

#JURALCO

JURALCO SOLEIA AWNING SYSTEM

Juralco Soleia Awning System

Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents.

For more than 25 years we have been at the forefront of specialist aluminium door and window products suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and internal doors.

The Juralco Soleia Awning is a compact, ready-to-install, cantilevered folding twin arm awning system designed for outside use where protection is needed from sun or light rain. All the components are made of aluminium alloy, ABS plastic or stainless steel, forming a highly-resistant, lightweight, rust-proof construction.



General Description

- The Juralco Soleia Awning system is available as a single unit up to 5.92m wide, with a max 4.0m arm extension.
- Typical applications include Decks, Bars, Shops, Terraces, or anywhere needing protection from the sun, or light rain.

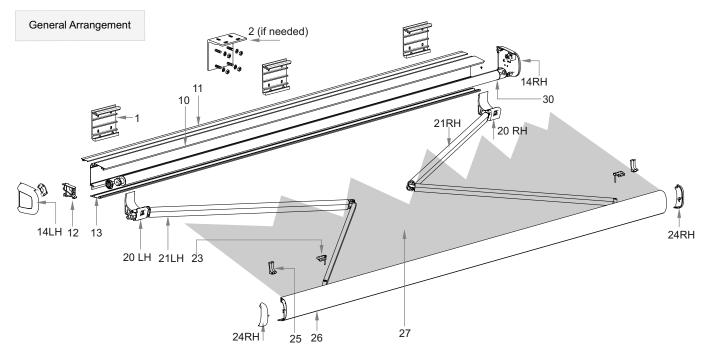
 The awning is supplied <u>pre assembled</u>, with all necessary brackets, fabric roll and twin folding arms.
- Box Supplied as a single, enclosed unit complete with mounting brackets. Attachment by brackets, either wall or soffit mount.
- Awning fabric Many colours available, all mildew and UV resistant.
- Drive Motorised An inline tubular motor extends/retracts the awning automatically.
 Remote wireless controls to operate the Awning. Optional wind or vibration sensor.
- Arms Factory set spring loaded arms evenly tension the fabric cover, and absorb movement in windy conditions.
- Slope Awning angle adjustable.
- Finish All Aluminium, powder coated colour of your choice. Arms powder coat Silver only.
- Wind As for all Awnings, care must be taken when installing in Wind prone areas. A Volo wind sensor is strongly recommended.

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Juralco Soleia Awning System - General Arrangement



Note: It is recommended that eyelets are fitted to the front edge of the fabric, to promote draining.

Fixings

- 1 Face Mounting Brackets 200mm (always needed) c/w M8 clamping screws
- 2 Soffit Mounting Brackets (if needed)

Headbox

- 10 Headbox Top Profile
- 11 Headbox Finishing Profile
- 12 Headbox Underface Profile Bracket
- 13 Headbox Underface Profile
- 14 End Caps
- 30 Roller Tube and Motor

Folding Arms and Front Profile

- 20 Folding Arm Headbox Attach Bracket
- 21 Folding Arms
- 23 Folding Arm Front Profile Attach Bracket
- 24 Front Profile End Caps
- 25 Front Profile Aligning cams
- 26 Headbox Front Profile
- 27 Fabric Awning. Dixon or Planosol

Electrical and Controllers

Tubular Motor

Portable Wireless Remote control

Optional Volo Wind Sensor Optional NemoVibe Sensor Option extra Motor Control

Planosol Awning Fabric

Planosol is manufactured from 100% acrylic fibre and will retain a light fastness rating of 6-8 on a 1-8 scale. Planosol is very tightly woven, with minimal light transmission, resulting in excellent UV protection. It has Ultraviolet Protection factor of 50+, maximum value granted for percentage of protection against UV ray and SPF 100. Planosol fabric will remain rot resistant for 5 years under normal exposure conditions.

Important information - Powder Coating systems.

<u>Powdercoat Systems</u> The new standard Dulux powder coating system used by Juralco is Duralloy Plus[®]. Also Duralloy[®] and Duratec[®]. Juralco Powder coated prices are for Duralloy Plus[®] and Duralloy[®] (same pricing). Duratec[®] prices on application. The following specs apply to Building Exteriors.

- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level.
 Residential and Light commercial buildings, 3 levels max. Warranty 15 yrs
- Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level All Residential and Commercial buildings. Warranty 25 yrs.

