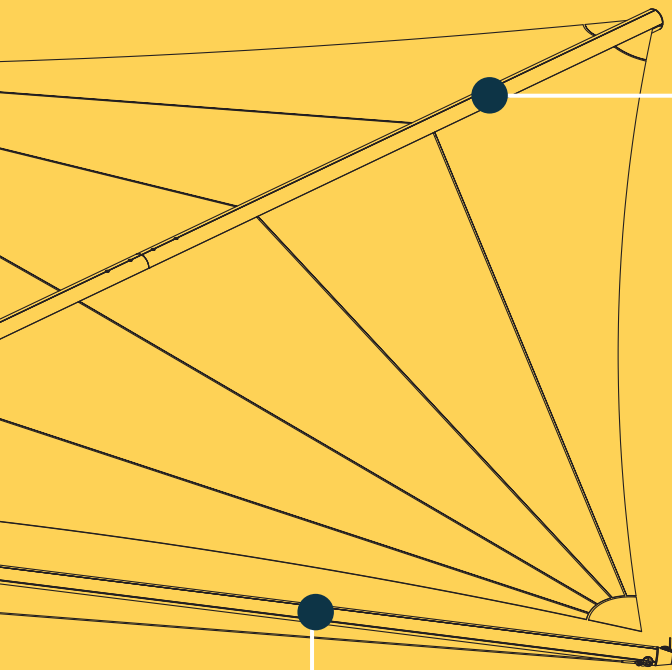
Sun protection factor > 50

Surfaces powder-coated

All surfaces are powder-coated as standard in RAL 7016 (anthracite gray)

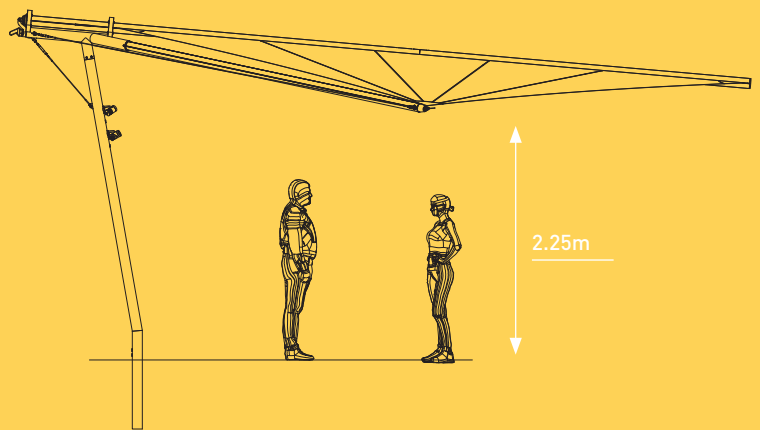
Optional coating according to RAL color chart

