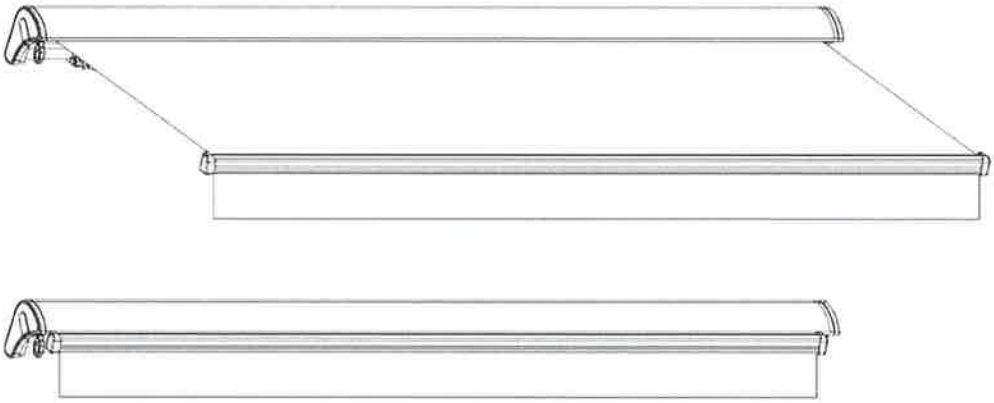
FOLDING ARM AWNING - SEMI CASSETTE GENERAL & INSTALLATION INSTRUCTIONS

windoware BLINDS & AWNINGS

20-220-0001 : 3600 W X 3000MM P
20-220-0002 : 4700 W X 3000MM P
20-220-0003 : 5800 W X 3000MM P





Adjustable Pitch



3 Sizes Available

Docril®
Tear 1 European Fabric Supplier

AUSTRALIAN MADE

Features

- Australian Tradition meets European Style
- Premium Docril Fabrics
- Stylish, durable and easy to clean
- 100% solution dyed acrylic fabric ensures long lasting colour
- Reduces solar heat and protection from the sun
- 5-Year Warranty
- Aluminium lightweight frame with adjustable mounting brackets
- Design includes backbar design for additional strength and support
- Can be mounted to wall or ceiling
- Manual operation with crank handle included
- 304 Stainless steel fasteners

NOTE: PLEASE READ ALL OF THE INCLUDED SAFETY AND INSTALLATION INSTRUCTIONS BEFORE YOU BEGIN THE INSTALLATION PROCESS.

1. SAFETY INSTRUCTIONS

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Important Safety Instructions

WARNING: For your own and the safety of other persons it is important to follow below instructions and obey warnings.

Symbol explanation

⚠ This warning triangle calls attention to hazards that that can lead to death or to severe injuries or which are important for the functioning of the awning.

☞ This sign identifies important notes.

1.1 Safety Instructions

⚠ To install this awning technical knowledge is necessary. Do not install this awning yourself unless suitably qualified. Seek professional advice if,

- you are unsure if the awning can be mounted in the place you chose for installation.
- you do not understand the instruction manual or parts of it.
- you do not have necessary tools available.
- you do not have necessary technical knowledge

⚠ A minimum of two healthy adults are required to move and install the awning as the product is bulky and heavy. Do not try to install the awning alone. If the awning falls, it could cause serious injuries and damages!

☞ Do not install the awning if you find damaged parts or if parts are missing. Contact your dealer.

Keep children and pets out of the working area during assembly and adjustments.

⚠ This products fixings are only suitable for installation on a plain cement wall or stable untendered brickwork. If the wall/ brickwork shows cracks you have to consult a professional.
Seek advice from a builder or structural engineer if you are wanting to mount this awning onto any other structure than cement or brick structure. Additional fasteners will be required for any application other than a masonry application. Seek advise from your professional for the correct fasteners to suit your application.

⚠ If your building has an exterior shell (such as insulation, double brick wall, brick facing), installation should be taken out by a professional.

⚠ Do not alter the awnings design or components in any way. Altering the awnings design or components will void any warranty claims & could potentially cause injury or death due to the alteration.

Please make sure that your hands are clean at the time of the assembly otherwise, you may soil the awnings fabric and frame.

