



 JURALCO

JURALCO DEAUVILLE AWNING SYSTEM

ISSUE 1-24 v1

Juralco Deauville 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 Deauville 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 from aluminium alloy or galvanised steel, all powder coated, forming a highly-resistant, lightweight, rust-proof construction. Deauville Awning operation is either manual or by an inline tubular electric motor, fitted with a remote control. A wide range of attractive mildew and UV resistant 100% acrylic fabrics are available, all with a 5 year guarantee. These are also semi-translucent letting through a small percentage of light.

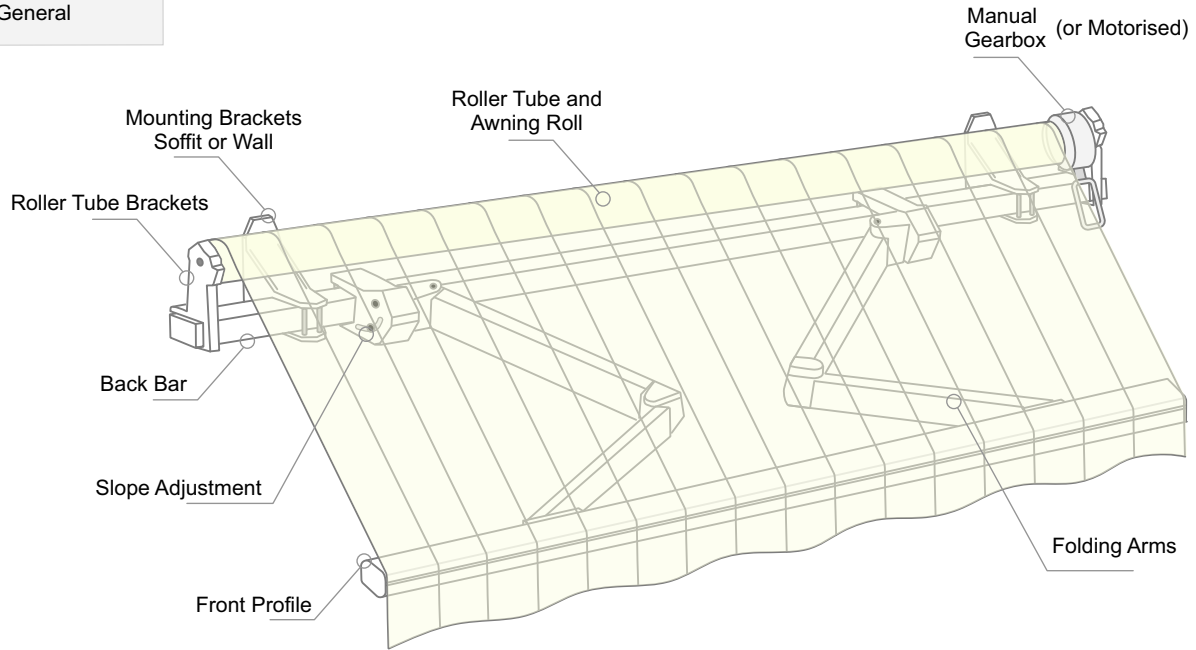


General Description

- The Juralco Deauville Awning system is available as a single unit up to 5.9m wide, with a max 3m outward awning extension.
- Typical applications include Decks, Bars, Shops, Terraces, or anywhere needing protection from the sun, or unexpected light rain showers.
- **Standard finishes** - Aluminium Extrusions and Cast aluminium items all Powdercoated Silver.
The awning is supplied pre assembled, all necessary brackets, awning roll and two arm units.
- **Axle Assembly** - Roller tube axle. Mounting brackets and axle holders. Additional roll supports for wide awnings.
- **Awning fabric** - Over forty styles available, all mildew, UV resistant and Scotchguard treated. All semi-translucent.
- **Drive - Manual** - A gearbox fitted to the end of the roller tub assists the operator to raise/lower the curtain.
Two different speeds available.
- **Drive - Motorised** - An inline tubular motor retracts the awning automatically.
The motor is wired to a 3 position switch (in-off-out). Remote wireless controls available.
- **Arms** - Factory set spring loaded arms evenly tension the fabric cover, and absorb movement in windy conditions.
- **Slope** - Awning angle adjustable from straight horizontal to 45 degrees down as standard.
- **Wind** - As for all Awnings, care must be taken when installing in Wind prone areas. A Volo wind sensor is strongly recommended.