Mast tube, extension arms, winding axle

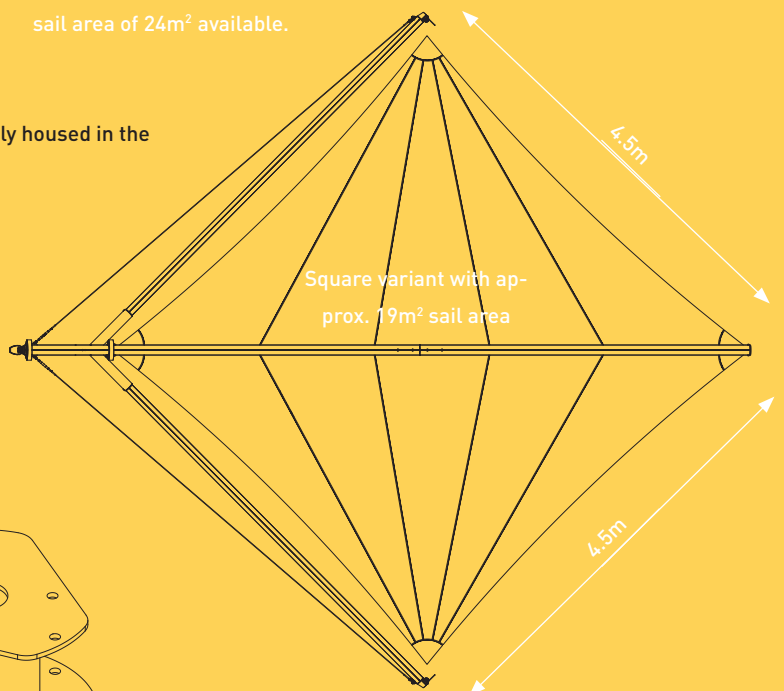


Tensioning technology

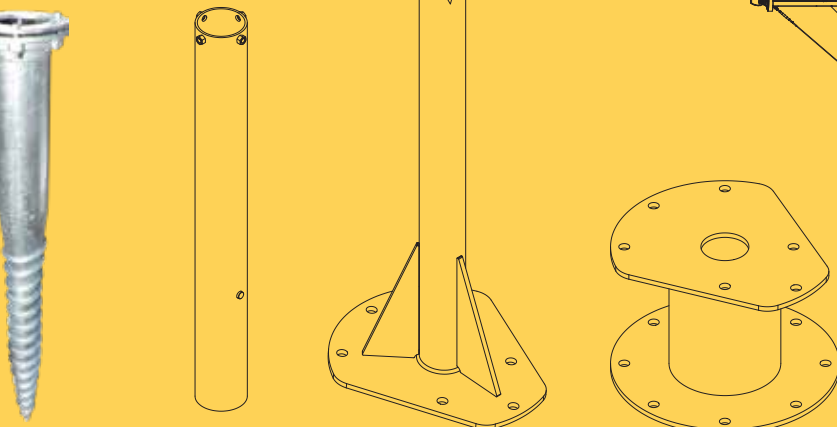
The tensioning techniques are discreetly housed in the arms of the WING.



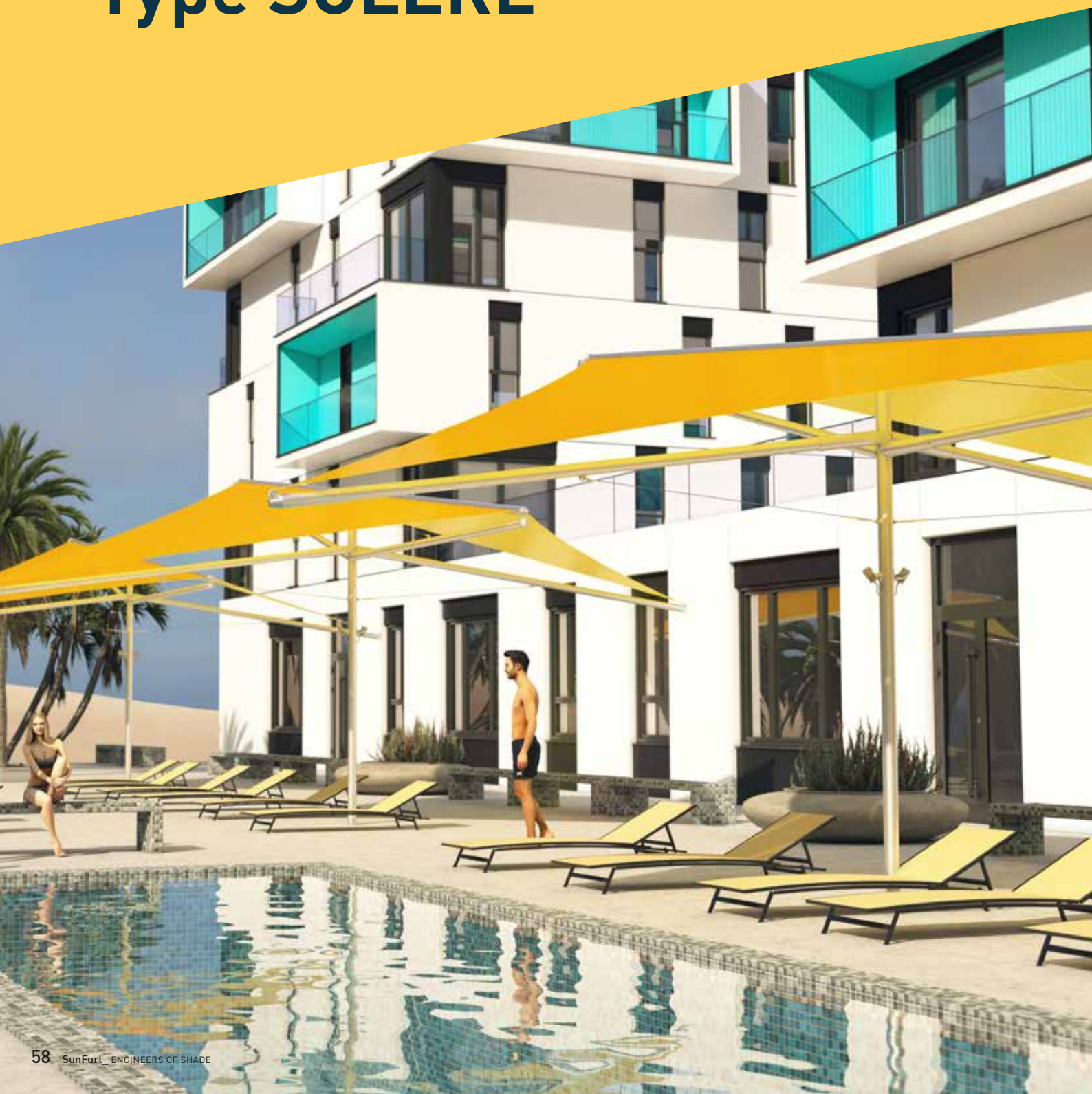
Other sizes / geometries up to a sail area of 24m² available.