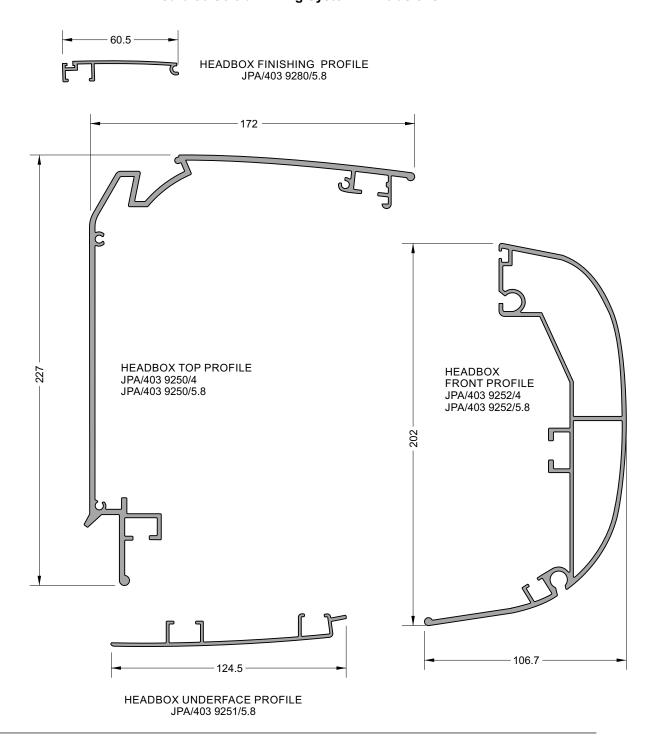
Attachment to structures A PVC Tape or similar material spacer must be used to separate powder coated aluminium items from all concrete and steel structures. Failure to do so can lead to the chemicals in the structure affecting the powder coating, leading to corrosion.

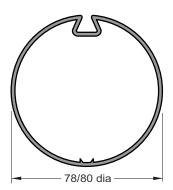
<u>Swimming Pools</u> The chlorinated water in swimming pools can cause the deterioration of powder coated surfaces, leading to corrosion of the underlying surface. It is recommended that Powder coated surfaces be 1200mm min from a pool.

<u>Care</u> The Dulux powder coating warranty period is conditional upon the surface being maintained in accordance with the Dulux 'Care and Maintenance Instructions'. Download from Dulux or refer to the back page of this manual.



Juralco Soleia Awning System - Extrusions





ROLLER TUBE, 78/80mm dia JDA/110 74/4 JDA/110 74/5.82

Juralco Soleia Awning System - Components

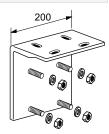
Roller Tube End Cap Round JDA/403 1327



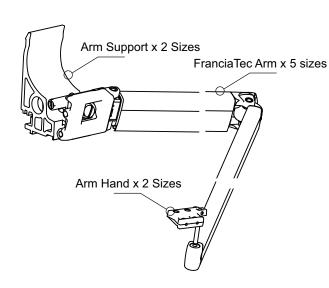
Face Mount Plate JPA/403 9287



Soffit Mount Plate JPA/403 9297



Soleia Arm Sets



FranciaTec Arms

2000mm Projection
2500mm Projection
3000mm Projection
3500mm Projection
4000mm Projection

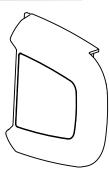
Arm Support

JPA/403 9319	Left - 2000-3000 arms
JPA/403 9323	Right - 2000-3000 arms
JPA/403 9327	Left - 3500-4000 arms
JPA/403 9331	Right - 3500-4000 arms

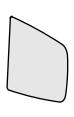
Arm Hand

Left - 2000-3000 arms
Right - 2000-3000 arms
Left - 3500-4000 arms
Right - 3500-4000 arms

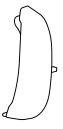
Headbox End Cap JPA/403 8185



Headbox End Trim JPA/403 9313



Front Profile End Cap JPA/403 9345



Focus Cam Black JPA/409 3127

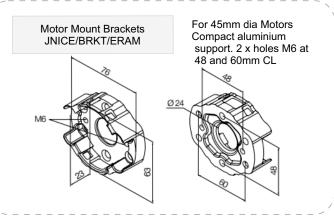


Juralco Soleia Awning System - Installation

Tubular motor ideal for all types of awnings. With built-in receiver, push button limit switch and encoder controlled movement with TTBus technology.

RDC: Function settable on multiple levels with TTP programmer; torque reduction system to gently block movement without stress on the fabric when reaching the closure position, avoiding unsightly sagging.

- 1 Any installation must comply to current regulations. Connect a 230 V supply to the motor.PLUS manual for specific instructions.
- 2 Check for correct operation of the Awning. To change direction, reverse the wires of the motor cable.
- 3 Make a loop on the power supply to avoid rain water getting into the motor head, if necessary
- 4 The 230w connection can be at either end (specify on Order Form)
- 5 Ex factory each Soleia Awning is supplied with a 1 Channel remote, (unless specified otherwise) all set up to operate the Awning as Open, Stop and Close



Drive Wheel and Crown JNICE/45ROUND78



Motor Remote Control Sensors

Wind Sensor threshold has 3 wind speed settings 15, 30, 45 Kph



JNICE/WIND/S Volo Wind Sensor

NEMO VIBE does not require any additional connections because it is battery powered. It screw attaches to the front of the awning. During windy conditions, a signal (adjustable) is sent via radio sensor to the motor mounted in the awning, which then retracts the awning.



