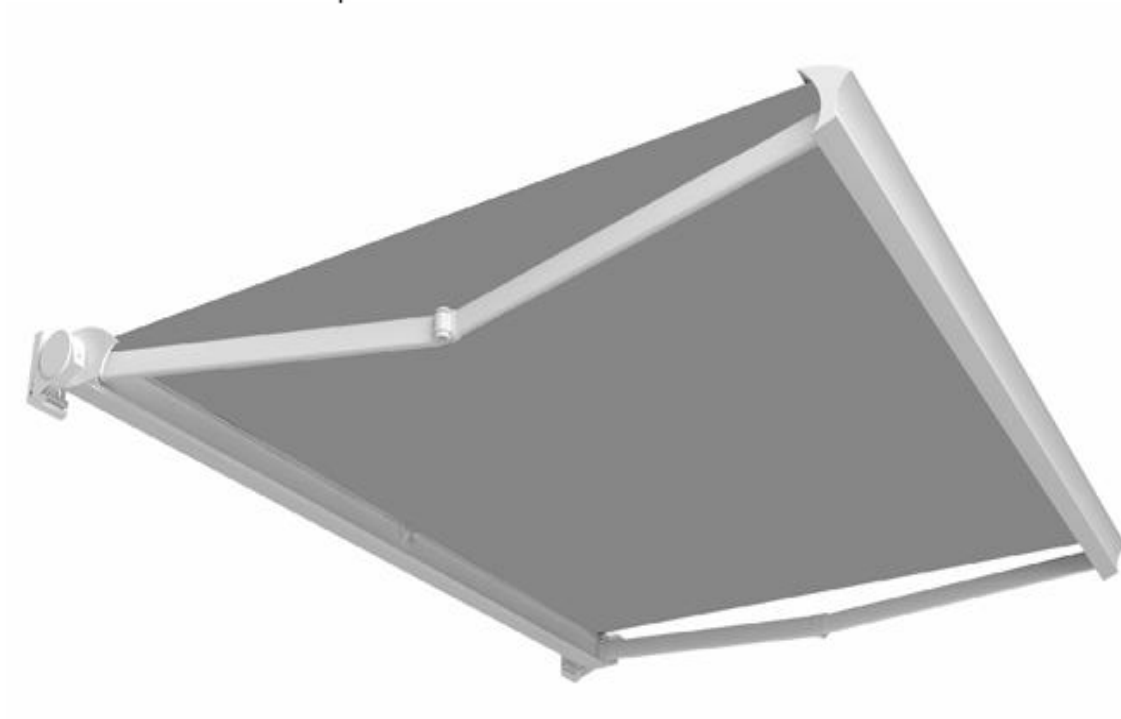


PREMIUM PLUS FULL CASSETTE AWNING



INSTALLATION MANUAL



Out With the Old, In With the View

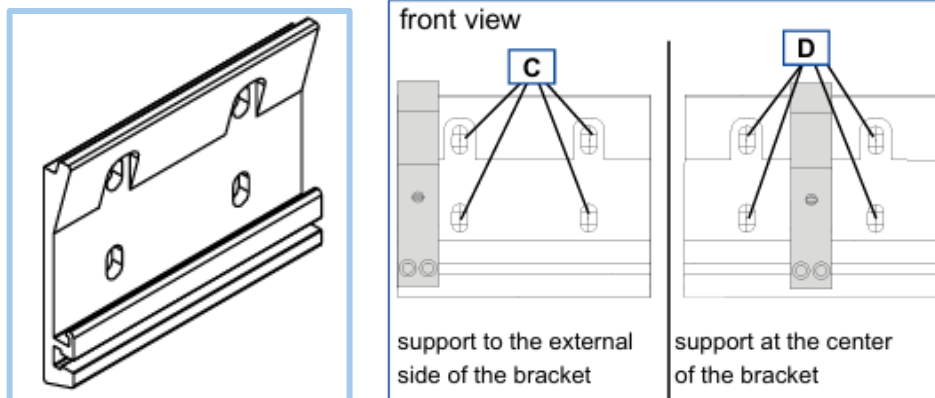
AWNING COMPONENT/ATTACHMENT DETAIL

To plan for the installation of a Premium Plus Awning, the following detail is provided. The table below, confirms the number of arms and number of attachment brackets based on the width and projection of your awning.