Square variant with approx. 19m² sail area



SunFurl *Parasol sail* Type SOLÉRE



SOLÉRE

The revolution of shading

The Perfect Symbiosis of Parasol and Sun Sail

SOLÉRE combines the stability of an umbrella with the elegant lightness of a sun sail. A central mast made of high-quality stainless steel supports the entire freestanding system with an impressive span of 6 × 6 meters – ideal for demanding outdoor areas.

Fully automatic. Weather-resistant. Efficient.

Thanks to the latest weather control technology, the sail rolls in and out electrically, without the need for any operators. The innovative design does not interfere with seating or guests and provides reliable protection against sun, rain, and wind. Premium materials from the yacht industry, precisely crafted sails, and hidden tensioning techniques in the support arms ensure maximum durability and functionality.

SOLÉRE is the stylish, low-maintenance, and safe solution for hospitality, hotels, pools, and beaches – where modern design meets maximum comfort.



Furling axis D86

With integrated 230V drive

Powder-coated aluminum

Tensioning system

Integrated into arm profiles D86

LED spots

Indirect lighting

of the seating areas under the sails

Central mast D102

Stainless steel

Powder-coated

Sail made from:
HydroSol 270 or
Soltis 86 (mesh fabric)

Weather control
Automatic operation
No personnel required

Arrangement in rows or areas
Minimal number of masts
Harmonious appearance
Automated operation
No personnel required

Foundation options:

Screw foundation
Ground sleeve
Base flange
Custom fabrication

Electrically
retractable
shade sail
SOLÉRE

Typ SOLÉRE

Components and options

Experience the highest level of shade enjoyment with SOLÉRE – the innovative shade sail that perfectly combines sun sails and umbrellas. Thanks to its unique design, SOLÉRE only requires a central support.

The supporting structure is based on the mast technology of a sailboat: a furling axis and sail extension arms with integrated tensioning are stabilized by high-strength stainless steel cables – a proven concept from the BARTELS Yachtsport program. This design ensures excellent wind stability and optimal rainwater drainage.

The fully automatic operation, controlled by weather sensors, adjusts the shade sail independently to weather conditions – without the need for personnel. Integration into your building control system offers additional comfort options.

With a standard size of 6 × 6 m and the option to arrange multiple SOLÉRE modules in a series or area, the system is ideal for outdoor hospitality. The powder-coated surface areas can be customized in your desired RAL color, adding stylish accents.

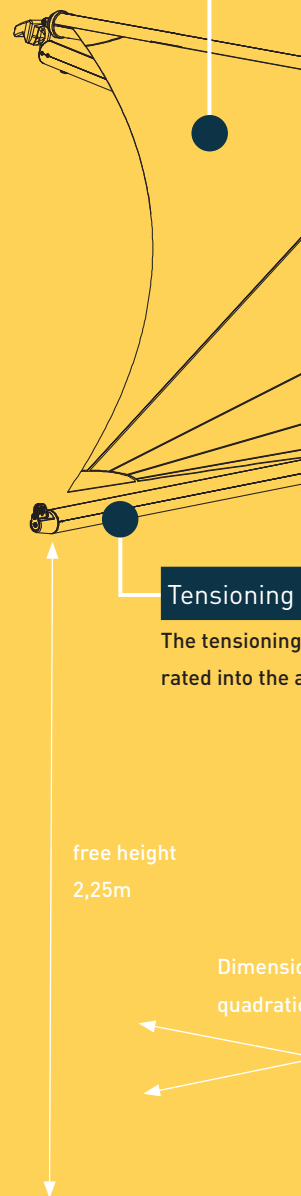
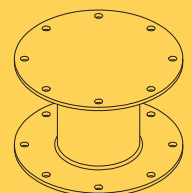
Dive into the world of modern shading with SOLÉRE – for maximum comfort, elegant design, and outstanding functionality.