Juralco Deauville Awning System - General Descriptions

General



The Juralco Deauville awning consists of :

Mounting Brackets, support the whole awning. Made of cast aluminium for front installation and extruded aluminium attachments for soffit installation.

Back bar, 4mm wall aluminium extrusion 40mm sq. Held in position with a minimum of two mounting brackets.

Roller tube Brackets, connected to the back bar by means of clamps, supports the ends of the Roller Tube.

Roller tube, 2mm wall aluminium extrusion 80mmdia, with a groove to fix the fabrics cover. One end equipped with the operating system and the other mounted with a circular shaft and self-lubricating plastic bearing.

Folding arms, made of two extruded aluminium profiles connected by means of a central cast aluminium hinge. One or two tension springs (depending on the model) integrated in the back arm guarantee the automatic extension of the arm and a perfect tension of the fabrics in all positions.

The arms are linked to the back bar by means of aluminium attachments. Five different arm dimensions are available, between 1500mm and 3000 mm).

Slope adjustment; the awning can be adjusted between the horizontal and 45 deg down as standard. Factory setting is 15deg down.

Front profile, from extruded aluminium with a single arm attach groove and 45mmsq cross section, to which are connected the arms, the fabrics cover and a valance.

Centre support, for roller widths greater than 4700mm. Made of resin or plastic-coated aluminium which allows the installation of a continuous fabrics cover and prevents the roller tube from bending.

Awning Fabric - Dixon fabric range.

A selection of many fabrics in various colourways. Awning fabrics will withstand wind, rain and pollution.

The fabrics are colour durable and resistant to most common chemicals, mildew, and UV degradation; all have a minimum five-year guarantee.

Finishes, All Extrusions and Cast aluminium parts, powder coated Silver.

OPTIONS.

Operation by means of a gearbox/handle, R1/7 and R1/4.4 (with limit stop) or tubular motor (with or without manual override).

Controls for the tubular motor; switch or wireless controls can be mounted alongside or at a remote location. Also available are remote wind actuated controls.

- **Standard finishes** - Aluminium Extrusions and Cast aluminium items all Powdercoated Silver.

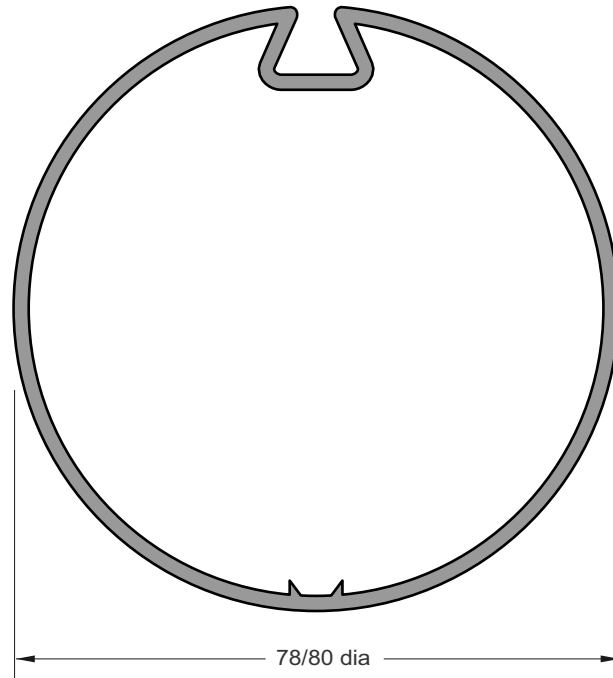
Planosol Awning Fabric

Planosol is manufactured from 100% acrylic fibre and will retain a light fastness rating of 6-8 on a 1-8 scale.

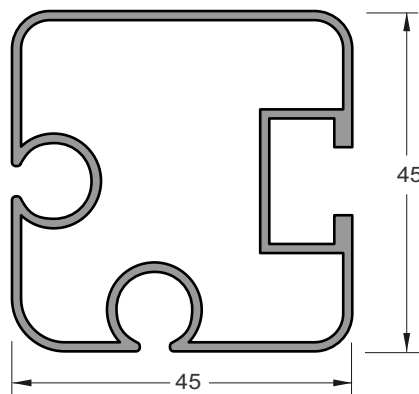
Planosol is very tightly woven, with minimal light transmission, resulting in excellent UV protection. It has Ultraviolet Protection factor of 50+, maximum value granted for percentage of protection against UV ray and SPF 100. Planosol fabric will remain rot resistant for 5 years under normal exposure conditions.