JNICE/NEMOVIBE Vibration Sensor

Tubular Motors JNICE ERA PLUS 5012

For Remote Control



Tubular Motors 45mm dia Push Button Limit switches Built in Wireless Receiver & TTBus Technology Motor 5012 - 50Nm, 12rpm

POWER CABLE

Cable length 2.5 m, 6 wires in cable



These wires must be isolated if not being used

Manual Controls Switch Controls

Wall Controls

3 position Rotary Wall Switch Up - Off - Close Cover Plate - SSW 770 CPSM Switch - SSW 770 RSB



Wireless Remote Controls

Wireless Receiver



JNICE/BIDIAWNING. Nice controller for Wireless operation.Can be added to Switch operation and Manual override Motors to make for wireless control

Wireless Remote Controls

Portable Wireless Transmitters





P1

6 P18

- P1 Portable transmitter to control 1 electrical load system or automation group
- P6 Portable transmitter to control 6 electrical load systems or automation groups for activation in single or multigroup mode
- P18 Portable transmitter to control 18 electrical load systems or automation groups for activation in single or multigroup mode

Juralco Soleia Awning System - Motor Controls

Remote Control Wireless Controls TTBus Volo Wind Sensor 15kph Limit set at factory (set limits available 5,10,15,30,45kph) Motor fully tested

Wireless Remote Control
Portable Wireless Transmitters

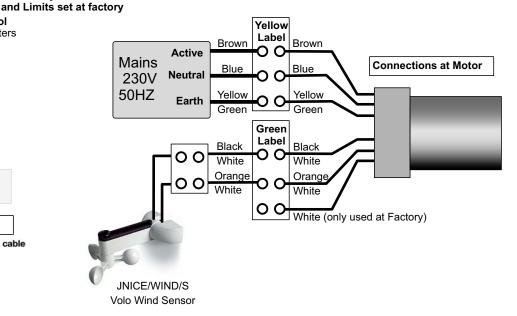


Tubular Motor, 45mm dia JNICE ERA PLUS 5012

Motor Power Cable

Cable length 2.5 m, 6 wires in cable





Wind Speed Adjustment - Awning Retraction settings

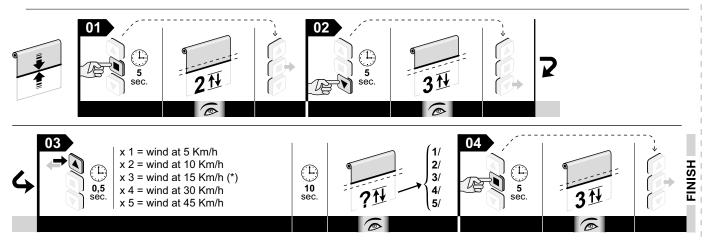
At the factory, the intervention threshold to is set at level 3 and to change it you must take the following steps

- 01. Keep the \mathbf{n} key pressed and wait for the motor to perform 2 movements. Upon completion, release the key.
- 02. Keep the t key pressed and wait for the motor to perform 3 movements. Upon completion, release the key.
- 03. Briefly press the s key a few times, depending on the level you want to set for wind threshold.
 - 1 press = wind, 5 km/h
 - 2 presses = wind, 10 km/h
 - 3 presses = wind, 15 km/h (factory settings)*
 - 4 presses = wind, 30 km/h
 - 5 presses = wind, 45 km/h

After about 10 seconds, the motor performs the number of movements indicated by the level number selected Note – If this does not occur, cancel the procedure.

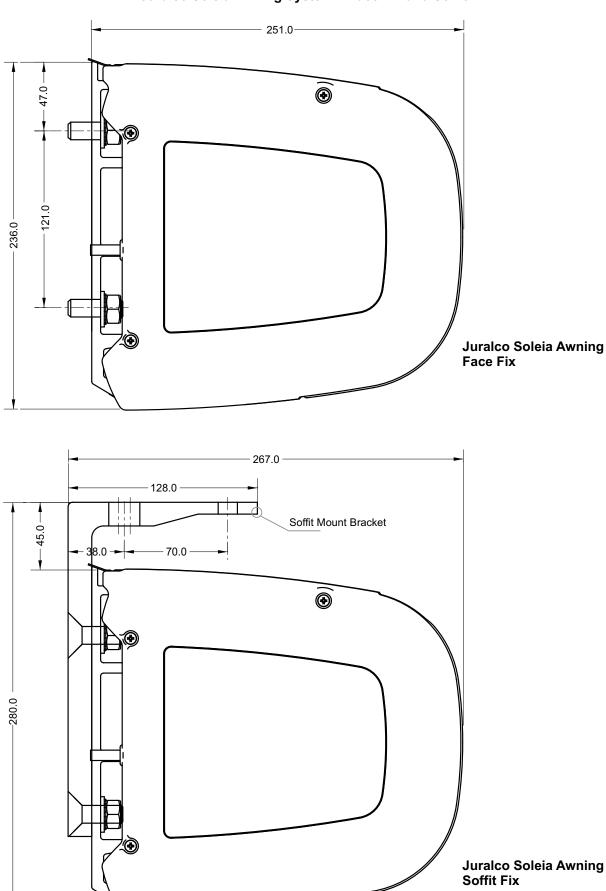
This way, the adjustment is completed without changing the factory setting.