Weather Control

Wind, rain, sun, temperature

Manual or automatic mode

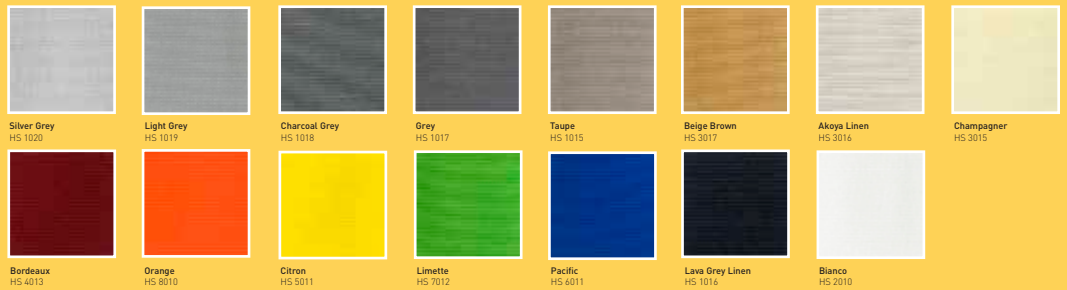
Alternatively, integration into any building control system is possible



Tensioning
The tensioning
rated into the a

free height
2,25m

Dimension
quadratic



Sail material HS 270

Colors according to color chart

Polyester fabric made from solution-dyed yarn with high-quality impregnation

UV-stabilized / oil- and dirt-repellent / antifungal

High tear resistance and excellent crease resistance

High color fastness

UV protection factor > 50

Surface powder coated

All surfaces are powder-coated as standard in RAL 7016 (Anthracite Grey)

Optional coating according to RAL color chart

Mast tube, extension arms, furling axis



Furling axis

Furling axis AL D102

230V drive internal

Powder-coated surface

Maritime rigging

Stainless steel wire 1x19 D5mm

Turnbuckle stainless steel

From the BARTELS Yachtsport program

Masts

Mast tube made of stainless steel D102

Powder-coated surface in RAL color

Optional LED spots (230V / 10W / 3,000K)

Mast fixings / foundations

Screw foundation (hot-dip galvanized steel)

Ground sleeve (hot-dip galvanized steel)

Flange base on mast tube (hot-dip galvanized steel)

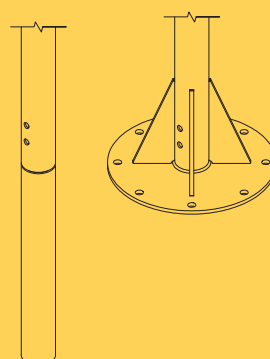
Flat roof mounting part (hot-dip galvanized steel)

Custom flanges upon request

Mastoptionen

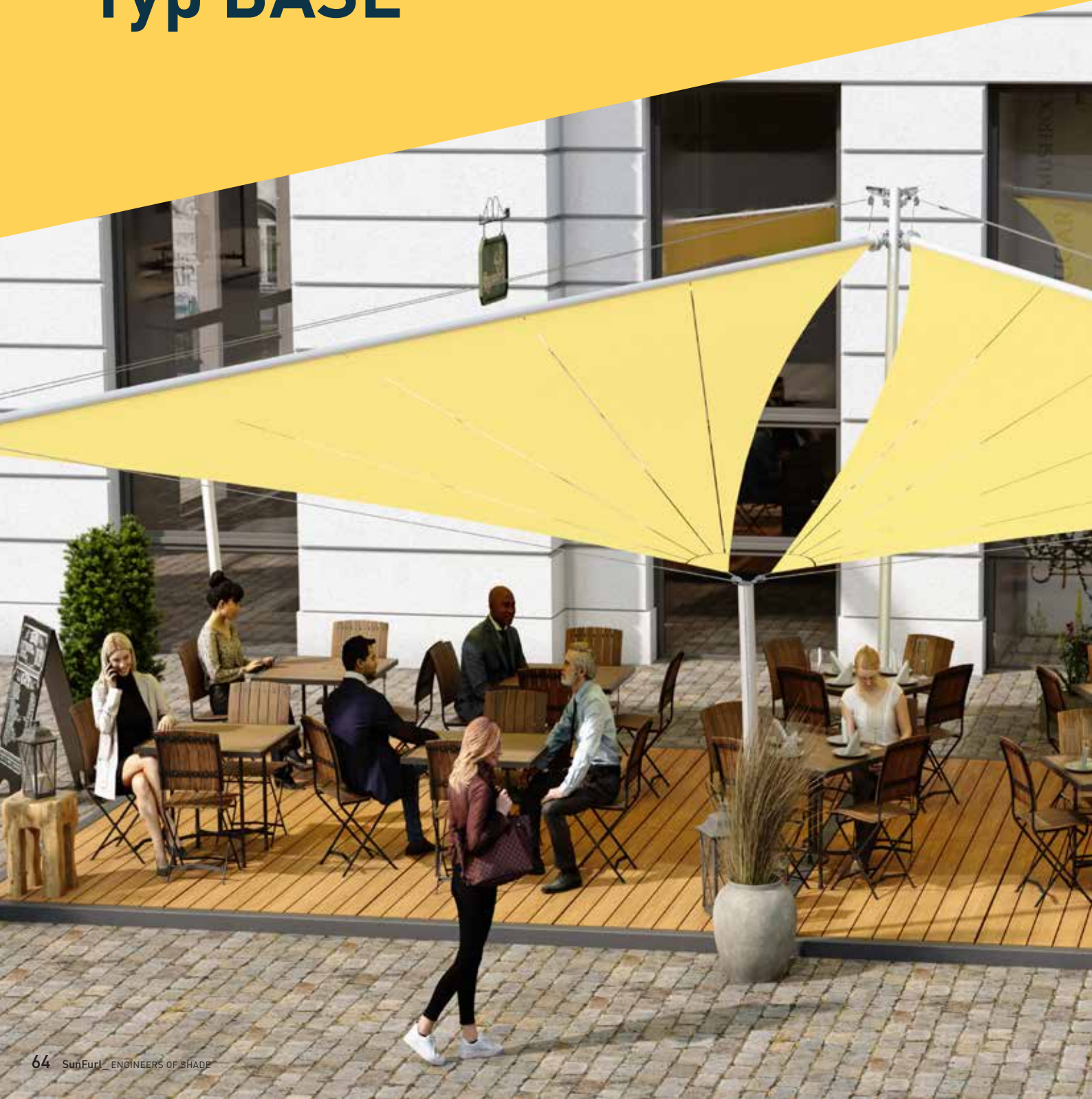
Straight mast for insertion into ground sleeve or screw foundation

