



MORCO | 

SQ2 Folding-Arm Awning

THE BOTANIST

THE BOTANIST

THE BOTANIST

THE BOTANIST

José
Pizarro

Pizarro

SQ2 Folding - Arm Awning

Index

SQ2 Folding-Arm Awning

- 6 History & Present Day
- 8 Design & Craftsmanship
- 10 Application & Construction
- 12 Finishing & Customisation

Specification Guide

- 15 Overview

Housing

- 18 Recess Fitted

Arm

- 20 Arm

Fixings Specifications

- 22 Overview
- 23 Fixings
- 24 Bracket and Arm Position
- 25 Extraction Forces

Options

- 27 Operation
- 28 Sensors
- 29 Branding

Finishes

- 31 Fabric
- 34 Metalwork

SQ2 Fo



The SQ2 Folding-Arm Awning is designed specifically to be fully recessed inside a shopfront to create a seamless flat fascia. When the awning is fully retracted the only visible feature is the fascia panel. Ideally, this sophisticated solution needs to be specified by architects at the planning stage of a project, when our team can advise on the exact technical requirements.

LOUIS VUITTON



History

Morco was founded in London in 1956 by Mr G H Morrison as a specialist manufacturer of canopies, covers, sails and tarpaulins for London's busy waterways. His popularity with employees and customers saw his business grow steadily. In 1967, Morco moved to their current Riverside location on the Greenwich Peninsula. 1978 saw his son George take over the company and he was keen to put his design background to use. George soon began constructing specialist awnings on a much larger scale. With his obsessive eye for detail and quality, Morco soon gained a reputation across the UK for producing outstanding awnings.



Present Day

For over 50 years, we have established ourselves as the nation's leading design and manufacturer of custom-made awnings and canopies. We remain a family run business that prides itself on its heritage. There remains a dedicated and skilful team of craftsman and designers who all play a vital role in Morco's success story. The majority of products are still hand-built in our London workshop and a small amount are produced in Germany. Morco are keen to lead and invest heavily in pioneering new techniques or developing materials to both improve our end product and also deliver more options to our customers.



SHORYU



Design

Morco have a talented and experienced design team who are skilled at collaborating with architects, design teams, contractors or working independently to produce the best awning solution. We are able to provide sophisticated 3D-modelling on request, as well as supplying fabric samples. Morco also offer clients the opportunity to utilise their cutting-edge RAGS branding and pattern system which has revolutionised the traditional design parameters.



Craftsmanship

Our manufacturing team are dedicated and skilled craftsman who are proud of maintaining Morco's on-going reputation for producing awnings of outstanding build quality. Our attention to detail is second to none and is a key element in ensuring every awning manufactured in the workshop is constructed to the highest standard.





MORCO



SQ2 Folding-Arm Awning

Application

The SQ2 Folding-Arm Awning is a clever and elegant solution for a shopfront or fascia. The flat fascia panel when fully retracted gives a seamless appearance that hides the awnings sophisticated technology. The SQ2 is stylish, strong and durable and offers excellent branding opportunity. The SQ2 operation is totally automated via a hand held or wall mounted remote control. You can also specify weather-sensitive sensors that will extend or retract the awning depending on the weather conditions.



Construction

The SQ2 is precision engineered to produce a seamless end product. The SQ2 is a much sought after solution for architects and design studios and for this reason, it is most suited to projects when they are still at planning stage to ensure the correct manufacturing specification.





MORCO



SQ2 Folding-Arm Awning

Finishing

With a wide range of fabric colours and metal finishes available, the SQ2 Folding-Arm Awning offers endless possibilities to suit any setting. All finishes also give the SQ2 greater resilience – metalwork is powder coated and the fabric is solution dyed and protected to maintain resistance throughout the life span of the awning and withstand the most demanding weather conditions. There are a number of colour options and finishes for the metalwork and the canvas can be chosen from a wide range of colours or utilise Morco's RAGS branding and pattern system.