04. Keep the n key pressed and wait for the motor to perform 3 movements. Upon completion, release the key.

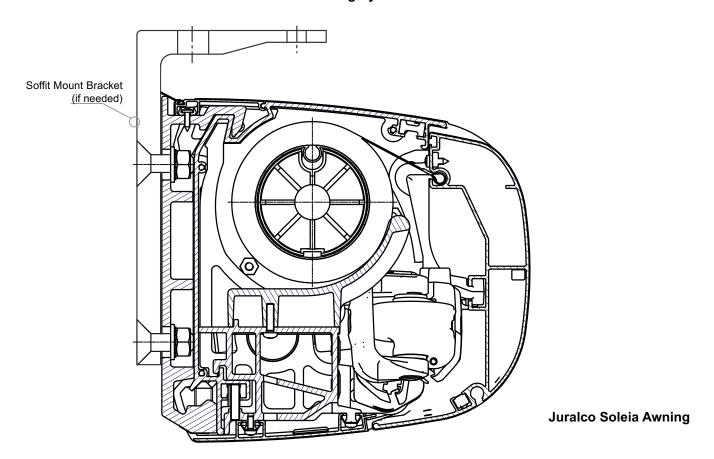


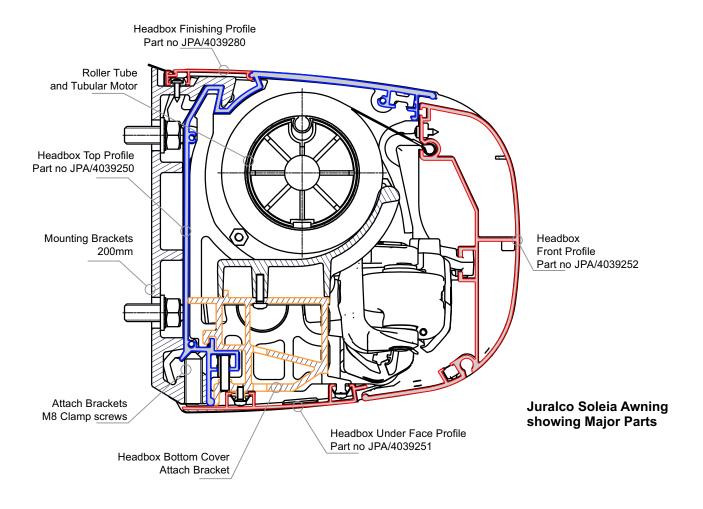
Notes

- When performing the procedure, you can cancel it at any time by keeping the **n** and **t** keys pressed simultaneously for 4 seconds.
- Otherwise, do not press any key and wait 60 seconds for the motor to perform 6 movements.
- If you use a sensor equipped with a "trimmer", you must read the sensor instructions and adjust the threshold directly on the sensor.

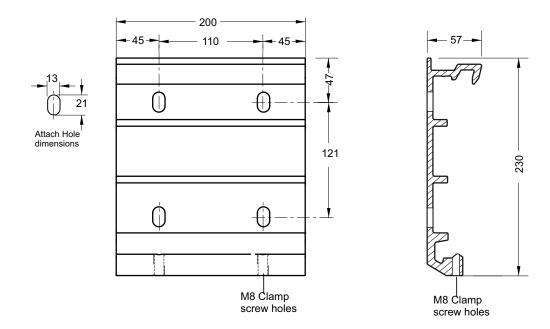


Juralco Soleia Awning System - Cross Section

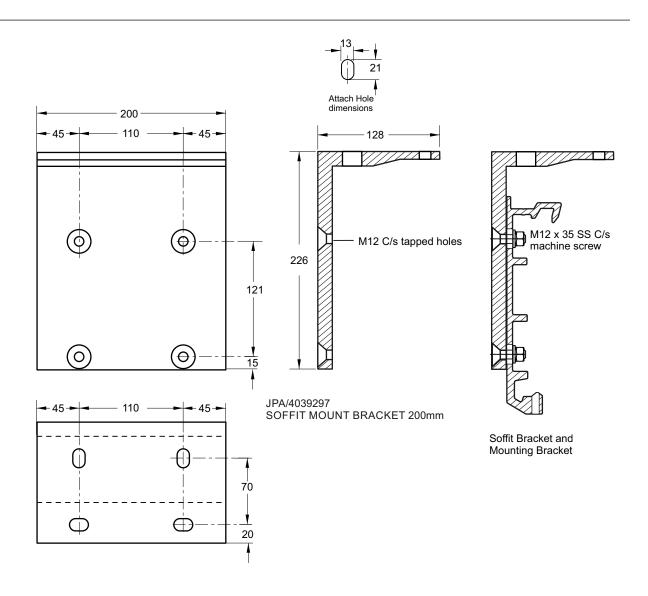




Juralco Soleia Awning System - Mounting Brackets



JPA/4039287 FACE MOUNTING PLATE 200mm



Juralco Soleia Awning System - Installation - Size, Type and Bracket selection



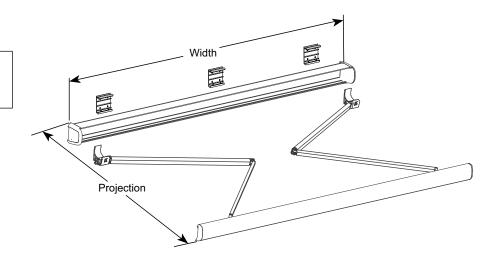
- 3 x 200mm Mounting Brackets
- Standard Arm Supports