Mast with flange plate for screwing onto concrete foundation



SunFurl *Shade sail*

Typ BASE



BASE

Design freedom without foundations

BASE is a freestanding, electrically retractable sun sail system that requires no foundations.

Ideal for rooftop terraces, underground parking decks, pedestrian zones, or temporary installations at trade fairs and events. Thanks to its sturdy frame, the system stands securely on any surface and can be easily relocated.

The fully electric control with weather automation and remote display ensures maximum comfort. BASE is assembled in one go and can be just as easily disassembled and reinstalled elsewhere.

A high-quality wooden floor within the frame creates a stylish retreat under the sail, separated from the surroundings. Whether used individually or in combination, BASE provides large-scale, automated shading without the need for extensive construction work. Quick installation in one day, offering full flexibility for your needs.

BASE – The clever solution for mobile and stylish shading.

Drive integrated into the furling axis

Control via weather sensor system

Alternatively, integration into building control system

Furling

Ø 86 m

Ø 102

Segel gefertigt
aus HS270

Spanntechnik im Mast integriert

Wartungsfreie Edelstahl

Pulverbeschichtung

optional Masten und Welle beschichtet

High fabric tension when extended

Low fabric tension when rolled up

Smooth operation due to moment balance at the drive

Both sails always under equal tension

Only one tensioning system required (stainless steel spring)

g axis

mm aluminum (BASE up to 5x5m)

mm aluminum (BASE from 6x6m)

Electrically retractable sun sails

Typ BASE

egriert
eder

Masts

Ø 86 mm aluminum

Optional with covering

High-quality Douglas fir grooved decking

Including substructure

BASE

Frame structure made of hot-dip galvanized steel

Torsion-resistant construction

High self-weight for optimal stability

Can be expanded freely in series or areas

Typ BASE

Components and options

The SunFurl BASE system is an innovative, freestanding sun sail solution with no fixed ground attachment.

It is ideal for rooftop terraces, pedestrian zones, or mobile applications such as beach bars and outdoor dining areas.

The robust frame construction eliminates the need for ground fixation, allowing the system to be flexibly placed.

The electrically retractable sun sail is fully automated via weather control, requiring no manual operation. It adjusts to changing weather conditions, automatically retracting in strong winds or rain. The high sail tension ensures exceptional wind stability and efficient rainwater drainage.

Thanks to its modular design, the BASE system can be individually expanded – as a standalone solution, in series, or for large-area shading. All components are made from high-quality materials and are optionally available with powder coating. The system offers maximum flexibility and is suitable for demanding outdoor areas, whether for seasonal or year-round use.

Sail material HS 270

Colors according to color chart

Polyester fabric made from solution-dyed quality impregnation

UV-stabilized / oil- and dirt-repellent / an

High tear resistance and excellent crease

High color fastness

UV protection factor > 50

Furling axis

Furling axis AL

D86 (up to 5x5m)

D102 (from 6x6m)