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

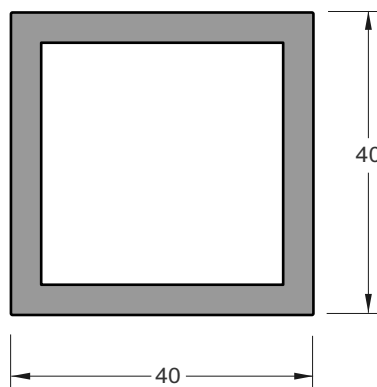
Juralco Deauville Awning System - Extrusions - Full Size



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



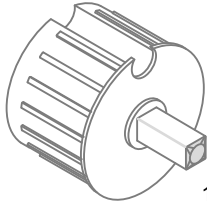
FRONT BAR
JDA/110 71/4
JDA/110 71/5.82



BACK BAR
JDA/110 75/4
JDA/110 75/5.92

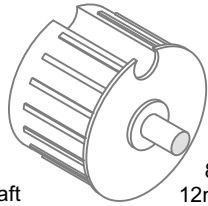
Juralco Deauville Awning System - Components

Roller Tube End Cap, Square
JDA/403 1325



80mm dia
13mmsq shaft

Roller Tube End Cap Round
JDA/403 1326



80mm dia
12mm dia shaft

31036 End Cap, Grey
JDA/403 9400

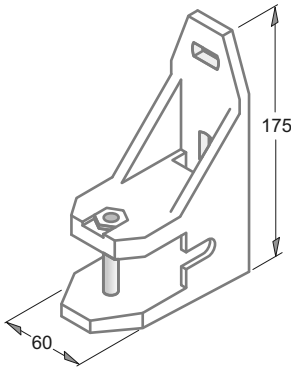


Front Bar
End Cap
JDA/314 05/PC



45mmsq

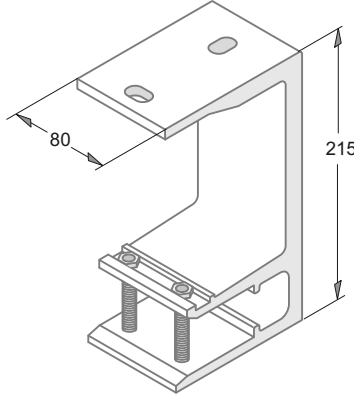
Face Fixing Bracket
JDA/403 1241



175

60

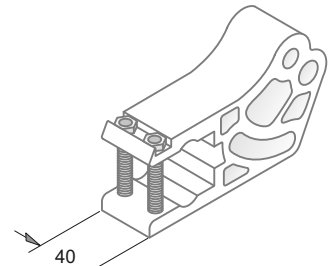
Ceiling Top Fixing Bracket
JDA/403 9219



80

215

Folding Arm Bracket
JDA/403 1276

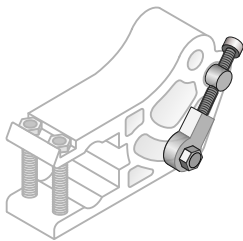


40

Set = 2 off

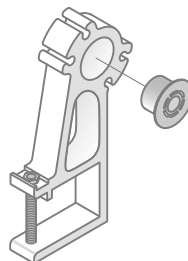
Folding Arm Bracket Support
JDA/403 2825

Fits on to the Folding Arm Bracket



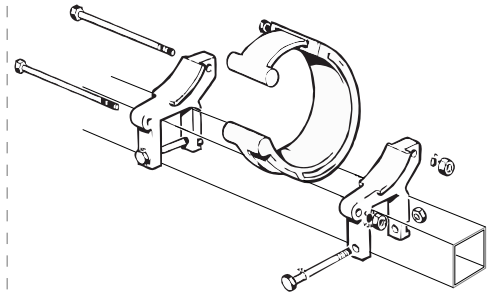
Locks the Arm Angle. Required (and Included)
for Awnings 2.5m Width and over.
One per Arm

Roller Tube Axle Support Bracket
JDA/403 0929



Set = 2 off, Plastic Bush included

Compensator Set
JDA/403 1675



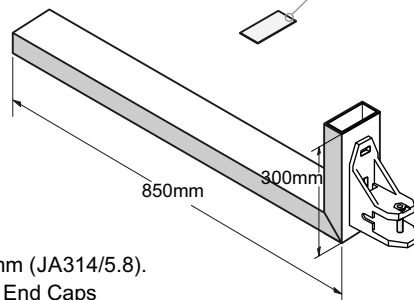
Side Brackets
and central Roll Support.