3 x Mounting Brackets







- 4 x 200mm Mounting Brackets
- 1 x 200mm Intermediate support
- Standard arm supports



(mount 10mm apart)

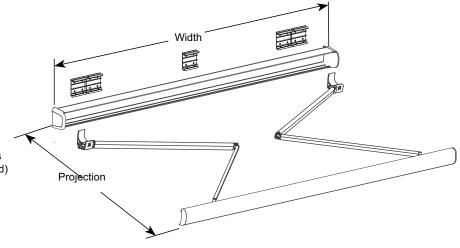
Brackets





Brackets (if needed)

1 x Intermediate Mounting bracket





- 4 x 200mm Mounting Brackets
- 1 x 200mm Intermediate support
- Reinforced Arm supports

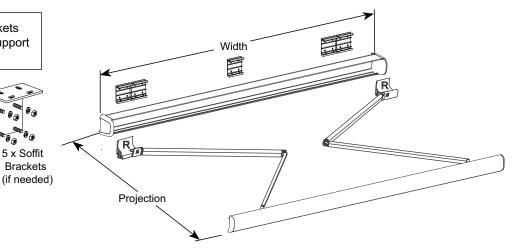






1 x Intermediate Mounting bracket

4 x Mounting Brackets (200 mm ea, mount 10mm apart)

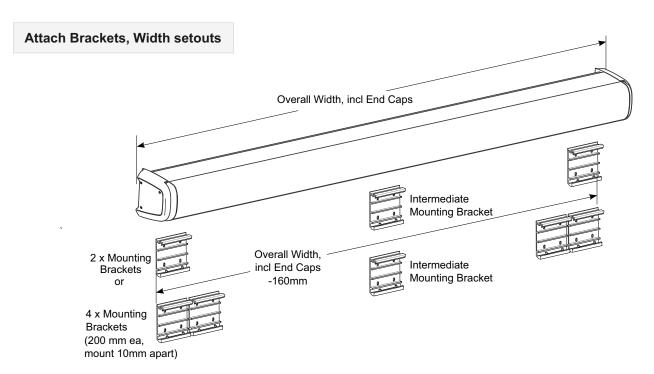


Package

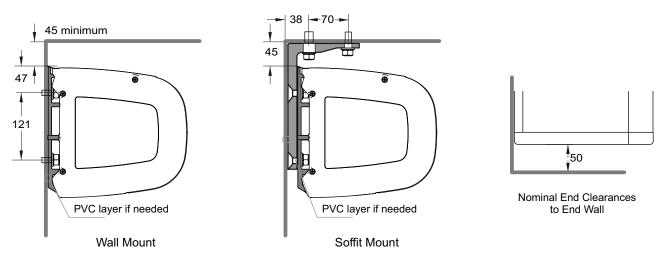
- Be very careful opening the package.
 It is large and heavy. Best done on a table if possible
- Be careful with knives, not scratch the surface of the awning.

 Mounting Brackets 200 mm

 Awning Roll, Head Box, Arms, and Front Profile. plus inline motor and Wireless controller

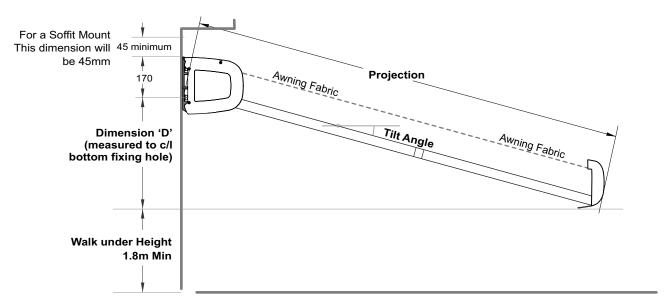


- 1 Mark out the Mounting bracket mounting holes on the wall or ceiling.
- All holes must have an appropriate fastener. Do not leave any out.
- Observe the clearances as below
- There must be a PVC layer between base plate and structure (if not Timber)
- All fixings must be SS



Mounting Brackets, Height setout

1 - The installation height of the awning must allow a passage <u>under the bar, at full extension</u>. 1800 mm min (2100 recommended).



Tables giving a nominal Dimension 'D', from various Projections at various angles

	5 Degree Tilt	10 Degree Tilt	15 Degree Tilt	20 Degree Tilt	25 Degree Tilt	
Projection	Dimension 'D' measured to Centre Line Bottom Mounting Hole					
2000	175	350	520	680	840	
2500	220	430	650	850	1060	
3000	260	520	780	1025	1270	
3500	300	610	910	1200	1480	
4000	350	700	1040	1350	1690	

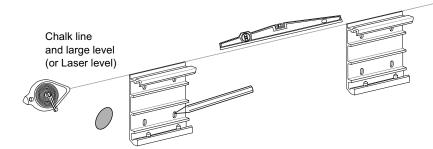
Add desired Walk under Height to Dimension 'D' to get total Height Floor, to C/I bottom Hole

Mounting Brackets setouts

- 1 Mark out on Wall suitable holes for Wood/concrete/steel installation.
- Use packers to pack off Wall, if necessary.
- When finished all the Attach Brackets must be level, square and in line.
- Provide the appropiate electrical connection.