Customisation

The SQ2 Folding-Arm Awning is fully customisable. There is a wide range of colours for the cover fabric which we can further customise using our unique RAGS branding process. For opening and closing operation, the SQ2 provides two options, either a hand held remote control or a wall mounted remote. The SQ2 can also come with weather sensitive sensors. These include a vibration sensor that retracts the awning automatically in windy conditions or a sensor that can automatically extend the SQ2 in rainy or sunny weather.



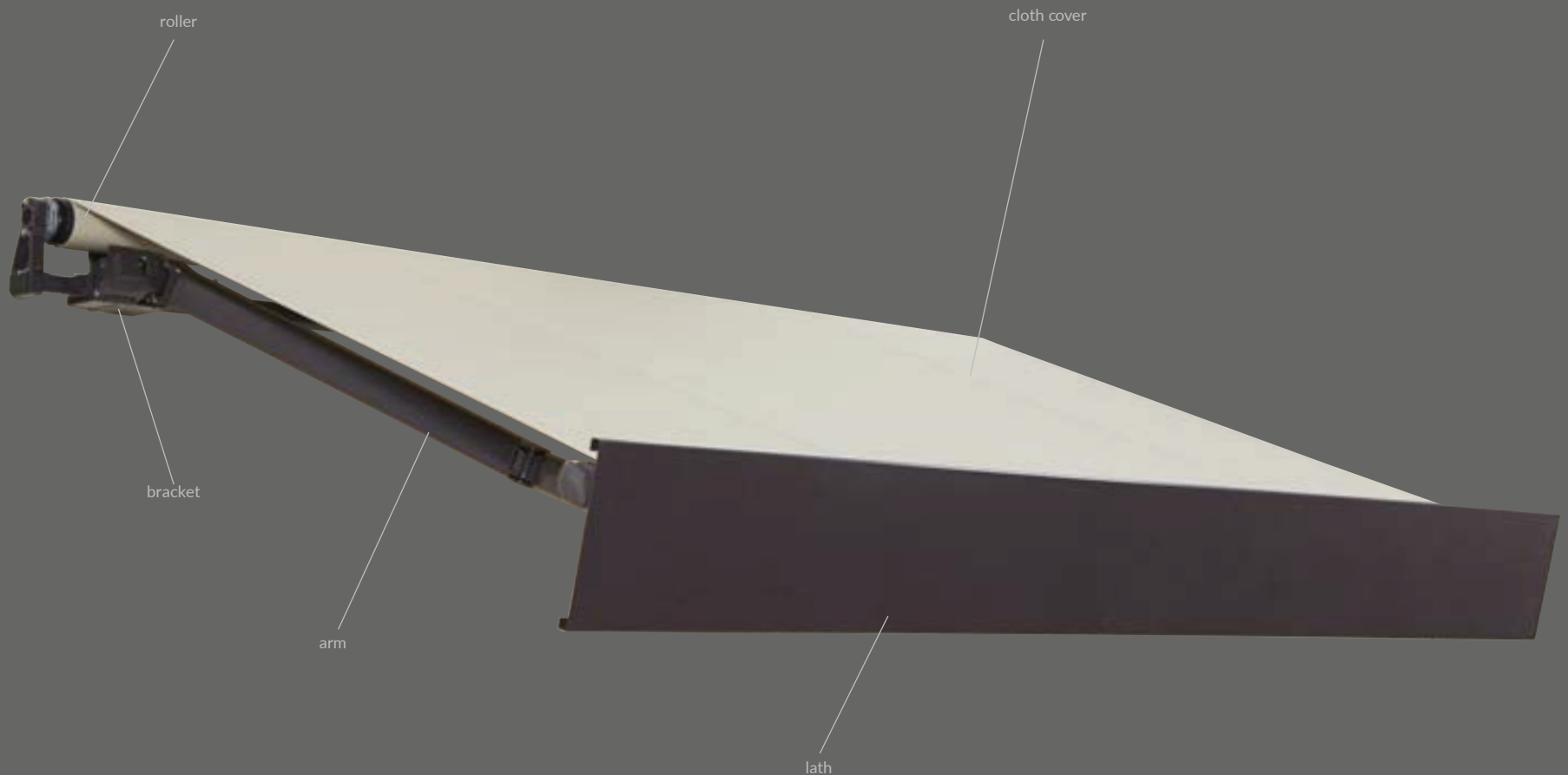
MARLBOROUGH

MARLBOROUGH
CONFERENCE

MARLBOROUGH
FINANCIAL



SQ2 Folding-Arm Awning | Overview



