

WIND AND SUN SCREEN

SL400

art.no. 49009

DOORS

SHUTTERS

SUN PROTECTION

HAROL®

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1. GENERAL

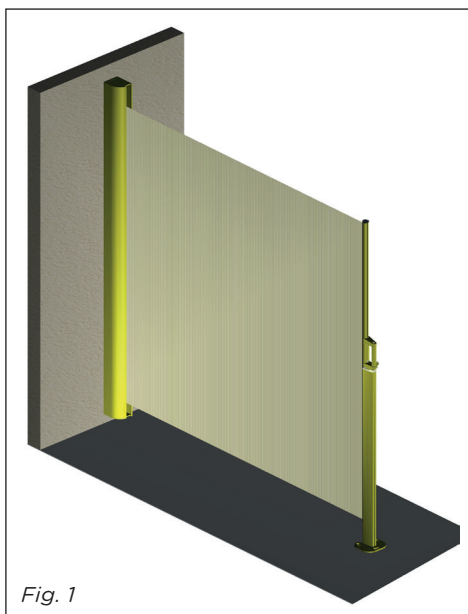


Fig. 1:
The SL400

SL400 – the lateral wind and sun screen with attractive extras. The SL400 serves as a privacy, wind and sun screen for patios, balconies and outdoor cafés and can also be used as a side screen for a folding arm awning.

The screen is opened manually by pulling the pull bar with handgrip outwards and securing it to a fixed support at the fully extended position. The screen fabric is held taught by a coil spring integrated into the roller. A hydraulic brake causes a delayed roll-up of the cloth. To ensure proper retraction, the slope of the ground may not exceed 1 cm/metre.

The SL400 is available in all RAL colours.

2. MINIMUM AND MAXIMUM SIZES

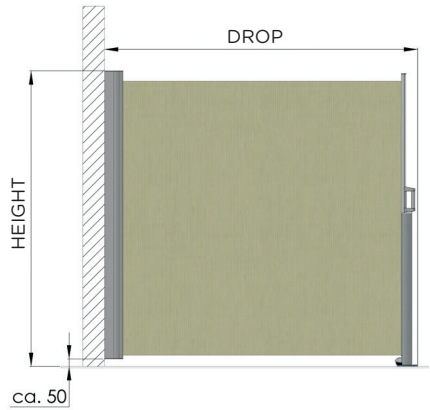
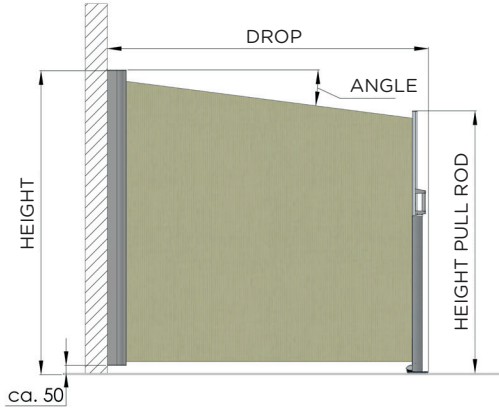
				
	STRAIGHT		ANGLED	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
Height (incl. 50 mm from the floor)	1400 mm	2150 mm	1450 mm	2550 mm
Drop	1000 mm	4000 mm	1000 mm	4000 mm
Height pull rod	1310 mm	2060 mm	600 mm	2400 mm
Angle	--	--	5° (slope of 87 mm per metre)	15° (slope of 270 mm per metre)

Table 1: Minimum and maximum sizes

3. FABRICS

3.1. Fabric types

The following fabric types are available:

- Acrylic fabrics from Dickson ORCHESTRA.
- Fabrics from the Harol Top collection.
- Fabrics from the Soltis 86, 92 and 96 collection.