Soffit Fixing Bracket
JFA/SFBRKT

Face Fix brkt attaches at front

To be ordered ex factory individually

End caps - 100 x 50



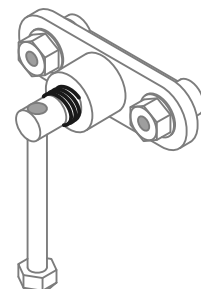
850mm

300mm

Manufactured ex 100mm x 50mm x 3mm (JA314/5.8).
Kit includes Bracket as above and 2 x End Caps

- Installer to cut down to size to suit
- Installer to drill own holes to suit
- Installer to RTV End Caps in place
- Installer to supply own Bolts/Coachscrews and JVB125 spacers if required.

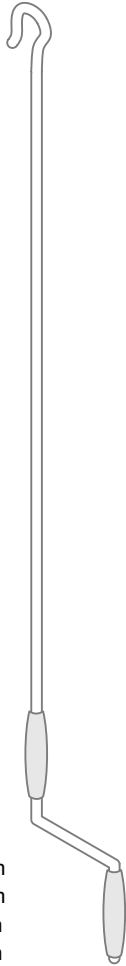
Front Tube Support Bracket
JDA/403 3036



Set = Pair, 1 x RH, 1 x LH

Juralco Deauville Awning System - Components

Gearbox Handle

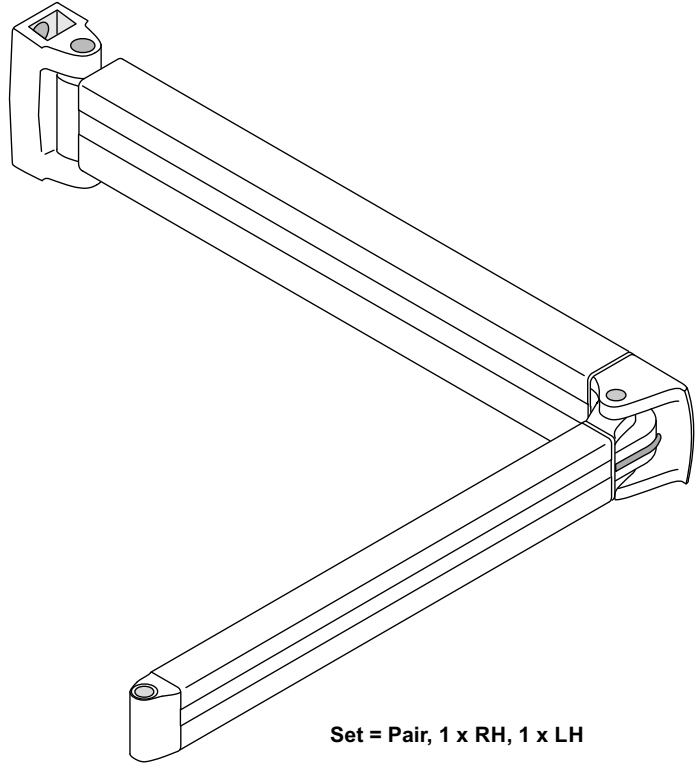


Gearbox Handle
Clip
JDA/402 6500



JDA/403 0431 - 1200mm
JDA/403 0592 - 1400mm
JDA/403 0593 - 1600mm
JDA/403 0595 - 2000mm

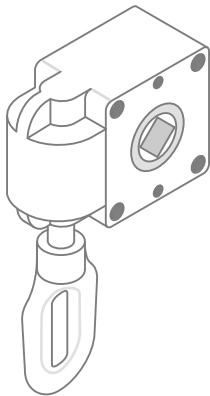
Folding Arms



Set = Pair, 1 x RH, 1 x LH

JDA/403 9708/1.5 - 1500mm Projection (Single Wire)
JDA/403 9716/2 - 2000mm Projection (Single Wire)
JDA/403 9720/2.5 - 2500mm Projection (Double Wire)
JDA/403 9724/3 - 3000mm Projection (Double Wire)

Gearbox, 1/7 reduction
JDA/403 6607

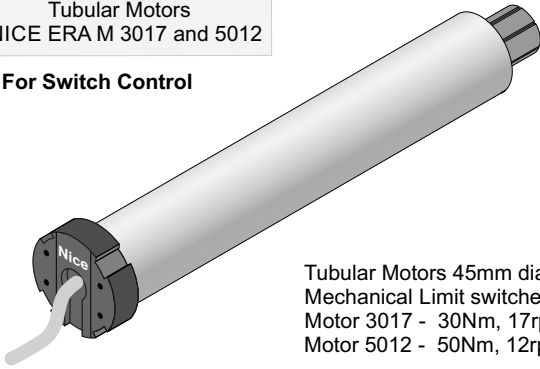


No Limit Stop

Juralco Deauville Awning System - In Line Motors and Controls

Tubular Motors
JNICE ERA M 3017 and 5012

For Switch Control



Tubular Motors 45mm dia
Mechanical Limit switches
Motor 3017 - 30Nm, 17rpm
Motor 5012 - 50Nm, 12rpm