Maximum width: 6m

Maximum projection: 3.5m (subject to suitable fixing height)

Pitch*: from 10° to 30°

Operation: electric (either side of the roller)

Wind resistance: Beaufort 5 (up to 24mph)

*Note: If the awning's angle of pitch is less than 25% = 14°, measured from the horizontal, it must not be opened in the rain. There is a risk of puddles forming in the awning fabric which could damage the awning or cause it to fall.



Housing

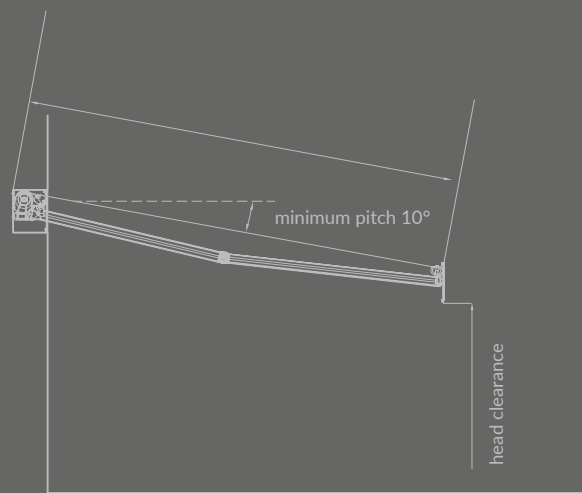


Arm

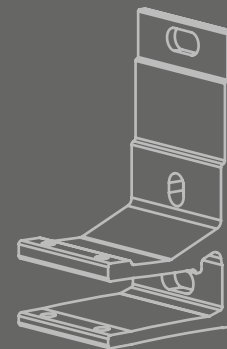


SQ2 Folding-Arm Awning | Arm

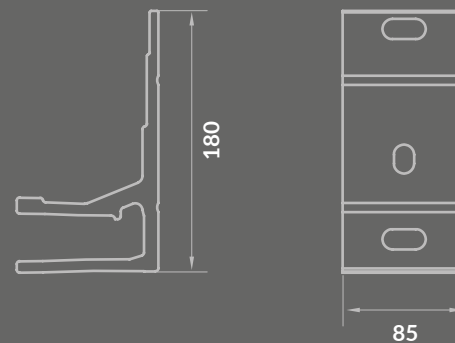
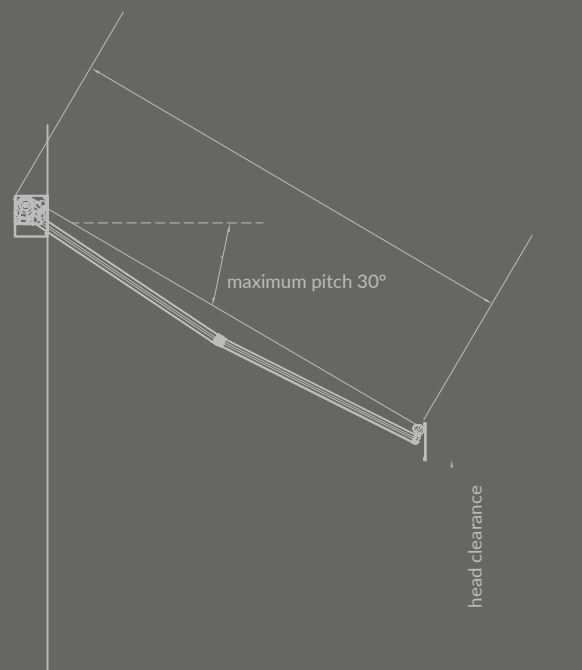
Typical Cross Section I



