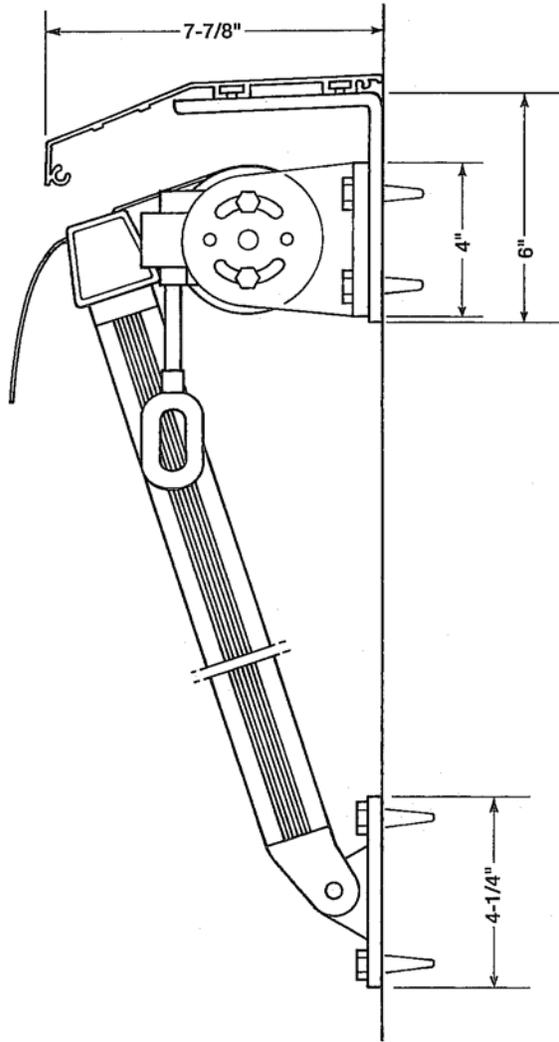


ROBUSTA AWNING PROFILE DIMENSIONS



Motor Selection Guide

Awning Width:	4'-10'	10'-20'	20'-23'
No. Arms Required:	2 arms	3 Arms	4 Arms
Projection of Arms:			
2' arm	530A2	530A2	540A2
3' arm	530A2	530A2	540A2
4' arm	530A2	530A2	540A2
5' arm	530A2	530A2	540A2

The Robusta **RETRACTABLE WINDOW AWNINGS**

Installation Manual



The Robusta

RETRACTABLE WINDOW AWNINGS

INTRODUCTION

A versatile retracting awning system that utilizes a unique arm tensioned fabric to provide sun protection and reduce heat gain. The Robusta retractable window awning provides protection for your valuable furnishings from harmful UV rays. When you prefer to let in the light or during extreme weather, simply retract the awning using the standard hand crank or optional electric motor. It's perfect for use on windows on private homes, schools, office buildings.*

FEATURES AND BENEFITS

- Heavy duty construction for larger window applications.
- Adjustable from 0° to 160° for complete sun and shade control.
- Optional WeatherGuard™ cover makes installation permanent, no put up and take down expenses and protects the awning from inclement weather during the off-season.
- Available in 200+ fabric patterns and colors.
- The Robusta can be mounted on the wall or soffit.
- Comprehensive 5 year warranty on all Robusta components.

GENERAL INFORMATION

Fabrics

Available in hundreds of beautiful colors and elegant striped patterns, the 100% acrylic weatherproof fabrics are resistant to fading and mildew.

Operation

The Robusta can be mounted on the wall or under the soffit. It opens or closes by a hand crank or motor, allowing sun or shade whenever desired. During operation, it can be stopped at any point from just open to 160 degrees, virtually closing off the entire window for full sun protection or privacy.

Maintenance

All fittings are made of high quality extruded or diecast aluminum. The arms, optional WeatherGuard cover and front profiles are all made of extruded aluminum.

**Cannot be used with casement windows*

SPECIFICATIONS

Width	Minimum 4ft. -maximum 23 ft. as one unit.
Projection	2 ft. -5 ft. spring-loaded arms standard. Any intermediate projection available.
Operation	Motorized or manual gear/hand crank.
Hardware	100% maintenance free. Powder coated aluminum hood, front bar, roller tube and arms. All other parts are die-cast aluminum. Available in white, almond, sand, bronze or black/brown.
Installation	Mounted directly to wall Optional Hood with side covers

IMPORTANT INFORMATION

Total awning width	equals measurement of the awning from outside of the end brackets
Roller tube	equals total awning width minus 4" for gear, minus 2-5/8" for motors
Front tube	equals total awning width minus 4" for gear, minus 2-5/8" for motors
Arm extrusion	equals arm projection minus 5-5/8"
Cassette	equals total awning width plus 1/2"
Fabric finished width	equals total awning width minus 5"
Fabric finished length ...	equals arm projection times 2, plus 7"

IMPORTANT: The retractable fabric awning is designed to provide shade only, and should be retracted when extreme wind, rain, or snow conditions exist.