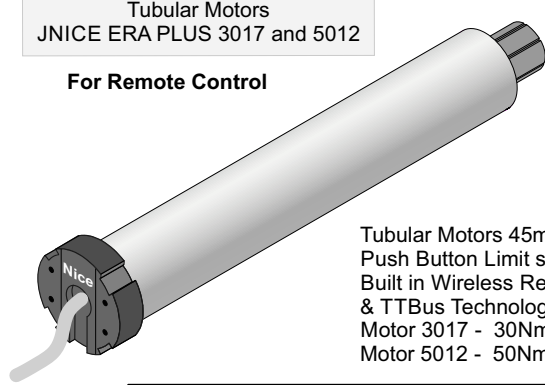
POWER CABLE

Length 2.5 m, 4 wires in cable



Tubular Motors
JNICE ERA PLUS 3017 and 5012

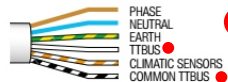
For Remote Control



Tubular Motors 45mm dia
Push Button Limit switches
Built in Wireless Receiver
& TTBUS Technology
Motor 3017 - 30Nm, 17rpm
Motor 5012 - 50Nm, 12rpm

POWER CABLE

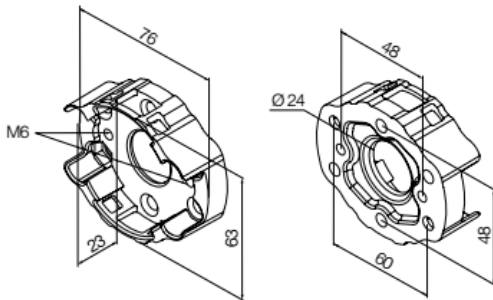
Cable length 2.5 m, 6 wires in cable



These wires must be isolated if not being used

Motor Mount Brackets
JNICE/BRKT/ERAM

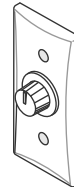
For 45mm dia Motors
Compact aluminium support. 2 x holes M6 at 48 and 60mm CL



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



Drive Wheel and Crown
JNICE/45ROUND78



Wireless

Remote Controls

Portable Wireless Transmitters



P1 P6 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

Motor Remote Control Sensors

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

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/WIND/S
Volo Wind Sensor



JNICE/NEMOVIBE
Vibration Sensor

Juralco Deauville Awning System - In Line Motors and Controls

Manual Control

HPM Rotary Switch Controls

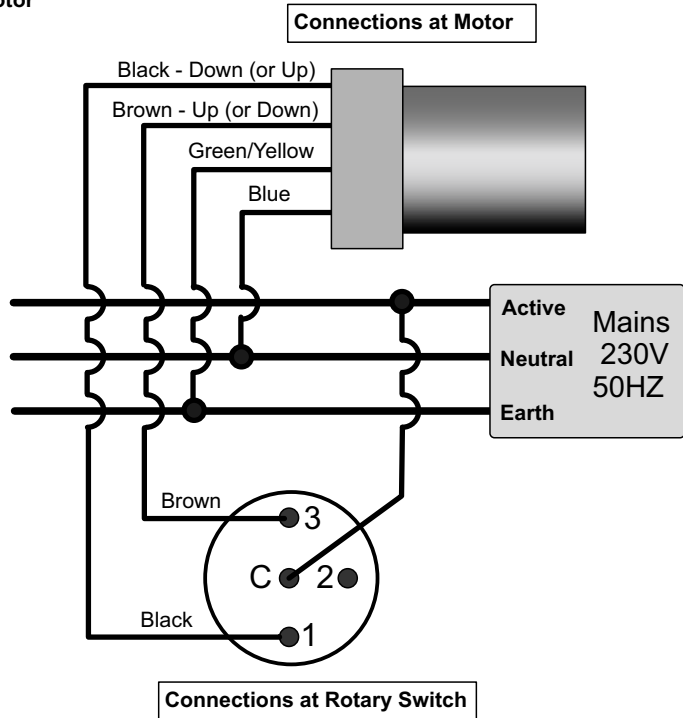
One switch per Single Motor only.
Use relays if more than single Motor
Motor fully tested and Limits set at factory