Operating the awning in frosty or snow conditions may damage the awnings fabric & components.

☞ In rainy conditions retract the awning if tilt angle is less than 14°. In heavy rain or when snow or hail is present, always retract the awning to protect the product & your structure.

⚠ Extended periods of excessive wind or rain can affect the performance and integrity of an awning. These sometimes-substantial forces must be absorbed by the awning and transferred to the assembled structure via its mounting brackets. Under extreme loads, excessive forces can be exerted on the anchor bolts and surrounding structure. Therefore, before starting the installation, check the load-bearing capacity of the mounting structure and if necessary, take corresponding measures to ensure safe sound installation can be achieved of the brackets onto your structure.

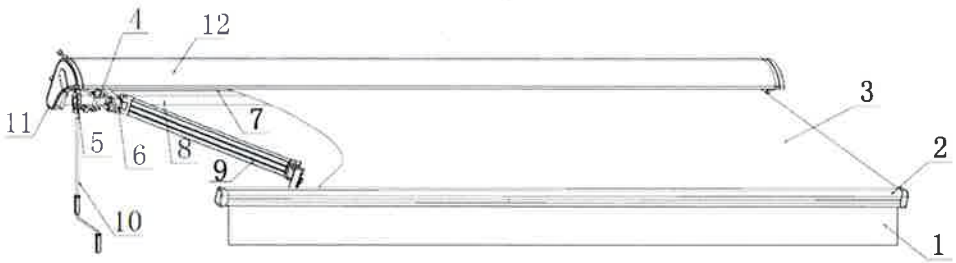
2. KNOW YOUR PRODUCT

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NOTE: Please read this instruction manual carefully and completely prior to mounting or operating the Folding Arm Awning.
It is recommended to obtain professional advice regarding the correct installation requirements for your structure & suitable mounting fasteners for your installation application.

Before you start installing and operating the awning, please get familiar with this product and its components. Make sure all parts listed in the below packing lists were included and show no signs of damage. If you find that there are any parts missing or damaged, please do not install the awning but contact your dealer.

2.1 Know Your Product



1. Valance
2. Front Bar
3. Main Fabric Skin
4. Mounting Bracket
5. Crank Handle Insertion
6. Tilt Adjuster
7. Keyway Roller
8. Back Bar
9. Torsion Arms
10. Crank Handle
11. Cassette End Plate
12. Cassette Hood

2.2 Packing list

You should find the following parts included in this package:

IMAGE	DESCRIPTION	QUANTITY
	Folding Arm Awning	1
	Mounting Brackets	3600 W X 3000MM P x 2Pcs 4700 W X 3000MM P x 3Pcs 5800 W X 3000MM P x 4Pcs
	Mounting Bracket Bolts	3600 W X 3000MM P x 2Pcs 4700 W X 3000MM P x 3Pcs 5800 W X 3000MM P x 4Pcs
	Masonry Fasteners	3600 W X 3000MM P x 4Pcs 4700 W X 3000MM P x 6Pcs 5800 W X 3000MM P x 8Pcs
	Hand Crank	1
	Instruction Manual	1
	Remote (Electric model only)	1

3. INSTALLATION INSTRUCTIONS

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3.1 Pre Installation

Make sure the work area is clear of obstructions and that no children and pets are present during the installation process. Carefully remove the awning from the box and remove any packaging materials from the awning.

Remove the plastic bags and plastic from the awning and carefully place the awning aside in an unobstructed location to avoid potential damage to the awning or fabric materials.

3.2 Tools Required

1. Drill (With Masonry Function)
2. Masonry drill bit, 14 mm
3. Level
4. Spanners 14 mm, 17 mm and 19 mm
5. Stepladder/s
6. Tape measure
7. Pencil / Chalk Line
8. Soft Face Hammer

3.3 Mounting of the Folding Arm Awning

⚠ A minimum of two healthy adults are required to move and install the awning as the product is bulky and heavy. Do not try to install the awning alone. If the awning falls, it could cause serious injuries and damages!

⚠

Mounting on a concrete/brick wall or other structures

The awnings must be installed with a minimum height of 2.5m only, on a reinforced concrete wall, sound brickwork area or suitable other structure. Please seek professional advice to verify that the structure can support the mounted folding arm awning. Installation should be taken out by a professional.