Premium Plus	
Projection	
	up to 20'
6'11"	
Arms	2
Wall/Ceiling Bracket	2
8' 6"	
Arms	2
Wall/Ceiling Bracket	2
10'2"	
Arms	2
Wall/Ceiling Bracket	2
11'9"	
Arms	2
Wall/Ceiling Bracket	2

2 ARM AWNING

The awning can be installed with the brackets placed evenly with the outside edge of the awning or the awning can be attached at the center of the bracket as shown below

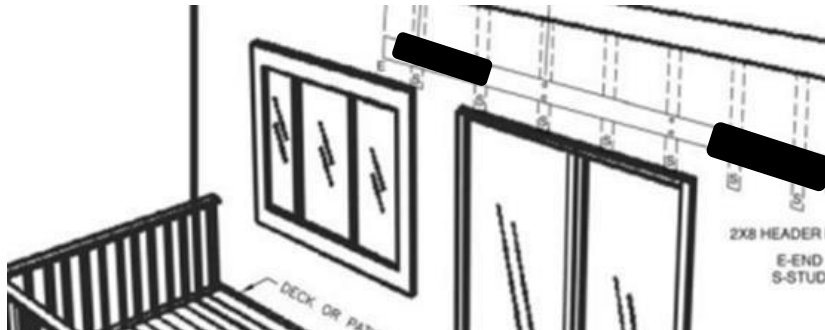


Standard bracket dimensions are 7.9" wide by 6.3" in height

BRACKET ATTACHMENT

For the best functionality of the awning and the highest level of safety, Polar Shades recommends the use of the Premium Plus extended bracket for wall attachment

The use of the extended bracket enables secure attachment of the awning to the wall studs at both ends in a manner that may not be readily accessible due to the required positioning of the awning brackets. With the extended bracket firmly secured to wall studs, the extended bracket is a secure attaching surface for the attachment of the awning in the same manner that a ledger board would provide.



It is important to note that attaching screws are not included with the awning shipment. The installer must note the attaching surface and purchase the appropriate screws for attachment of the ledger board and the awning brackets.

- For installation with roof mount brackets. The Premium Plus awning always requires 4 roof mount brackets for placement on either side of the arms. The roof mount brackets will be secured to the roof at rafters (similar to wall attachment to studs) and the extended brackets will be attached to each pair of roof mount brackets.
- It is advisable to mount the roof mount brackets to the eave extension of the roof thus avoiding the possibility of penetration of the roof structure and potential for ceiling leaks.
- The roof mount bracket attachment should be sealed to avoid moisture penetration. See picture showing roofing cement around the bottom of the bracket and over the attaching holes as well.



- Once the roof mount brackets are installed, adjust the roof mount bracket angle so that the back of the bracket is completely vertical.

- The Premium Plus roof mount bracket angle options are:
 - 12" > 72°-60°-47°-45°-39°-32°-31°
 - 24" > 80°-72°-66°-58°-50°-49°-47°-45°

The charts below provide guidelines for direct bracket attachment to various surfaces in the event that the extended bracket is not used.

Types of anchors based on wall composition.

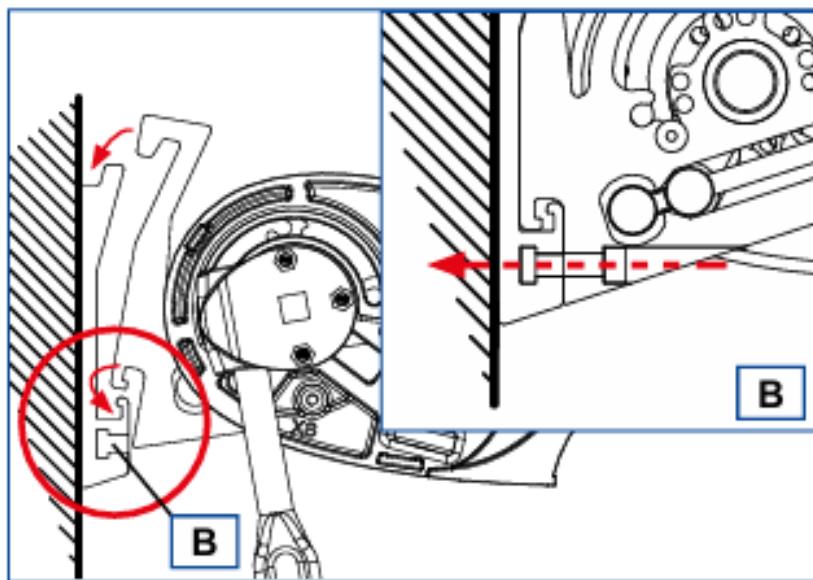
Extraction load on anchors (KN)		
Hilti HST		CONCRETE CRACKED CONCRETE NATURAL HARD STONE
Hilti HSA		CONCRETE NATURAL HARD STONE
Hilti HIT-HY 150 with HAS		CONCRETE
Hilti HIT-RE 500 with HAS		CONCRETE NATURAL HARD STONE FULL BRICK WOOD
Hilti HIT-HY 50		AUTOCLAVED AERATED CONCRETE FULL BRICK WOOD
Hilti HIT-HY 20		HOLLOW BRICK