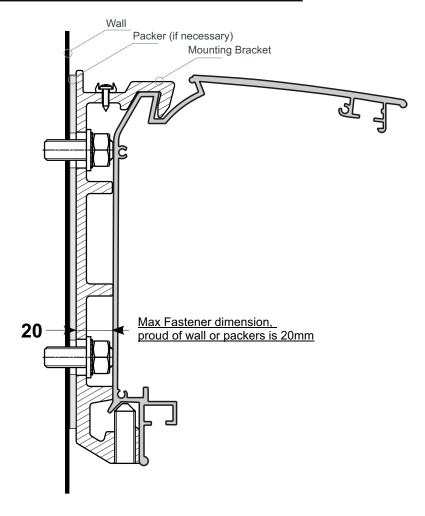




Attach Bolts, studs

- 1 Max Fastener dimension, proud of wall or packers is 20mm
- 2 Table of maximum forces applied to **each anchor**: Fc (in daN) (FYI 1daN \approx 1kg) Make sure that the tensile load Fr of the wall meets the condition Fr \geq 2xFc

Force Fc (in daN - dekaNewtons). Awning Face Mount	700
Force Fc (in daN - dekaNewtons). Awning Soffit Fix	800



Important notes for Fixing to Timber - M12 SS Coachscrews (or M12 SS Bolts)

- 1 Coachscrews 90mm min engagement into joists
- 2 Bond all coachscrews with SIKA Supergrip to full depth
- 3 All fixings must be Stainless steel

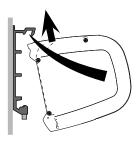
Important notes for fixing to Concrete - M12 SS Studs + Fischer FIS V 300T

- 1 All fixings must engage into the structural slab
- 2 A PVC Tape layer must be installed between the Bracket and Concrete
- 3 All fixings must be Stainless steel

Important notes for fixing to Steel - M12 SS Bolts

- 1 A PVC Tape layer must be installed between the Bracket and Steel
- 2 All fixings must be Stainless steel

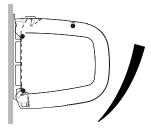
Mounting to Wall



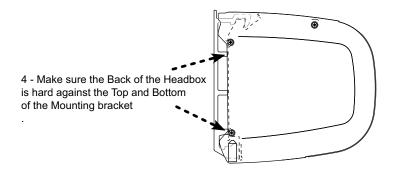
1 - Present your Awning from below the Mounting Brackets.



2 - Engage upper groovein the Wall bracket.Fit the Headbox by pressing upwards

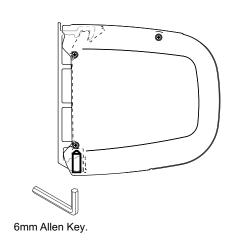


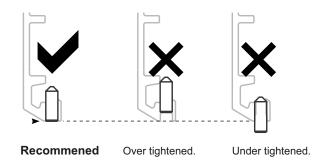
3 - Rotate downwards to clip in at bottom



Attaching to Mounting Brackets

1 - Screw up all 8mm Clamp Screws on all wall brackets.. When finished the screw should be flush at the base.

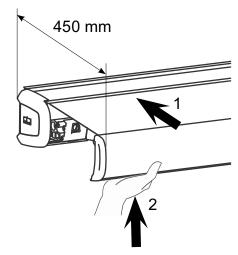




Juralco Soleia Awning System - Installation - Awning Slope Adjust

Setting the Inclination

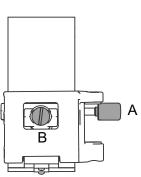
- 1- Roll the blind up to about 450 mm from the wall, this allows to enter the access Screw A, to release the function and facilitate the tilt adjustment.
- 2 Lifting the Front profile allows easier adjustment of the inclination angle



3 - The adjustment is made by acting on the screw B located on the front of the arm support, screw in to raise the Front Profile and unscrew to lower it.

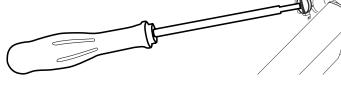
Important : To obtain the same setting for both arms, rotate $\underline{\text{adjusting screw B}}$ all the way in, then unscrew counting the number of turns out.

Proceed in the same way with the other arm and check the level. Fine tune the setting if necessary.



4 - Adjust the inclination to suit the walk under height, if necessary. Normal inclinations are 10-20deg. Refer to the <u>Mounting Brackets, Height Setout</u> page.

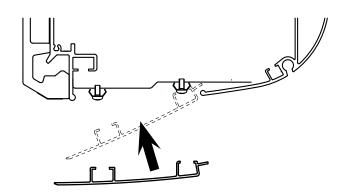
5 - When you are sure of your setting, lock the <u>adjusting screw B</u> by slightly tightening <u>screw A</u> located behind the arm pivot (see drawing opposite)



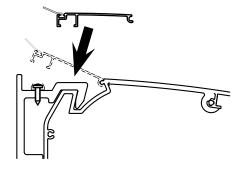
Juralco Soleia Awning System - Installation - Final

Final adjustments.