If the wall/brickwork show any signs of cracks you must consult a professional f or advice, prior to the installation.

Choose the mounting location

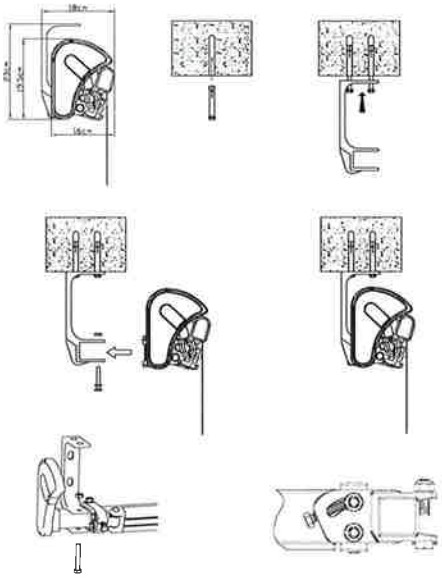
Ensure that you also take this drop height into account in your decision on where to install the awning.

The pitch angle can still be changed after assembly. The ideal pitch angle, however, has already been set at the factory and may only be changed minimally.

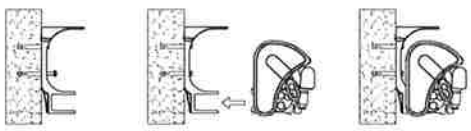
We recommend that the awning front bar has a height of at least 2.5 m when it is fully extended – if your local conditions to not allow this you can mount the awning in lower position however a minimum of 2.1m is required to avoid any obstruction injuries from occurring. The horizontal center line through the lower drilling holes must be 60 cm higher than the axis of the front bar to meet the minimum pitch/tilt angle of 14°.

In the event you would like to mount the awning above a balcony door, you should leave a space of at least 20 cm above the door frame if space permits.

Choose your mount there are two ways to mount the folding arm awning to a structure face mount is priority selection, Ceiling Mount (Fig.1). This mount is for installing your awning to the underside of a concrete/brick wall or other structures Face Mount (Fig. 2), this mount is for installing your awning to the front of a concrete/brick wall or other structures.



Ceiling Mount (Fig.1)



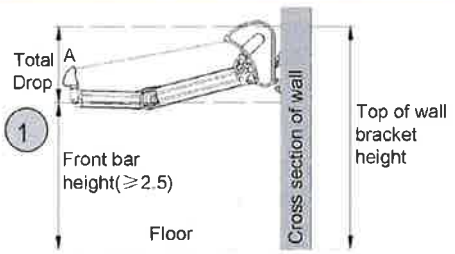
Face Mount (Fig.2)

3.4 Folding Arm Awning Mounting Height

Figure 1:

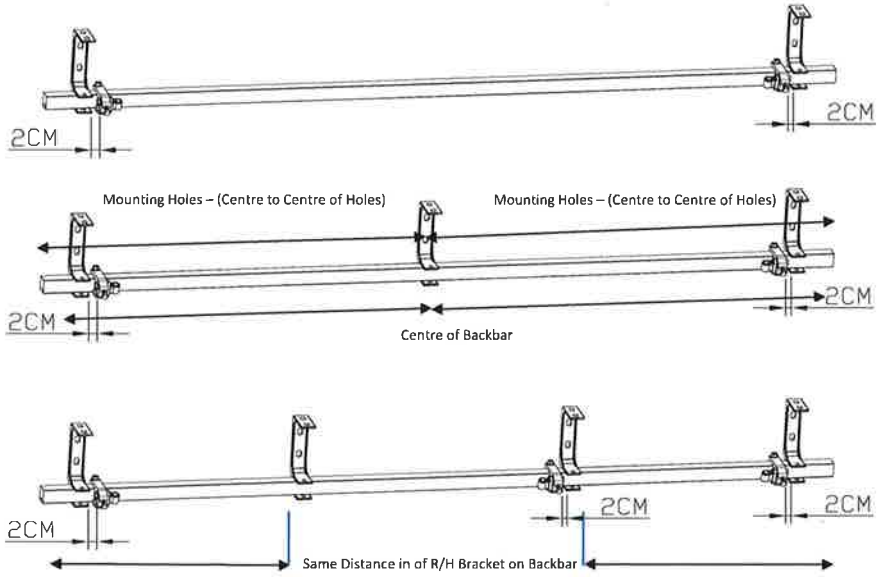
When choosing mounting location, you must take pitch angle into consideration. We recommend that the awning front bar has a height of at least 2.5 m, total drop A must be at least 0.6 m.