230V drive internal

Tensioning

The tensioning system
masts

Weather control

Wind, rain, sun, temperature

Manual or automatic mode

Alternatively, integration into any building control system is possible

Frame System

Steel frame 100x100 mm, hot-dip galvanized

Torsion-resistant construction

High self-weight for optimal stability

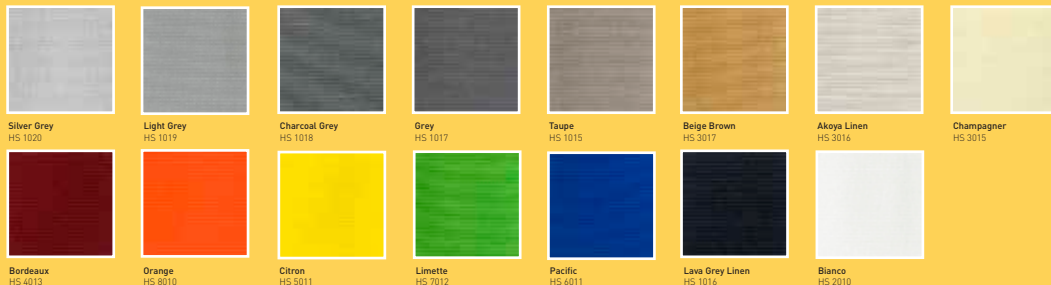
Floor options

Douglas fir grooved decking



yarn with high-

antifungal
resistance



Surfaces powder coated

All surfaces are powder-coated as standard in
RAL 7016 (Anthracite Grey)

Optional coating according to RAL color chart

Mast tube, extension arms, furling axis



Sail areas:

For 5x5m single = approx. 29 m²

For 5x5m double = approx. 58 m²

For 5x5m quadruple = approx.
116 m²

For 6x6m single = approx. 39 m²

For 6x6m double = approx. 78 m²

For 6x6m quadruple = approx.
156 m²

Masts

Mast tubes made of:

Aluminum D86 (up to 5x5m)

Aluminum D102 (from 6x6m)

Stainless steel D100 (from 6x6m)

Optional powder-coated surface in
RAL color

Systems are discreetly integrated into the

Combination of systems in series or area
is possible. Standard variants are 2-fold
and 4-fold (other variants available upon
request).

Large area shading

Combined RE systems



RE systems in row or area arrangement

For the shading of large areas, such as the outdoor areas of restaurants and event areas, systems can be arranged in rows or in areas. Masts can be used multiple times by adjacent systems.

The arrangement as an electrical RE system is advantageous, since only a minimum of tensioning units and masts is required here. The systems can be operated individually, in groups or all at the same time via the weather control display. The automatic mode of the weather control ensures safe operation without the need for operating personnel. The optimal solution for large shading tasks in publicly accessible areas.



Large area shading

combined
RE systems

Minimum number of wall panels
through multiple use

Free space under t
No masts within th

Any arrangement in a row or area is possible

Large area shading e.g. B. 16 x 8 m or z. B. 16 x 16 m

Safe, automated operation without operators

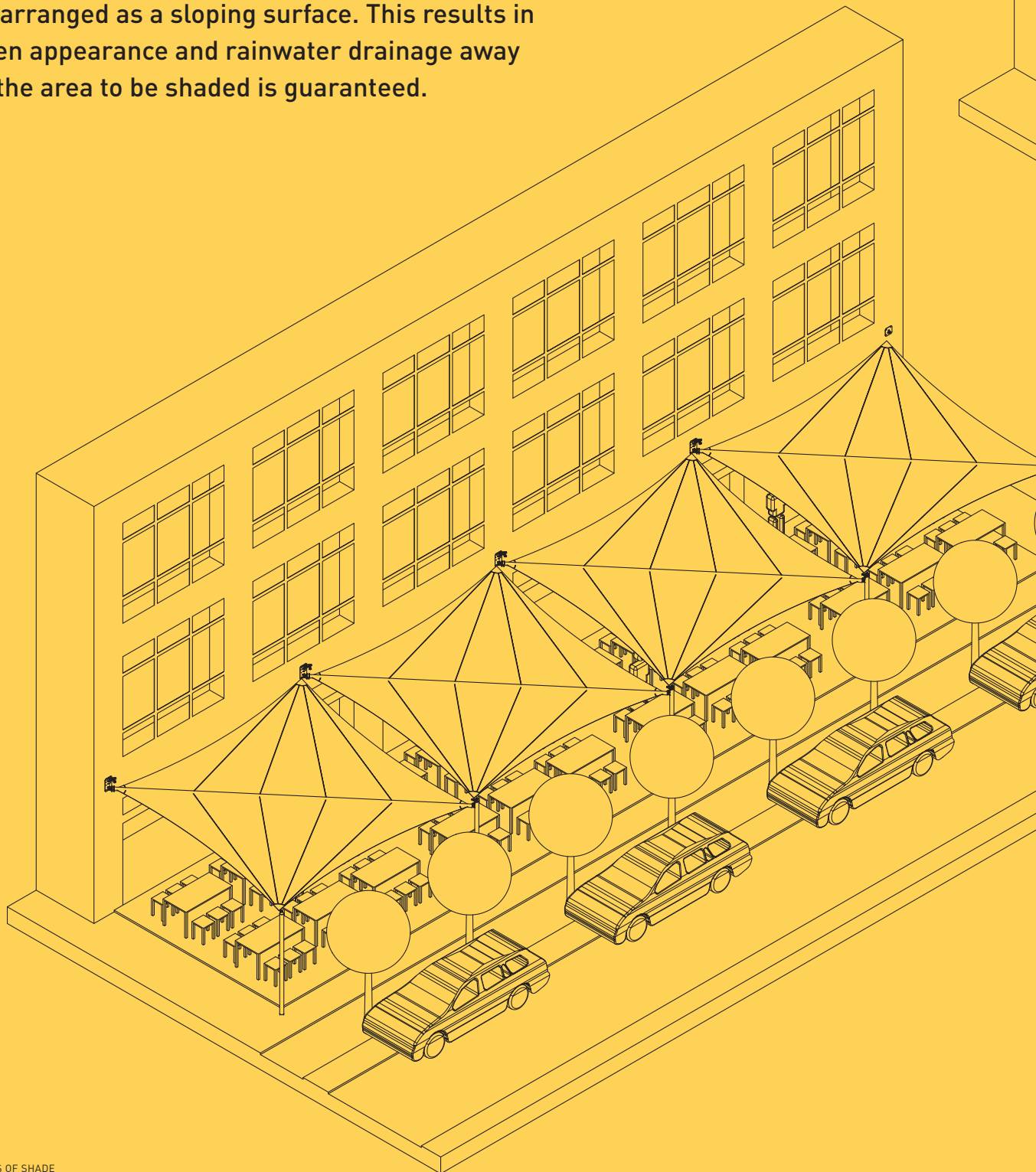
Ideal for restaurants, event areas, schools, day-care centers, public areas