Anchoring Process

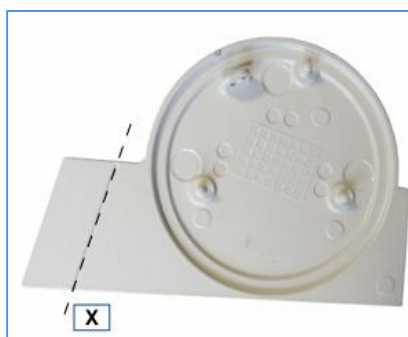
MECHANICAL ANCHOR		CHEMICAL ANCHOR	
	1° Drill a hole suitable for the anchor		1° Drill a hole suitable for the anchor
	2° Pay special attention to the depth of the hole		2° Pay special attention to the depth of the hole
	3° Clear the hole of dust and fragments (ideally using compressed air)		3° Clear the hole of dust and fragments with a brush
	4° Install the anchor		4° Remove residual dust using compressed air
	5° Tighten up the recommended tightening torque (see Hilti General Catalogue)		5° Inject chemical adhesive
	6° Final configuration		6° Introduce and adjust anchor, leaving it for the necessary rest time before introducing the plate (see product box)
			7° Position the plate and tighten to recommended tightening torque after "T cure" time (see Hilti General Catalogue)

Awning installation steps:

- 1) Using a level and string, mark the position for the bracket holes on the wall or ceiling.
- 2) Secure the brackets.
- 3) Install the awning on the brackets, tilting until the awning hooks into the bracket. (refer to diagram below- left)
- 4) Secure the awning to the bracket by tightening the screws, (refer to diagram below- right)



- 5) Attach the awning onto the brackets noting that if the awning is installed with the support at the center of the bracket, cut the cover along line x as shown below

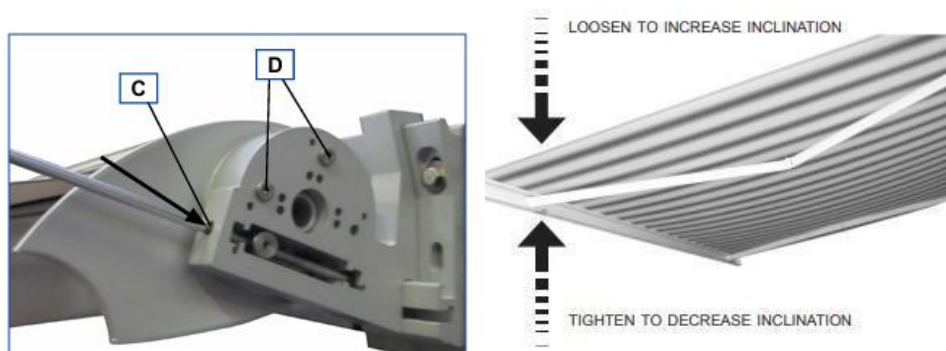


6) The Premium Plus Awning can be set with a pitch between 0 and 80° as follows:

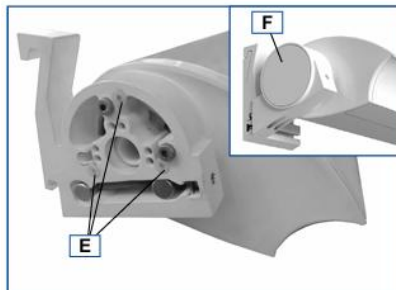
a. Remove the endcaps from the shoulder supports.

b. With the awning extended, while supporting the front bar, use a 6mm Allen wrench to loosen screw C until the desired inclination is achieved. Using a 3 mm Allen wrench adjust the screw (C) until the desired inclination is achieved. Repeat the process on the opposite arm.

c. Once the desired pitch has been achieved, secure the position of the awning by tightening screws (D) using a 5 mm Allen wrench.



7) Replace the endcap F on the shoulder support by aligning the connectors with the holes (E) shown below.



8) Retract the awning and confirm that the awning arms are aligned when the awning is retracted.



9) If the elbows are out of alignment, locate the 2 grub screws G on both sides.

(see picture below). Loosen one grub screw and tighten the other to raise or lower the arm.



Extend and retract the awning a couple of times to confirm that the alignment is correct.

10) Following the remote programming instructions, set the front and back limits confirming that the front bar retracts to the semi cassette box in a completely closed position, adjusting the positioning slides as needed.