Tubular Motors
JNICE ERA M 3017 and 5012

Motor Power Cable

Length 2.5 m, 4 wires in cable



Remote Control

Wireless Controls
TTBus

Volo Wind Sensor 15kph Limit set at factory
(set limits available 5,10,15,30,45kph)
Motor fully tested and Limits set at factory

Wireless Remote Control

Portable Wireless Transmitters

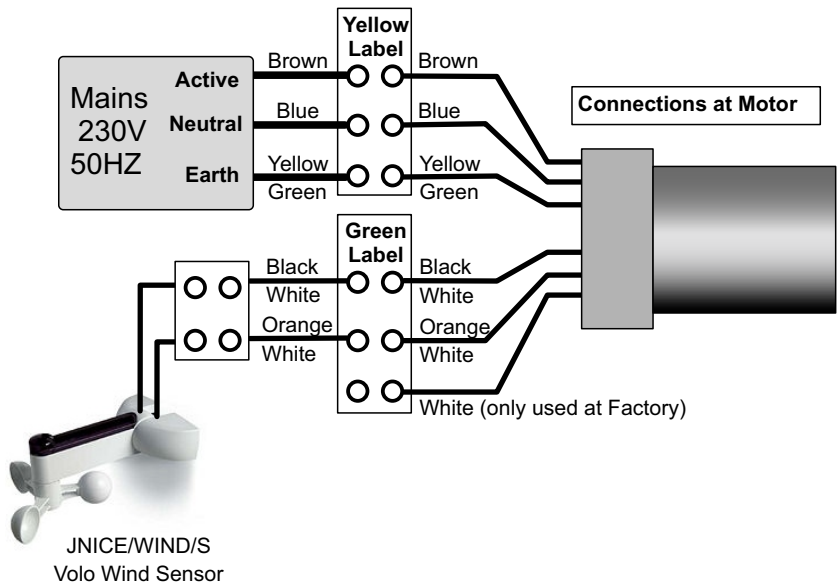
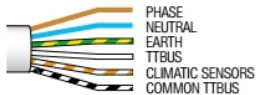


P1 P6 P18

Tubular Motors
JNICE ERA PLUS 3017 and 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 is set at level 3 and to change it you must take the following steps

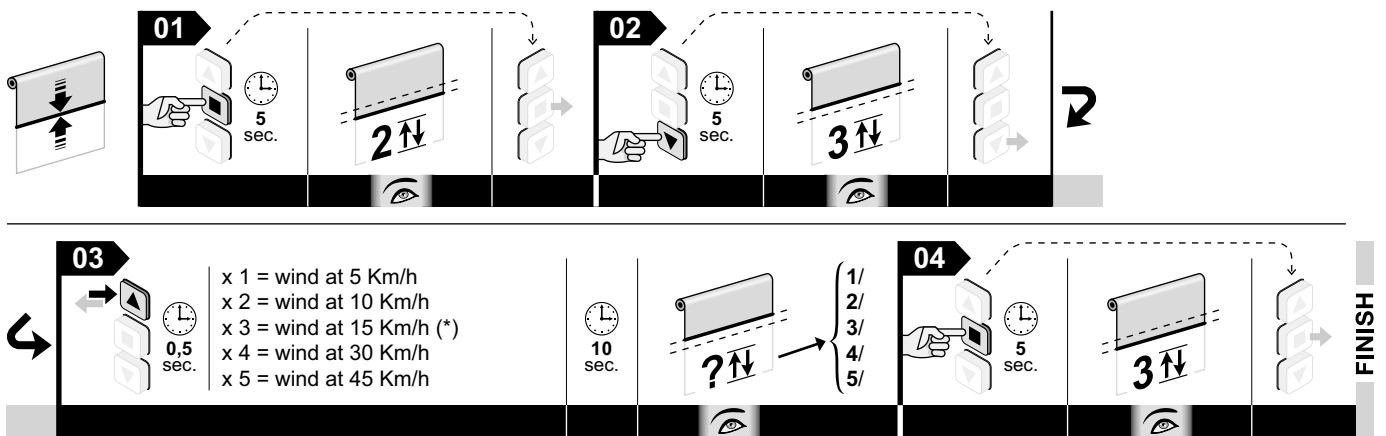
01. Keep the **n** key pressed and wait for the motor to perform 2 movements. Upon completion, release the key.
02. Keep the **t** key pressed and wait for the motor to perform 3 movements. Upon completion, release the key.
03. Briefly press the **s** key a few times, depending on the level you want 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 Deauville Awning System - Measuring, Brackets