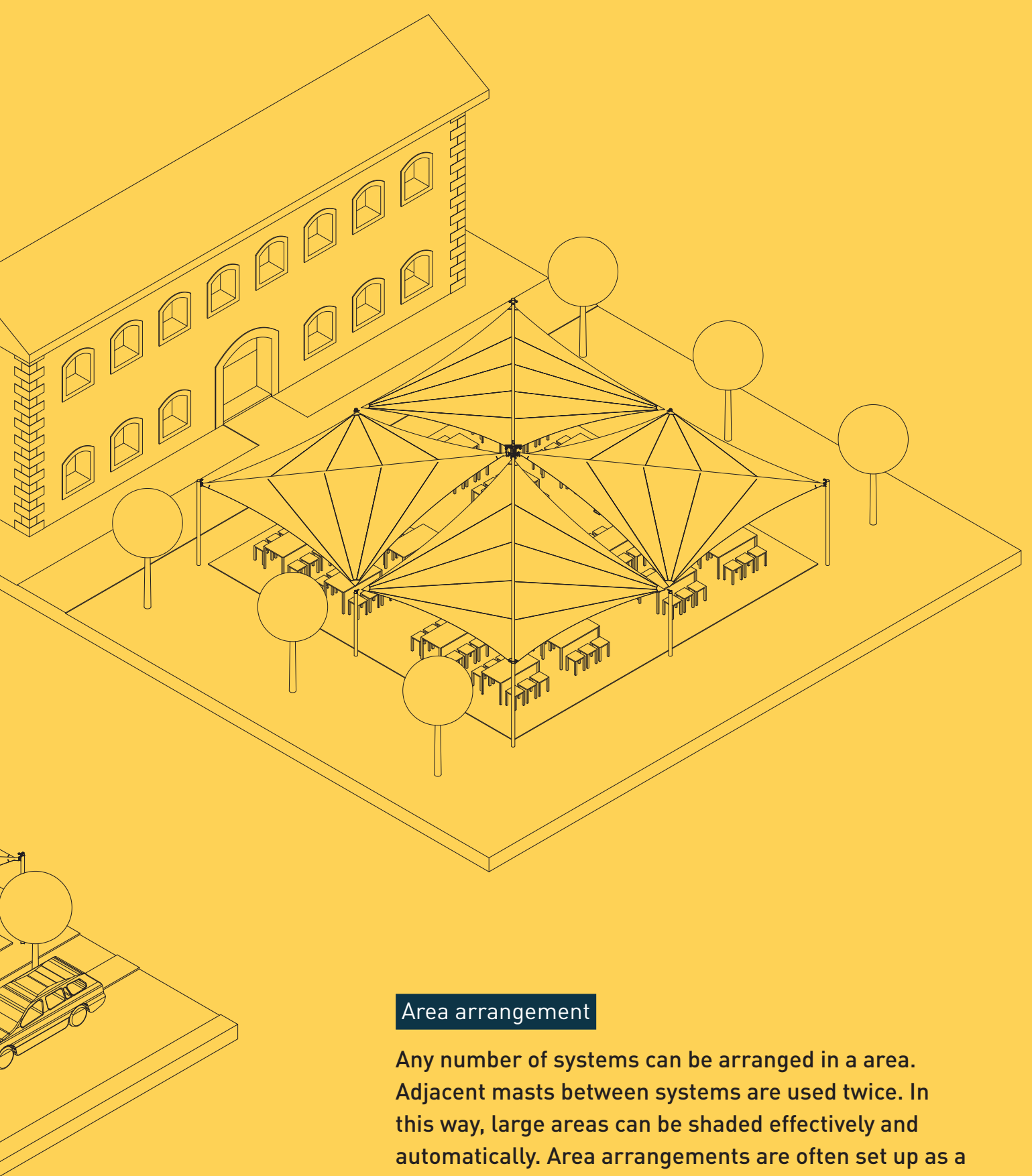


Type RE combined (row and area)

Row arrangement

As many systems as desired can be arranged in series next to each other. Adjacent masts or wall panels between systems are used twice. In this way, large, elongated areas can be shaded efficiently and automatically. Rows of buildings are often arranged as a sloping surface. This results in an even appearance and rainwater drainage away from the area to be shaded is guaranteed.





Area arrangement

Any number of systems can be arranged in a area. Adjacent masts between systems are used twice. In this way, large areas can be shaded effectively and automatically. Area arrangements are often set up as a 2 x 2 system, since the heights can be advantageously determined with this arrangement. This results in an even pattern and rainwater drainage away from the area to be shaded is ensured.



Summery color variety

Awning fabric HydroSol 270

Technical specifications

100% opaque

Easy cleaning

High color brilliance

UV protection 50+

UVA / UVB protection 99%

Spin-dyed, resulting in high color fastness

Closed fabric structure

Exceptionally high UV resistance

Very high tear resistance

Increased water column through Hydro
Finish

High kink resistance

Fabric weight 270 g/m²

Twice the breaking load compared to con-
ventional acrylic fabrics

Fabric and colors

For the production of our SunFurl sun sails we use the proven and tested fabric HydroSol 270. With a weight of 270g / m² it is extremely light for a sun sail fabric. It also offers very high UV resistance, enormous tear resistance and high UV protection. In addition, an increased water column through the hydro finish. HydroSol 270 offers all the properties that one could wish for in a sun sail fabric!

We recommend the use of SolMesh 340 mesh fabric for daycare sails. This offers maximum UV protection and is also permeable to air to avoid heat build-up.



Beige Brown
HS 3017



Champagne