1 -Fix the Headbox Bottom Cover by clipping in at front first then raising and clipping in rear.



2 - Attach supplied clips to the mounting Brackets. Then fix the Headbox Top Cover by clipping in at front first then dropping and clipping in rear.

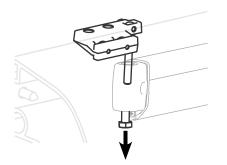


3 - Open and close the blind a few times to check that it is working properly, and the Inclination and Walk under height is satisfactory.

SOLEIA		Awr	Awning System - Order Form			AW#		
Customer				Contact				
Order No				D	ate			
WO Juralco			SO Jurale	CO		\$ Juralco		
Select/Enter Dime	nsions below.	Enter details	s/selections ir	nto all box	es. Then scan and send	o <u>sales@jura</u>	llco.co.nz	
Unsuitable for use in Strong Wind Areas								
	Available Projections	Select Projection	Widths Minimum	Enter O Wid	verall	oleia Awning		
Select Projection then enter desired	2000		2400			Projection		
Overall Width	2500		3070					
dimension	3000		3540					
	3500		4030					
	4000		4600			orised Oper	ration only	
	V	Vidth Maxin	nums = All {	5900mm			unon only	
Select Durall Powder Coat Type and Colour Durate	oy Plus		Spec	cify PC (Colour and Code Note	Arms Silver finish	only	
and Colour								
Fabric L	Fabric Type Distract							
Select Motor conviewed from Fro	Viewed from Profit							
6 Volo Wind sensor, if required Sensor, if required No Yes No Yes P1 P6 P18								
9 Notes:								

Juralco Soleia Awning System - FACTORY Assemble

Remove the Front Profile

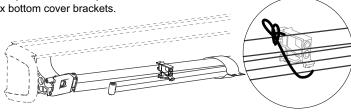


2 -Unscrew to disassemble and disengage the arm and remove the Front Profile.

WARNING : Leave Bracelets on the Arms to keep them Closed.

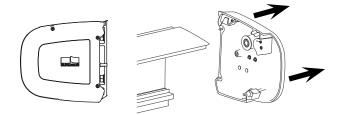


1 - FOLDING ARMS; disengage the front arm from the Front Profile. Keep the Bracelet in place and tie back to the Headbox bottom cover brackets.

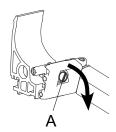


Mounting the Roller Tube

1 - Before mounting the Roller tube in the Headbox remove the End Cap at the the motor end (3 screws)



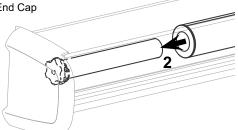
2 - To mount the Roller tube more easily, rotate the arms forward by unscrewing the screw A

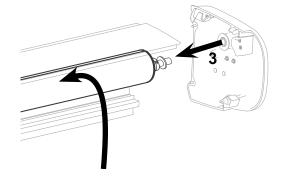


3 - 1 Pass the Roller tube over the Arm supports

2 Insert the Roller tube on the motor

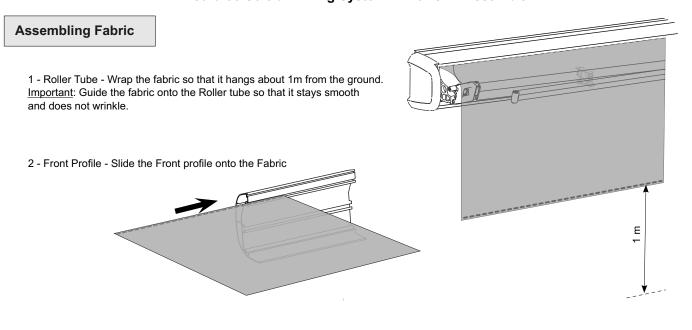






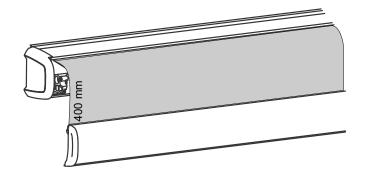
These pages apply to FACTORY Assembly only

Juralco Soleia Awning System - FACTORY Assemble

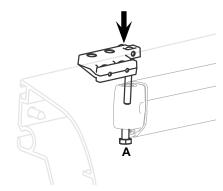


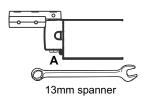
Arm assembly, to the Front Profile

1 - Leave about 400 mm of fabric hanging free.



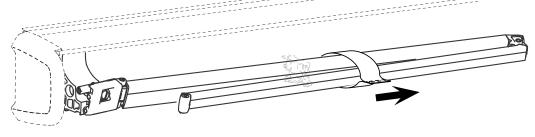
2 - Untie the arms from the Headbox Bottom Cover brackets and reattach the Front Profile to the Arms.