The Robusta

RETRACTABLE WINDOW AWNINGS

Robusta INSTALLATION AND ADJUSTMENT PROCEDURES

It is extremely important to take into consideration the type of building construction when mounting the small window awning. Whether the building exterior is stucco, brick, or wood shingles, it is important to install the mounting brackets in an adequate manner so as to properly secure the awning to the building's surface.

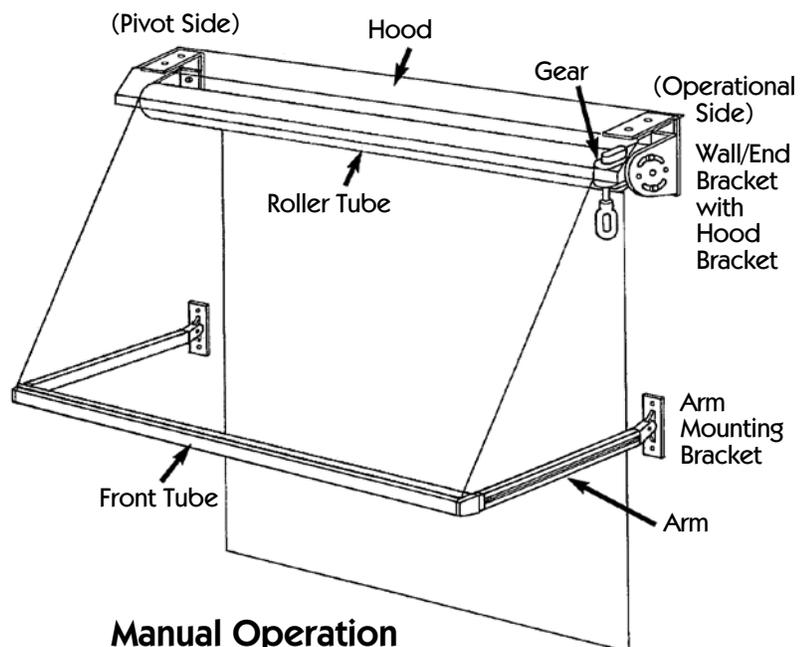
Manual Operation From Outdoors:

1. Before installation, check to make sure the awning is the correct size for the window.
2. Mount a Wall/End Bracket onto the wall or soffit at the operation side of the awning.
3. Mount the gear to the Wall/End Bracket with the supplied bolts.
4. Install the stainless steel Pivot into the other Wall/End Bracket (do not tighten).
5. Insert the Roller Tube with fabric into the gear. (Remember to use the square pin end of the tube). While holding the roller tube level, install the Wall/End Bracket with Pivot into the round gudgeon on the Roller Tube. Mark the location of the mounting holes of the Wall/End Bracket onto the wall. (Be sure the Roller Tube has a play of approximately 1/8" on the stainless steel pivot).
6. Take the Roller Tube back out, remove the pivot from the Wall/End Bracket and mount the Wall/End Bracket (and the Hood Mount Bracket) to the wall or soffit.
7. Repeat step 5, but this time tighten the pivot to the Wall/End Bracket. (Operation Side)
8. Connect the arms to the Front Tube backwards, without Wall/End tightening the nuts. (Be sure the fabric is rolled up so the upper part of the front tube hits slightly over the center line of the roller tube.)
9. Let the backwards arms hang from the front tube leaving the nut untightened. Place the Arm Mounting Bracket against the wall and mark the exposed bottom hole. (Outline the entire bracket if necessary). Repeat for all the arms.
10. Remove the arms from the front tube. Line up each Arm Mounting Bracket with its corresponding outline on the wall (keeping the arm pointing down) and mark the exposed top hole.
11. Mount the arm (While it is pointing down) by the top Front Tube hole first. Once the top bolt is secured, raise the arm (against spring tension) and attach it to the front tube.
12. Make sure the tubes line up and the arms are vertical. Tighten the nuts and bolts. The bottom holes are now
13. Attach the valance to the Front Tube and put the Plastic End Caps onto the ends of the front tube.

14. Attach the Hood to the Hood Mount Brackets. Then attach the Hood Side Covers to the Hood.

Motorized Operation:

1. Mount the pivot side Wall/End Bracket to the wall or the soffit. (If a hood is being installed as well, mount the Hood Mount Bracket together with the Wall/End Bracket using the same holes and screws.)
2. Insert the stainless steel Pivot.
3. Attach the operation side Wall/End Bracket to the motor. Do not tighten the bolts, but insert the motor into Roller Tube.
4. Raise the Roller Tube Assembly and place it on the pivot. While holding the Roller Tube level, mark the hole locations using the operation side wall/end bracket as a guide. Be sure that the Roller Tube has 1/8" of play on the pivot..
5. Take the Roller Tube Assembly back down and detach the Wall/End Bracket from the motor. Mount this bracket to the wall or soffit.
6. Re-install the Roller Tube Assembly and secure the motor with the supplied bolts.
7. Follow steps 8-13 for "Manual Operation From Outdoors" (at left).
8. Follow the instructions included with the SOMFY motor. All electrical work should be done by a qualified electrician conforming to local codes. (Pivot Side)



**Manual Operation
from Outdoors**