Fixing Bracket 85mm



Typical Cross Section II



Minimum head clearance: 2.2m

Maximum projection: 3.5m

Maximum width: 6.0m

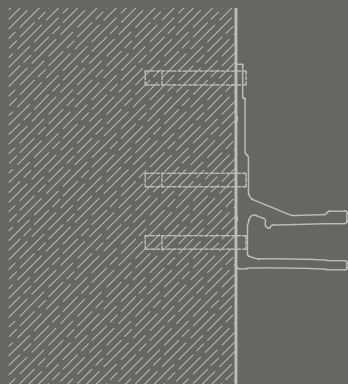
Minimum pitch 10°, maximum pitch 30°.



Fixing Specifications

SQ2 Folding-Arm Awning | Fixing Specifications | Fixings

Timber



Hardwood

Fixing: Coach screw

Size: M12 x 65mm

Depth: 50mm (min)

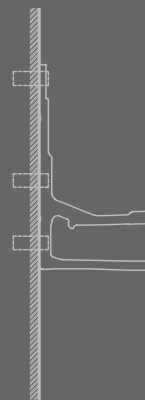
Softwood

Fixing: Coach screw

Size: M12 x 80mm

Depth: 75mm (min)

Steel



Fixing: Hex bolt

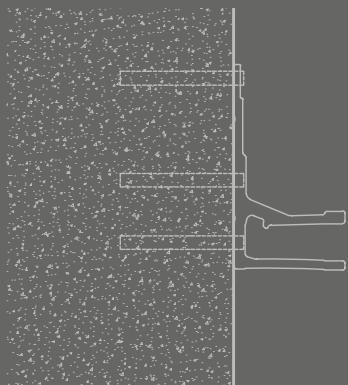
Size: M12 x 20mm

Depth: 8mm (minimum)

Fixing position: see page 24.

Please note: the information on this page is for guidance only. All projects to be evaluated after site visit.

Concrete/Brickwork

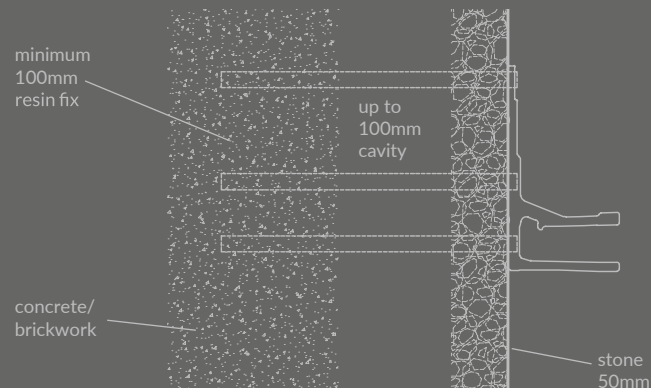


Fixing: Anchor bolt

Size: M12 x 100mm

Depth: 100mm (min)

Fascia Cladding







Fixing: Resin bolt / studding M14

Size: M14 (studding length subject to application)

Depth: 250mm (min)

Selection table for wall brackets and anchoring system

Wall installation on C20/25 concrete with up to 200 mm of facing, extraction force in N per upper fixing for wall bracket.