Tighten and lock the screw A

3 - Remove the bracelets from the arms

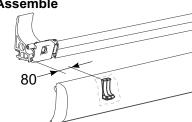


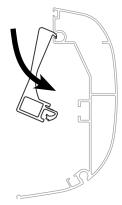
These pages apply to FACTORY Assembly only

Juralco Soleia Awning System - FACTORY Assemble

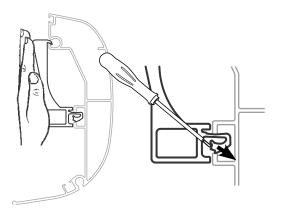
Installing the Aligning Cams

1 - Position the 2 x Aligning cams (supplied as accessories) on the Front Profile. One cam in front of each upper arm joint at $80 \text{ mm} \pm 10 \text{ mm}$ from the end of the arm support.

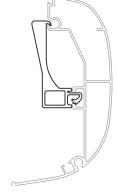




2 - Hang the aligning cam in the upper groove and then rotate it.

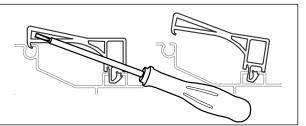


3 - Press the cam with your hand and clip in place using a 6 mm Phillips screwdriver



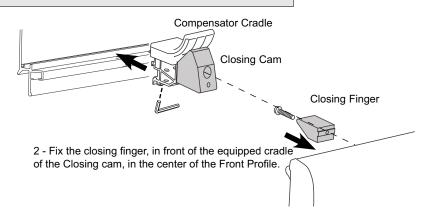
4 - Final position.

To remove or shift the Aligning cam. Lever it off with a screwdriver, taking the cam from the inside (otherwise, risk of scratching the profile).



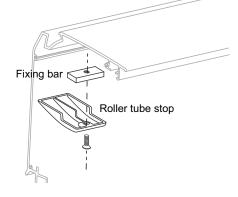
Installing the Compensator Cradle and Roller Tube stop - only for Widths over 4700mm

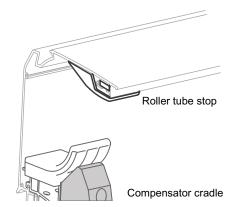
1 - Attach the 1 x Compensator cradle and Closing cam to the Headbox Bottom cover bracket. Attach to the Headbox profile at centre.



3 - Using the top groove of the Headbox install

1 x Roller tube stop above the Compensator cradle at the centre.





These pages apply to FACTORY Assembly only

Juralco Soleia Awning System - Powder Coating Care and Maintenance

Powder Coating Installation Care

Warning re use of solvents:

- In some cases strong solvents are recommended for thinning various types of paints and also for cleaning up mastics and sealants.
- These can be harmful to the extended life of the powder coated surface, and must not be used for cleaning purposes.
- It is important to note that the damage will not be visible immediately and may take up to I2 months to develop.

If paint splashes or sealants and mastics need to be removed then the following may be safely used: Methylated Spirits, Ethyl Alcohol, Isopropanol or preferably a mild detergent in warm water.

Joinery Protection during Installation:

All the activity on a construction site means that your powder coated items may get knocked or scratched, splattered with mortar, plaster, textured coating or paint during the later stages of construction.

Please ensure that all powder coated articles are masked or covered at this time. It is far easier to prevent accidents than to try and correct them. Should your joinery receive mortar or paint splashes see that these are removed before cure and follow the instructions contained in this brochure.

> Typical sticker used to warn other trades of the need to protect and mask off powder coated joinery (applies to anodised joinery also)

"IMPORTANT ALL TRADES"

This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down joinery with water or meths - Do not allow splashes to harden! ~ Do not use solvents! - Do not remove this label until final clean completed.

This photograph display damage that has occurred on site, post installation. The photo of the masked joinery displays clear signs of damage that could have occurred were it not masked. Please ensure that your joinery is protected right through the entire construction process.



Powder Coating Maintenance

External - Maintenance Program:

To extend the life of external powder coated articles and to comply with warranty requirements for powder coated aluminium joinery, a simple, regular maintenance program must be implemented.

The effects of ultra violet light, atmospheric pollution, dirt, grime and airborne salt deposits will all accumulate over time and must be removed or surface staining and weathering will occur, leading to an unsightly appearance.

For external coatings, cleaning should take place every six months. In areas where pollutants are more prevalent, such as beachfront houses and industrial or geothermal areas, then a cleaning program should be carried out on a more frequent basis ie. every one to three months.

Cleaning your powder coating:

- 1. Carefully remove any loose surface deposits with a wet sponge.
- 2. Use a soft brush (non abrasive) and a mild household detergent (do not use solvents) in warm water, remove dust, salt and other deposits.
- 3. Rinse off with clean fresh water.

Restoring weathered or scratched surfaces:

Repair of Scuffed or Scratched surfaces Dulux Spray Cans are available in all colour card colours.

Repair of Small Scratches or Chips.

Dulux Dabsticks are ideally suited for the repair of small scratches. Dabsticks may not be available in all colour card colours.

Repair of Weathered areas .

Dulux Gloss Up is a light to medium cutting cream ideally suited for gloss restoration and has been specifically designed for this purpose. Gloss Up contains no waxes or silicone and is a one step system.



Contact Dulux Powder Coatings, ph 0064 9 441 8244

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