Measuring

Awning on site Check List:

- 1 - Check the desired width and installation area, making sure there are no obstructions.
- 2 - Check that the desired number of wall/ceiling attach brackets all have secure fixing points.
Note - the maximum separation of a fixing bracket and the folding arm bracket is 150mm.
- 3 - Check the desired projection and angle, making sure there are no obstructions. Standard horizontal to 45deg down. Factory setting 15 deg down.
Factory setting 15 deg down.
- 4 - Check the desired awning material.
- 5 - Check the desired method of operation.
Manual, choice of 2 x gearboxes.
Motor, choice of switch or wireless.
Motor, optional extra sensors - wind or vibration

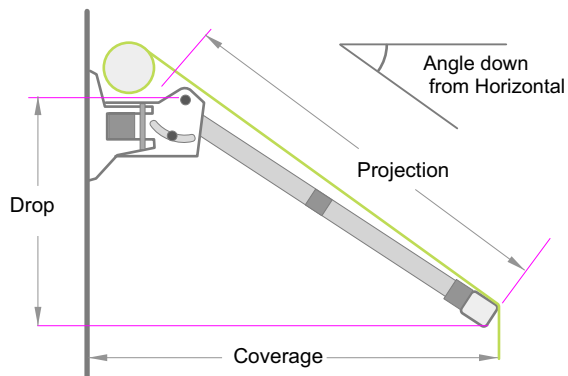


Table showing Drop for various angles and Projections

Table showing Projections and Widths

Arm	Projection,mm	Width, mm	
	Max	Min	Max
1500	1500	1945	5920
2000	2000	2440	5920
2500	2500	2970	5920
3000	3000	3460	5920

	Angle	Projection, mm				
	deg	2000	2250	2500	2750	3000
	10	347	391	434	477	521
Factory	15	518	582	647	712	776
	20	684	770	855	941	1026
	25	845	951	1057	1162	1268
	30	1000	1125	1250	1375	1500
	35	1147	1291	1434	1577	1721
	40	1296	1458	1621	1783	1945
	45	1414	1591	1768	1945	2121

Note - at 45 deg, Coverage = Drop

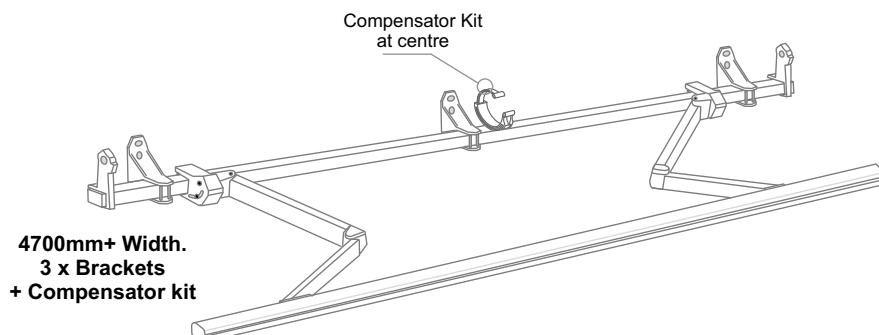
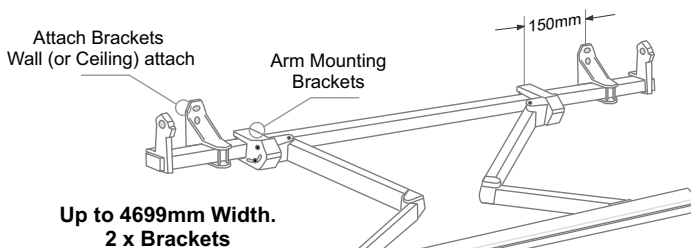
Bracket Numbers

Depending on width and projection attach brackets numbers and Compensator will differ.

Width	Projection Max
2380 to 4699	3000
= 2 x Brackets	
4700 to 5920	3000
= 3 x Brackets + Compensator	

Bracket Position

As shown the maximum separation of Mounting Bracket (Wall or Face) and the Arm Mounting Bracket in any system 150mm.