Width in cm	Projec	m				
	150	200	250	300	350	
250	932 466 233 270	1979 990 495 400	1955 978 489 568			Consult table for extraction force per fixing for selected awning size.
300	1076 538 269 312	1595 798 399 462	2257 1129 564 654	2971 1486 743 862		
350	1220 610 305 354	1811 906 453 526	2560 1280 640 742	3372 1686 843 978	4399 2200 1100 1276	Select a wall bracket/ h there is a fastener which can resist the indicated extr force. Remember to take into account the spacing, the area which will be damaged if the fixing breaks out, the type of fi xing used and the assembly base.
400	1364 682 341 396	2028 1014 507 588	2862 1431 716 830	3773 1887 943 1094	4912 2456 1228 1424	
450	1508 754 377 438	2244 1122 561 650	3164 1582 791 918	4174 2087 1044 1210	5425 2713 1356 1574	<div>  1 standard wall bracket (85 mm) plus 1 standard wall bracket (85 mm) as a central bracket from 401 cm, 1 standard wall bracket (85 mm) per awning arm, fasteners: 4 in all </div> <div>  1 standard wall bracket (85 mm) plus 1 standard wall bracket (85 mm) as a central bracket from 401 cm, 2 standard wall brackets (85 mm) per awning arm, fasteners: 8 in all </div> <div> or </div> <div> 1 wall bracket (260 mm) plus 1 standard wall bracket (85 mm) as a central bracket from 401 cm, 1 wall bracket (260 mm) per awning arm, fasteners: 8 in all </div>
500	1652 826 413 480	2461 1231 615 714	3466 1733 867 1006	4575 2288 1144 1326	6736 3368 1684 1954	
550	1796 898 449 520	2677 1339 669 776	3768 1884 942 1092	5533 2767 1383 1634	7331* 3666 1833 2126	<div>  1 wall bracket (260 mm) plus 1 standard wall bracket (85 mm) as a central bracket from 401 cm, 2 wall brackets (260 mm) per awning arm, fasteners: 16 in all </div> <div>  late (280 x 240 mm) incl. 1 standard wall bracket (85 mm), standard wall bracket (85 mm) incl. base plate, fasteners: 8 in all </div>
600	1940 970 485 562	2894 1447 724 840	4070 2035 1018 1180	6095 3048 1524 1768	7927* 3964 1982 2298	