HS 3015



Bianco
HS 2010



Desert Sand
SM 3011
(other SolMesh 340 colors see page 51)



Bordeaux
HS 4013



Akoya Linen
HS 3016



Orange
HS 8010



Taupe
HS 1015



Citron
HS 5011



Silver Grey
HS 1020



Limette
HS 7012



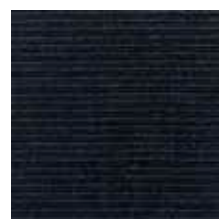
Light Grey
HS 1019



Pacific
HS 6011



Charcoal Grey
HS 1018



Lava Grey Linen
HS 1016



Grey
HS 1017



„The SunFurl sail provides us with sun protection and privacy.“

Manufacturing & Origin

For more than 50 years, the name BARTELS has stood for high-quality nautical products that sailors all over the world rely on. Our products prove their worth in heavy weather and under stressful regatta conditions, which place extreme demands on material and crew.

SunFurl® is a registered trademark of BARTELS GmbH. For more than 20 years, SunFurl sun sails have been providing perfect protection on terraces, balconies and open spaces against sun and rain - with technically sophisticated high-tech sails.

The BARTELS team in Markdorf includes engineers and technicians: Master in development and production.

Good ideas and a strong team!



Quality management
according to DIN ISO 9001:2015
www.tuvsud.com/ms-zert



Certified welding company
DIN EN 15085-2 CL1



The green dot: We participate in the packaging recycling Duales System Deutschland GmbH



We are an IHK training company. We train young professionals in our company. We help to reduce the shortage of skilled workers and create jobs.

Impressions from the production



The BARTELS team develops and produces itself. Material knowledge and precision are of great importance.



Safety, functionality and design come first.



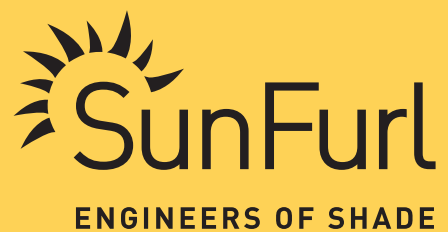
High-quality workmanship with sturdy edge straps, reinforcements on the extensions, stainless steel round rings and use of Tenara yarn



Exact CNC laser cutting



SunFurl sun sails are handcrafted by experienced sailmakers



SunFurl® resellers in your area