3.2. Fabric opening

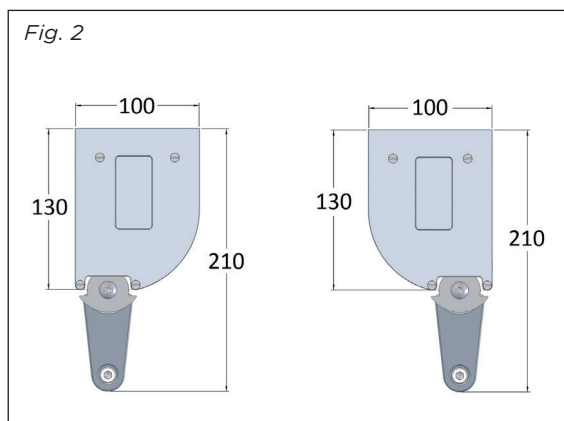


Fig. 2:
Fabric opening left and right

3.3. Fabric construction

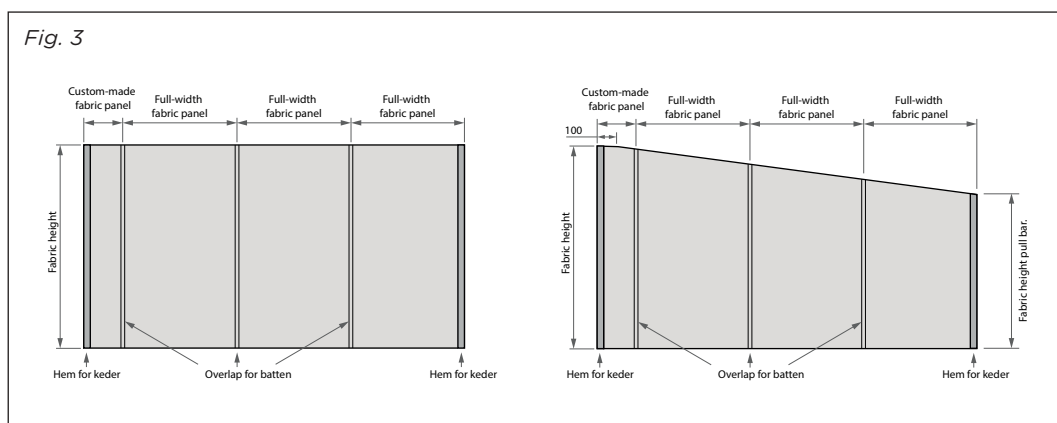


Fig. 3:
Fabric constructions

This is a configuration of the fabric with the longest drop.

The number of stiffeners varies according to the drop length and the fabric type: i.e. every 1200 mm for acrylic and every 1700 mm for Soltis 86, 92 and 96.

The awning is always supplied with vertical rows.

4. OPERATION

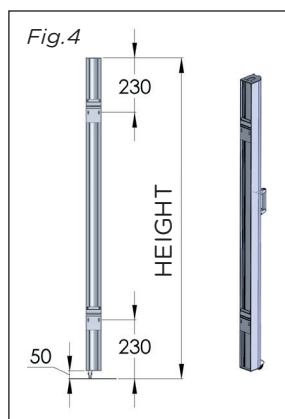
Operation is by means of a pull bar. The roller in the housing has an integrated coil spring (63 mm dia.).

5. WEIGHT

The weight of the SL400 is 7 to 9 kg per metre of height.

6. MOUNTING THE BOX AND SUPPORT SYSTEM

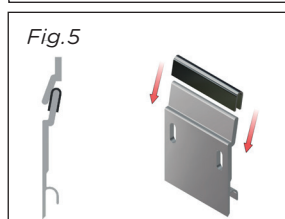
6.1. Mounting the box



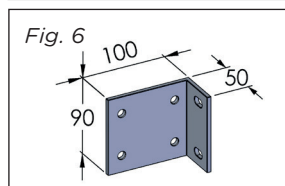
The height of the mounting brackets on the wall must match the distance between the brackets on the wind and sun screen. The housing of the wind and sun screen must be placed vertically, 50 mm above the ground, to accommodate the wheel at the bottom of the pull bar.

The choice of fastening materials for attachment of the brackets depends greatly on the mounting surface.

For walls made of cellular concrete blocks or soft/hollow bricks it is necessary to use appropriate fastening materials such as expansion bolts, chemical anchors, etc. The installer is responsible for selecting the best method.



The screen will be foreseen with max. 2 brackets. Harol accepts no responsibility for fasteners that do not hold securely. Each awning has a maximum of 2 brackets. A rubber damper is placed over each wall bracket. The SL400 is then hoisted over the brackets and pressed downwards, so that the awning is sufficiently protected and tightly secured. For heavier awnings it is best for two persons to mount the wind screen.



There is also the option to mount the box using angled profiles: Option **A2638**: Wall bracket for the box.