With the height of the front bar at 2.5m, the height of center line through lower drilling holes is 3.1 m.



3.5 Mounting Bracket Locating Positions

1. Use the guide below to position the mounting brackets on the back bar of folding arm awning.
2. Once the brackets have been located correctly, measure the distance between each of the brackets mounting holes (center to center of each hole) to verify the mounting hole locations.



3.6 Marking of Fastener Holes

1. 1. After choosing mounting position you can mark where you need to drill holes for the brackets.
2. 2. At the lowest mounting hole location, use a level to mark a line on the wall across the entire width of the folding arm awning.
3. 3. Starting at one end of the awning, position the first mounting bracket in the required location with the lowest mounting hole centered on the line you marked on the wall and use a pencil to mark both mounting backet hole positions on your structure.
4. 4. Measure the width to the next mounting bracket location, position the mounting bracket with the lowest mounting hole centered on the line you marked on the wall and use a pencil to mark both mounting backet hole positions on your structure.
5. 5. Repeat for bracket all remaining mounting brackets supplied with your folding arm awning.

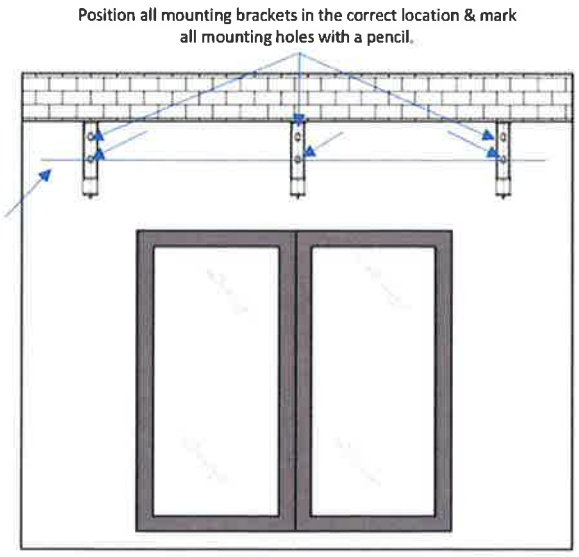


Fig 2
Using a level, mark a line on the mounting structure at the lower mounting hole position (center or hole).

3.7 Fastening the Mounting Brackets

Fastening to a masonry structure.

1. Use 14-mm masonry drill bit and masonry drill to drill all of the holes for the brackets at the appropriate marks on the wall.

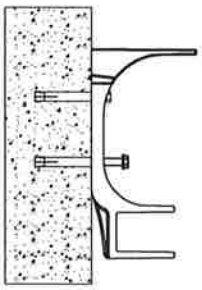
⚠ The holes should be 9 cm deep in the wall and must be drilled through solid masonry or concrete. Do not drill through mortar join because this does not offer the strong enough support for the heavy-duty anchors, which are required for the installation of awning.

3. After drilling, clean the holes by blowing them out. Then insert the heavy-duty anchors into the holes.

Fixing the brackets

4. Insert the fastener through the mounting bracket and then insert the fastener into the pre-drilled holes.
5. Make sure the brackets are sitting flush on the surface, then tighten them well.
6. It is also possible to fix the awning under a concrete ceiling. If you want to fix the awning under a concrete ceiling, you must consult a professional expert for this kind of mounting.

   Attention: If you find that there is no resistance when you pull out the nut of the heavy-duty anchor, then the heavy-duty anchor has not enough anchorage.



Fastening to a timber or other structure material.

1. If you are not mounting the folding arm awning onto a masonry structure, you must seek advice from a professional to ensure the structure can support the awning once it is installed. The professional will need to advise you on the correct fasteners required and the correct installation method of such fasteners.

3.8 Awning Installation

After all brackets have been mounted properly you can install the awning.

⚠ At least two ladders or scaffolding is required to install the awning in order to obtain the required height.