* 2 brackets required per awning arm

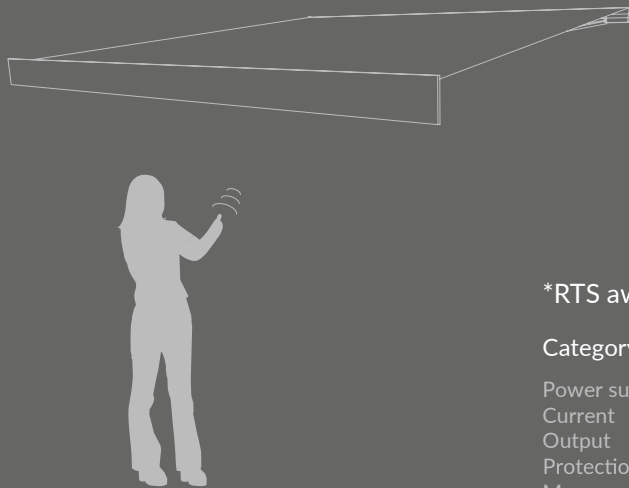
Options



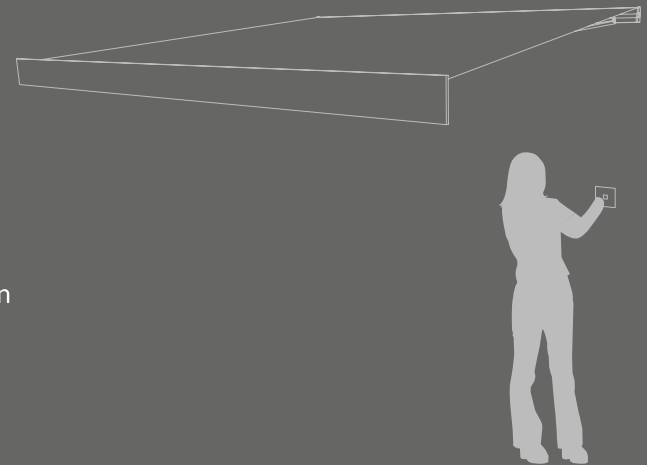


SQ2 Folding-Arm Awning | Options | Operation

Electric Operation Hand Held Remote



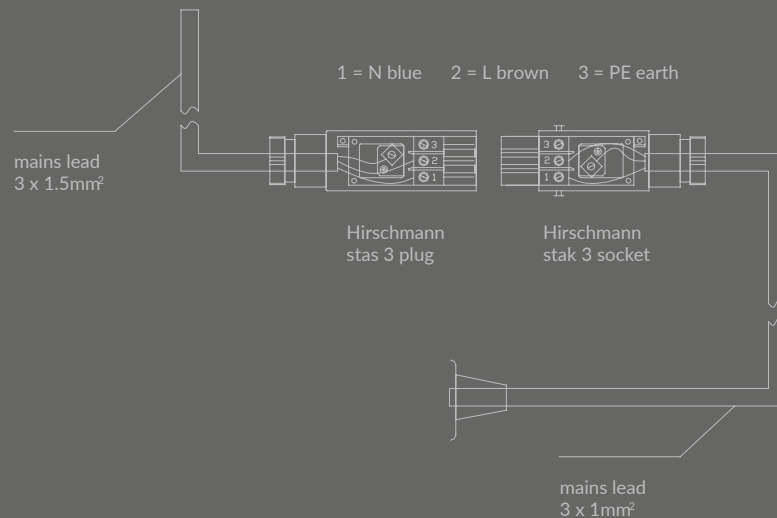
Electric Operation Wall Mounted Remote



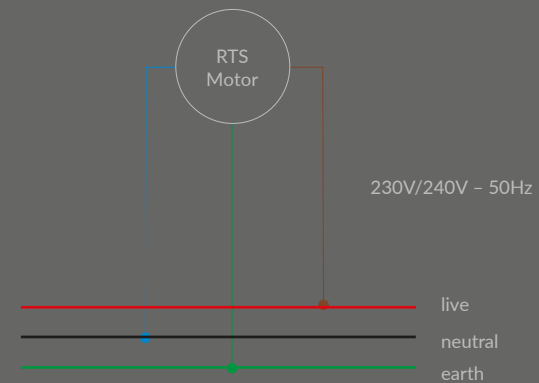
*RTS awning motor - Information

Category	Rating
Power supply	230 Volt AC
Current	1,5 Amps
Output	320 Watt
Protection class	IP 44
Max. operating time	Approx. 3 to 4 minutes

Wiring Diagram - Hirschmann Plug



Electrical Requirements



Please note: electrical pull of the awning motor is less than 3A.

Vibration sensor



Vibration sensor – standard product protection

The integrated vibration sensor automatically retracts the awning (e.g. from gusts of wind).

- threshold value adjustable
- comes as standard in most width/projection combinations (with some exceptions)
- energy-saving technology
- battery life 2 years
- automatic battery replacement system on registration
- awning remains in place approx. 20 minutes after retraction

Sun, wind & rain sensors



Sun, wind and rain sensors – automatically protect your product and prevent excess heat (optional)

The sensor automatically extends the awning when the sun shines and reliably retracts it in the wind or rain.



SQ2 Folding-Arm Awning | Options | Branding

Cover

Logo



Text



Full pattern



Gilding



Fascia

Logo



Text



Full pattern




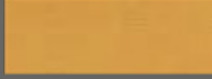

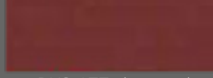


Gilding





SQ2 Folding-Arm Awning | Finishes | Fabric Plain |

						
RKS-099 white	RKS-317 haya	RKS-122 seashell	RKS-117 raw	RKS-415 marble	RKS-217 ivory	RKS-220 argent
						
RKS-148 desert	RKS-115 cream	RKS-121 wheat	RKS-779 beige tweed	RKS-180 sand	RKS-145 tenerife	RKS-222 oak buff
						