Fig. 4:
Position of box brackets

Fig. 5:
Wall bracket

Fig. 6:
Optional for the box

6.2. Installation of the support system

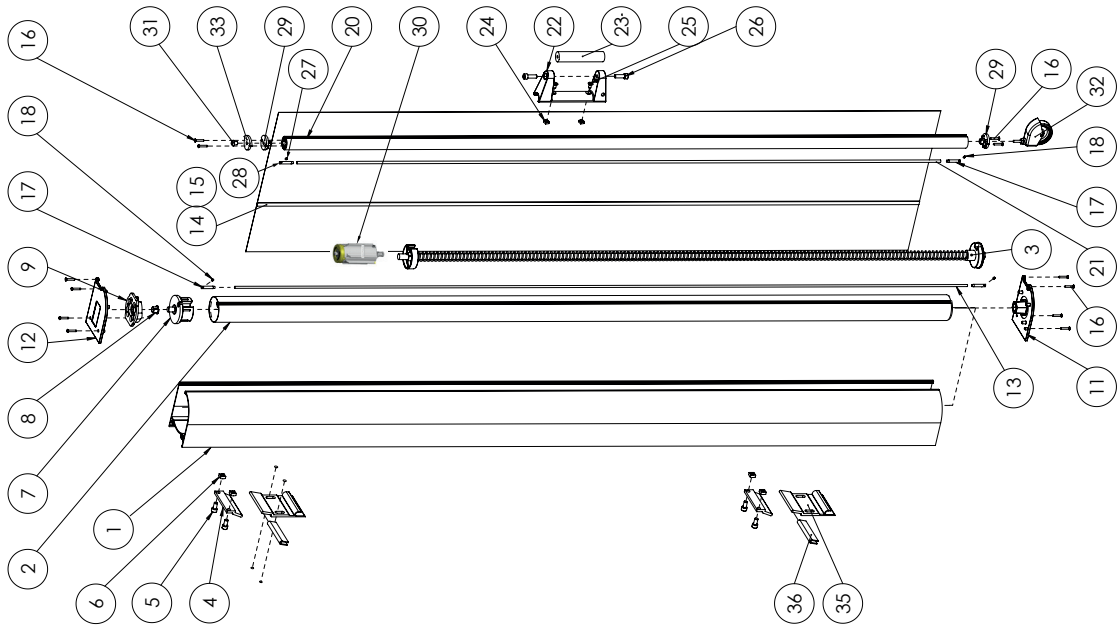
There are various possibilities for installation of the support system. One type of support is designed for attachment to the floor, and it can also be attached to a concrete anchor or floor anchor. There is also a support designed for attachment to a wall or railing. The height is dependent on the screen height; as a rule of thumb, the latch mechanism should be positioned at half the height of the screen. Make sure the support system is securely anchored!

ASSEMBLY SYSTEMS		
Floor assembly	Wall assembly	Railing assembly
A2642 	A2644 	A2643
Floor assembly options		Wall or floor assembly options
A2640 concrete anchor 	A2641 floor anchor 	A2639 Wall bracket for column

Table 2: Assembly systems

7. EXPLODED VIEW SL400

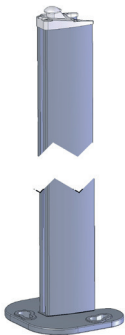
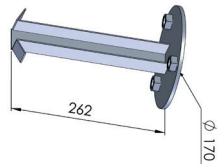
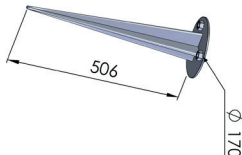
NO.	ART. NO.	NAME
18	11926	DIN914 M4 x 8 stainless
20	48558	Pulling profil SL400
21	2122	Pvc insert dia 6 mm
22	48559	Handle
23	48560	Insert part for handle
24	48593	Square nut DIN 557 A2 M6
25	19175	Screw DIN 7991 A2 M6 x 12
26	48587	Hex socket cap screw DIN 912 A2 M8 25
27	11926	DIN 914 M4x8
28	11462	torpedo clamp 6x35
29	48561	Cover for pulling profil SL400
30	63616	Hydraulic brake SL400
31	48592	Screw DIN 7380 A2 M8 x 10
32	48562	Role with axe
33	48574	Stop slope
35	48563	Wall bracket SL400 - blank
36	48572	Protection rubber SL400 20 x 10 x 2