Juralco Deauville Awning System - Installation

Deauville Awning Installation

Note: Prior to delivering to site, unpack and check all items

- 1 - Carefully unpack and check for damage. Note - BE VERY CAREFUL THE AWNING IS NOT ACCIDENTALLY CUT during unpacking.
- 2 - Check the awning, making sure it has been made to site measurements.
- 3 - Measure out a level line on the wall at the desired bracket height. Mark individual bracket positions. Note 1- Max separation of Folding Arm mounting Bracket and the nearest Wall/Ceiling mounting bracket is 150mm - these may be inboard or outboard.
Note 2 - all brackets must be firmly mounted into the building structure.
- 4 - Mount all brackets to Wall/Ceiling. Adjust straight and level - a spare length of 40sq back bar is very helpful.
- 5 - Present the Back bar/Awning to the brackets. Slide gently into place - normally a two man job. Centre over opening.
- 6 - Insert and tighten all screws.
- 7 - Adjust the awning angle.
- 8 - Making sure all fastenings are firm and tight.
- 9 - Test the awning opens and closes easily.
- 10 - Always clean off all fingermarks, leave the site clean and tidy.

Juralco Deauville Awning System - Building Consents

These two pages are an extract from the Department of Building and Housing

- Building Work that does not require a Building consent - pages 21 to 24. Online at www.dbh.govt.nz/bc-no-consent
- These are new exemptions dated Dec 2010

While every effort has been made to ensure that this information is correct at time of writing, it is provided for guidance only and Juralco will accept no liability for, nor warrants the accuracy of this guidance. It is the sole responsibility of the of the purchaser to confirm current status of consent requirements with the relevant territorial authority before purchase and installation.

Awnings

Awnings.

Exemption (ja) of Schedule 1

A building consent is not required for the following building work:

- (ja) the construction, alteration, or removal of any fabric, glass, or metal awning on any building that-
 - (i) is on the ground or first storey level; and
 - (ii) does not exceed 20 sqmt in size.

Guidance:

Awnings are usually coverings that are fabric, glass or metal. They are normally attached to the exterior of a building and are commonly used for protection from sun, rain or as a wind buffer (eg, a shadesail or window awning). The installation of awnings that are 20 sqmt or less on any building at a ground floor or first floor level will comply with this exemption.

Size is a factor for large awnings, as they can damage the walls they are attached to or adjacent property or potentially injure people in high winds. Accordingly, any awnings larger than 20 sqmt require a building consent.

This exemption relates to awnings which are currently attached or are to be attached to a building's external envelope or exterior surfaces. Awnings may be removed, altered and constructed, providing this work complies with the Building Code. Particular emphasis should be placed on weather tightness detailing when removing, altering and constructing such structures. All mechanical connections (eg, nuts, bolts, coach screws etc) which penetrate the building envelope and provide support to awnings must provide adequate resistance to moisture getting into the structure. Please note, this exemption does not relieve the owner of any other requirements under the Resource Management Act 1991 and or local district plan rules and provisions.

Examples where this exemption could apply:

A shadesail is to be attached above a deck at first floor level of a dwelling. The proposed shadesail has a total area of 18 sq mt, and meets all Building Code requirements.

The removal of an existing 12 sqmt awning providing shade at the entry to a building (situated at first floor level).

Examples where building consent is required:

A glass awning is to be fitted to an apartment on the sixth floor of the building. Though the awning has a total coverage of 14 sqmt, it is not exempt because of its height above ground and a building consent is required.

Territorial Authority discretionary exemptions

Territorial authority discretionary exemptions

Exemption (k) of Schedule 1

A building consent is not required for the following building work:

- (k) any other building work in respect of which the territorial authority (or, as the case requires, the regional authority) considers that a building consent is not necessary for the purposes of this Act because that building work-
 - (i) is unlikely to be carried out otherwise than in accordance with the building code; or
 - (ii) if carried out otherwise than in accordance with the building code, is unlikely to endanger people or any building, whether on the same land or on other property.

Guidance:

Exemption (k) allows a discretionary decision to be made by a territorial authority (city or district council) or regional authority (regional council) to exempt proposed building work from the requirement to obtain a building consent in the circumstances specified in (i) and (ii), above.

Members of the public may ask their local council to consider their proposed building work under this exemption. However, the decision to allow any exemption under this part of Schedule 1 is totally at the council's discretion, based on the risk of building work not complying with the Building Code or endangering people or property.

Local councils should have procedures for making formal decisions under exemption (k) to exempt building work, that meet the specific criteria of (i) and (ii) above, from the requirement to obtain a building consent.

In all cases, the Department recommends that the decision, reason for the decision and the outcome of the decision be recorded by the local council and placed on the property file that relates to the building work.

Juralco Deauville 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 12 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 displays 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