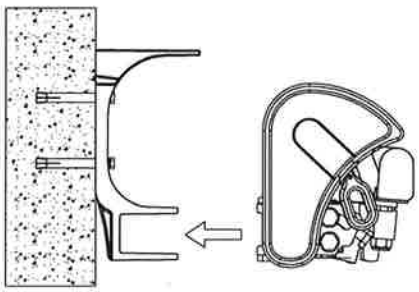
Ensure that the ladders/scaffolding is firmly located on the ground so that you cannot fall.

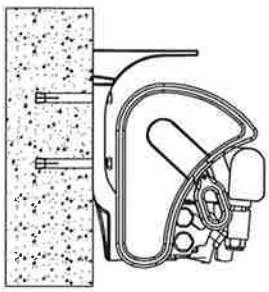
Only use ladders/scaffolding that are suitable for such installation work.

⚠ Only mount the awning yourself when you fully understand the mounting instructions completely and when you are sure that the wall you want to mount the awning on is structurally suitable.

For your own and the safety of other people please contact an experienced installer if unsure how to install the awning correctly.

1. Insert the awning into brackets as shown in drawing below. Then immediately secure it with delivered round head bolts to the brackets. Tighten the nut of the round head bolt firmly.
2. Insert the awning back bar into mounting brackets as shown in drawing below. Then immediately secure it with delivered mounting bracket bolts.
3. Tighten all the mounting bracket bolts firmly once installed.





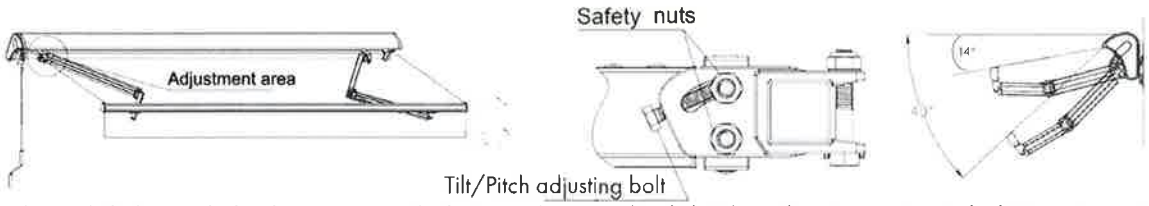
3.9 Adjusting the Tilt/Pitch Angle

The awning is already delivered with an optimally adjusted tilt/pitch angle. However, users can adjust the screen angle within a range of 14° to 40°.

⚠ A tilt/pitch angle smaller than 14° is not allowed as this does not allow for water run off – although the construction of the adjustment mechanisms would allow having a smaller angle.

⚠ Once the adjustment screw reaches its end position you may not adjust it further. Do not force it! Disobeying this instruction can lead to damage on the awning that can cause hazard and void the warranty!

1. Extend the awning no more than 1/4 of its full projection before attempting to adjust the tilt/pitch angle.



3. Turn the pitch/adjusting bolt adjusting screw clockwise to decrease the tilt/pitch angle or turn counter-clockwise to increase the tilt/pitch angle.

☞ The front bar must always be level for best performance and so the awning retracts correctly. Use a level on the front bar, to ensued the front bar is level before you tighten all bolts.

4. When the desired tilt/pitch angle is achieved, tighten all of the safety nuts.

☞ Always remove the crank handle when awning is not used and keep it in a safe and dry place.

Extend and retract the awning

Your folding arm awning should now be completely installed.
The awning can be extended and retracted by a crank handle included in delivery.
Always ensure the awning is fully retracted in windy conditions, or when storms are expected.
Failure to retract the awning in windy or stormy conditions may result in damage being caused to your awning.
Such damage, is not covered by warranty.

4. TROUBLE SHOOTING

Regular maintenance will not only help to keep your awning in prime operating condition, a long but is also important for your own and the safety of other people.

- Examine regularly if wall brackets are tight, fasten them if loose or lax.
- Examine the gear box once in half a year. If you find any damages stop using the awning until gear box has been repaired or renewed.
- Examine the bolts and nuts once every 6 months, tighten them if loose or lax.
- Stop using the awning immediately if is has been damaged or fasteners will not tighten properly.