RKS-133 cinnamon	RKS-126 linen	RKS-107 champagne	RKS-108 vanilla	RKS-113 cava	RKS-119 duna	RKS-100 beige
						
RKS-178 toast	RKS-139 heather beige	RKS-143 hemp beige	RKS-775 linen tweed	RKS-188 lemon	RKS-237 pineapple	RKS-239 yellow tweed
						
RKS-554 yellow	RKS-240 honey	RKS-149 corn	RKS-111 camel	RKS-158 ochre	RKS-101 mandarin	RKS-567 orange
						
RKS-185 pumpkin	RKS-106 Flamingo	RKS-241 Phoenix	RKS-105 salmon	RKS-176 red	RKS-182 vermillion	RKS-177 burgundy
						
RKS-104 chestnut	RKS-195 cacao	RKS-243 tapenade	RKS-244 dun	RKS-156 brown	RKS-181 coffee	RKS-165 mauve
						
RKS-110 lily	RKS-171 turquoise	RKS-193 light blue	RKS-229 sapphire	RKS-169 steel blue	RKS-172 blue	RKS-232 denim
						
RKS-173 dark blue	RKS-236 jeans	RKS-170 admiral blue	RKS-199 atlantic blue	RKS-174 navy blue	RKS-175 captain navy	RKS-189 lime



SQ2 Folding-Arm Awning | Finishes | Fabric Plain II

						
RKS-160 pistachio	RKS-187 jade	RKS-162 khaki	RKS-142 emerald	RKS-163 green	RKS-248 hunter	RKS-102 forest green
						
RKS-114 pearl	RKS-197 lead tweed	RKS-112 graphite	RKS-186 silver	RKS-196 titanium	RKS-123 argenta grey	RKS-138 cadet grey
						
RKS-161 grey	RKS-224 dun grey	RKS-152 taupe	RKS-127 moonrock	RKS-194 ash	RKS-776 taupe tweed	RKS-198 nickel
						
RKS-774 smoke tweed	RKS-164 charcoal grey	RKS-770 charcoal tweed	RKS-150 dark grey	RKS-103 black		



SQ2 Folding-Arm Awning | Finishes | Fabric Striped



RKS-017 white black



RKS-252 vanilla beige



RKS-058 ochre brown



RKS-166 foix



RKS-061 white grey



RKS-223 perelló



RKS-055 white yellow



RKS-014 white green



RKS-056 white brown



RKS-630 zaidin



RKS-012 white red



RKS-144 maella



RKS-206 cabanes



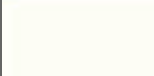



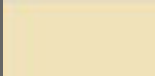










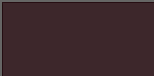




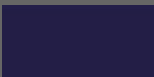





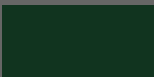
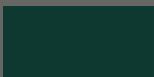


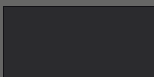



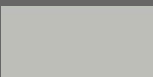

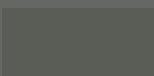
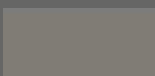





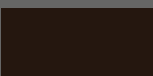

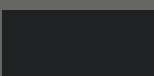

RKS-211 falset



RKS-016 white blue

Other combinations of colours also available

Standard frame colours

								
9016	9010	9006	9001	1015	1014	1002	1003	1023
								
1034	2000	2011	2002	3002	3004	3007	4005	4006
								
5005	5009	5022	5014	5024	5021	6011	6005	6009
								
6012	7015	7016	7021	7030	7032	7040	7319	7035
								
7039	9007	8001	8003	8014	8016	8017	8019	8022
								
8077	9005							

Please note, frames can be powdercoated to any RAL colour, however there is a surcharge for any non-standard colour.

As a result of the ban on the use of heavy metals in powder coatings, paint manufacturers can no longer guarantee colour stability despite making every effort to do so. It therefore cannot be excluded that colours in general may fade with time. For technical reasons, the colour may appear different when printed.