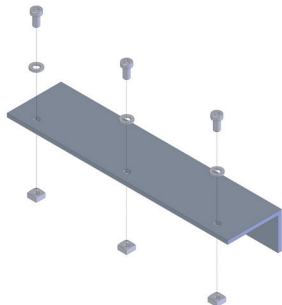


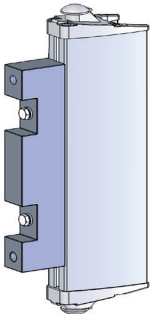
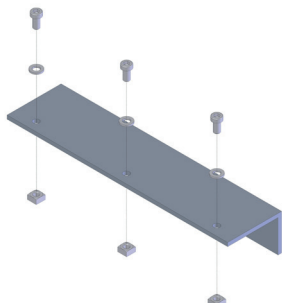
NO.	ART. NO.	NAME
1	48545	Box profil SL400
2	50162	Rollertube FN dia 63 mm
3	48549	Spring axe for rollertube 60 mm L = 1,16 m 16 t
4	48547	Box bowprofile SL400
5	42429	Hex socket cap screw DIN 912 A2 M8 x 16
6	48594	Square nut DIN557 A2 M8
7	48548	Gudgeon 63 mm SL400 with axe 12 mm
8	40199	Sliding bearing
9	48551	Bearing flange SL400
10		Fabric
11	48556	Side cinsole with HEX17 SL400
12	48557	Side console SL400
13	2123	Pvc insert dia 5 mm
14	48553	Fabric stabilisator SL400 L = 2 m 9 x 2,5
15	48555	Fabric stabilisator SL400 L = 2,5 m 9 x 2,6
16	48597	Screw DIN 7982C A2 3,9 x 25
17	11462	Torpedoclamp

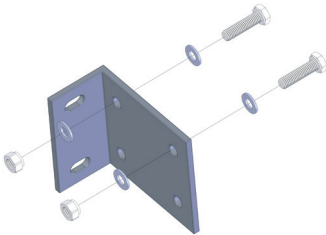
Fig. 7: Exploded view SL400

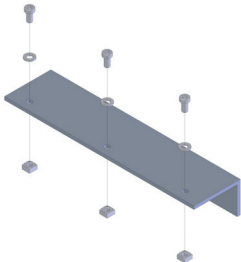
8. PARTS OF THE SUPPORT SYSTEMS

FLOOR ASSEMBLY	OPTION		ART. NO.	NAME	ADDITIONAL OPTIONS	
	A2642		48579	GROUND MOUNTING PLATE SL400 BLANK	A2640 Concrete anchor	
			48580	COVER FOR COLUMN PROFIL SL400		
			48590	SCREW DIN7500M A2 M5 X 25		
			48578	COLUMN PROFILE SL400 BLANK	A2641 Floor anchor	
			48582	SAFEGUARD FOR HANDLE INCL. CABLE SL400		

RAILING ASSEMBLY	OPTION		ART. NO.	NAME	ADDITIONAL OPTIONS	
	A2643		48581	COVER PLATE SL400	A2639 Wall bracket for column	 composition see next page
			48580	COVER FOR COLUMN PROFIL SL400		
			48590	SCREW DIN7500M A2 M5 X 25		
			48578	COLUMN PROFILE SL400 BLANK		
			48582	SAFEGUARD FOR HANDLE INCL CABLE SL400		
			48591	SCREW DIN7500C A2 M5 X 10		
			48583	WALL MOUNTING BLOCK		
			48588	SCREW DIN933 A2 M6 X 35		
			2273	PLAIN WASHER DIN 125A M6		
			48593	SQUARE NUT DIN557 A2 M6		

WALL ASSEMBLY	OPTION		ART. NO.	NAME	ADDITIONAL OPTIONS	
	A2644		48580	COVER FOR COLUMN PROFIL SL400	A2639 Wall bracket for column	 composition see next page
			48590	SCREW DIN7500M A2 M5 X 25		
			48678	COLUMN PROFILE SL400 BLANK		
			48582	SAFEGUARD FOR HANDLE INCL CABLE SL400		
			48583	WALL MOUNTING BLOCK		
			48588	SCREW DIN933 A2 M6 X 35		
			2273	PLAIN WASHER DIN 125A M6		
			48593	SQUARE NUT DIN557 A2 M6		

OPTIONAL	OPTION 'WALL BRACKET FOR THE BOX'		
	A2638		
		ART. NO.	NAME
		48575	MOUNTING ANGLED PROFILE SL400
		2277	PLAIN WASHER DIN 125A A2 M8
		8219	BOLT HEX. DIN 933 A2 M8 X 25
	42820	SELF LOCK NUT DIN 985 A2 M8	

OPTION 'WALL BRACKET FOR COLUMN'											
A2639											
	<table><tr><th>ART. NO.</th><th>NAME</th></tr><tr><td>48584</td><td>MOUNTING ANGLED PROFILE COLUMN SL400</td></tr><tr><td>2273</td><td>PLAIN WASHER DIN 125A A2 M6</td></tr><tr><td>48589</td><td>BOLT HEX. DIN 6912 A2 M6 X 12</td></tr><tr><td>48593</td><td>SQUARE NUT DIN 557 A2 M6</td></tr></table>	ART. NO.	NAME	48584	MOUNTING ANGLED PROFILE COLUMN SL400	2273	PLAIN WASHER DIN 125A A2 M6	48589	BOLT HEX. DIN 6912 A2 M6 X 12	48593	SQUARE NUT DIN 557 A2 M6
	ART. NO.	NAME									
	48584	MOUNTING ANGLED PROFILE COLUMN SL400									
	2273	PLAIN WASHER DIN 125A A2 M6									
48589	BOLT HEX. DIN 6912 A2 M6 X 12										
48593	SQUARE NUT DIN 557 A2 M6										

9. ORDER FORM

9.1. Customer information

The customer information and delivery address are entered in the top box, together with the order date and the desired delivery date.

9.2. Entry of the actual product

– TYPE & QUANTITY

- Make a choice between SL400/STRAIGHT or SL400/ANGLED.
- + number of identical wind screens and awnings.

– DROP

- Drop is the distance, when opened, between the box and the pull rod (including the box and pull rod).
- Drop is a minimum of 1000 mm and a maximum of 4000 mm.

– HEIGHT

- Height is the distance between the top of the box and the floor. This is including 50 mm from the wheel.
- For the straight SL400, the height is a minimum of 1400 mm and a maximum of 2150 mm.
- For the angled SL400, the height is a minimum of 1450 mm and a maximum of 2550 mm.

– HEIGHT PULL ROD (only relevant for angled SL400!)

- The height of the pull rod for the angled SL400 is a minimum of 600 mm and a maximum of 2400 mm.

– FABRIC OPENING

- Choose between left or right.

– COLOUR

- Choose the colour for the frame: housing, pull rod and handle in RAL colour.

– FABRIC

- First choose between ACRYLIC, SOLTIS 86, SOLTIS 92 or SOLTIS 96.
- Then choose the fabric reference (consult the standard collection for this).

– ASSEMBLY SYSTEM

- Choose from:
 - A2642 Floor assembly
 - A2643 Railing assembly
 - A2644 Wall assembly

– OPTIONS

- A2640 Concrete anchor (can only be used for floor assembly!)
- A2641 Floor anchor (can only be used for floor assembly!)
- A2643 Wall bracket for column (can be used for railing and wall assembly!)
- A2638 Wall bracket for the box
- A2645 Longer pull rod (can only be used for awning with diagonal fabric: the pull rod completely closes off the box)
- A1548 SL400 Without brake

ORDER FORM SL400

DATE: REFERENCE :

CLIENT / INVOICE

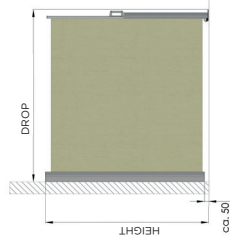
Name:
 Address:
 Client NR: VAT:
 Tel: Fax:

DELIVERY ADDRESS

Naam:
 Address:
 Tel: Fax:
 Delivery time:

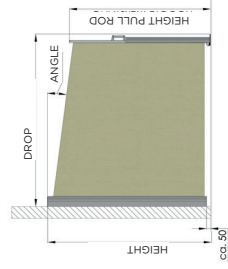
TYPE & SIZES

☐ Wind & sun screen SL400 / STRAIGHT



Drop:	mm
min. 1000 <> max. 4000	
Height:	mm
min. 1400 <> max. 2150	

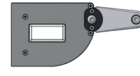
☐ Wind & sun screen SL400 / ANGLED



Drop:	mm
min. 1000 <> max. 4000	
Height:	mm
min. 1450 <> max. 2550	
Height pull rod:	mm
min. 600 <> max. 2400	

FABRIC OPENING

☐ Left ☐ Right

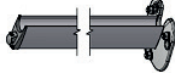


FRAME COLOUR & CHOICE OF FABRIC

Colour	RAL:	Acrylic	Soltis	ref.:
Fabric				

 The fabric is made up of vertical rows. When deciding the height, take into account that at least 40 mm is required for hooking in the awning and that the box must be mounted 50 mm above the floor.

ASSEMBLY SYSTEM



☐ Floor assembly
A2642

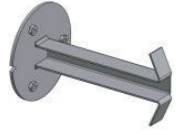


☐ Railing assembly
A2643



☐ Wall assembly
A2644

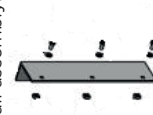
ASSEMBLY SYSTEM OPTIONS


☐ Concrete anchor
A2640


☐ Floor anchor
A2641

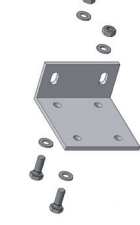
Only available for floor assembly!

Only available for railing and wall assembly!

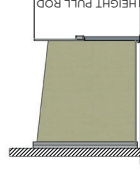


☐ Wall bracket for column
A2643

ADDITIONAL OPTIONS



☐ Wall bracket for the box
A2638



☐ Longer pull rod
A2645

☐ Without brake
A1548