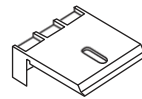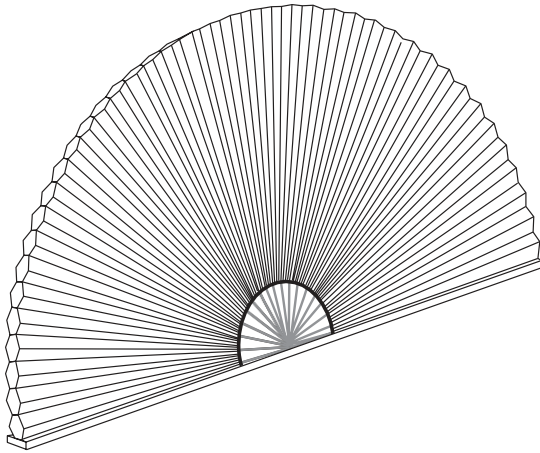# Cellular Shades
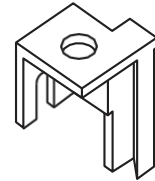## Arches Manual
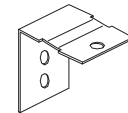
ARCHES: Shades for Half Circle Windows

INSTALLATION BRACKET

ARCH SUPPORT CLIP

SPECIALTY WALL MOUNT BRACKET

SPECIALTY END MOUNT BRACKETS (INSIDE MOUNTS ONLY)

SHADE WIDTH	BRACKETS REQUIRED
305 – 787mm	2
787 – 1524mm	3
1524 – 1830mm	4

All Cellular Shades® arches (half circle shades) are supported along the bottom edge with a bottom rail. The bottom rail is mounted using a combination of standard installation brackets and arch support clips.

The minimum mounting depth for arches is 12mm. To flush mount the arch requires a sill depth of 42mm. To outside mount the arch requires a minimum flat vertical mounting surface of 12mm.

Note: The height of an arch cannot exceed half the width. The minimum height must exceed 1/3 of width.
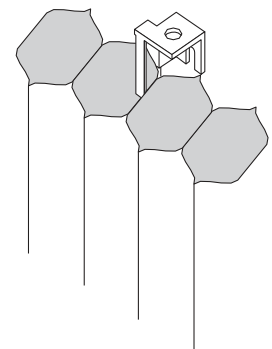
Stand-Alone Inside Mounts

See the "Number of Clips" chart to determine how many arch support clip brackets you need. Space the two end brackets 60mm from the edges of the window. Place intermediate brackets evenly along the sill. Mark the bracket positions. Check that all are an equal distance from the front/back of the window sill, so the arch will sit parallel with the window and wall.

Installation of Arch Support Clips

Arch support clips are screwed to the surface either through the hole in the top of the clip (inside mounts) or the slot in the back (outside mounts). Install the first arch support clip at the top of the arch, so the clip holds the centre cell of the fabric, as shown.

If necessary, space additional clips ("Number of Clips" chart) evenly along the arch so the clips are spaced no more than 450mm apart.

SHADE WIDTH	CLIPS REQUIRED
305mm – 585mm	1
586mm – 1170mm	3
1171mm – 1750mm	5
1751mm – 1830mm	7

Making Arch Window Template

NOTE: The Blind will be made to the exact size of the template. Allow for a 5mm clearance around the radius of the arch.

Equipment Required

- 1 x pair of scissors
- 1 x pencil
- 1 x straight edge
- 1 x sheet of corrugated cardboard
- 1 x metric measuring tape
- 1 x used COUNTRY WOODS® slat
- 1 x battery drill and a 1/8" drill bit

From the END punched out hole of the COUNTRY WOODS® slat measure 500mm and drill a 1/8" hole in the centre of the slat.

Push the 1/8" drill bit halfway through the slat and then into the cardboard at position (d).

Insert the pencil point through the punched-out hole of the slat, draw an arc on the cardboard from base line to base line using the drill bit as the pivot point.
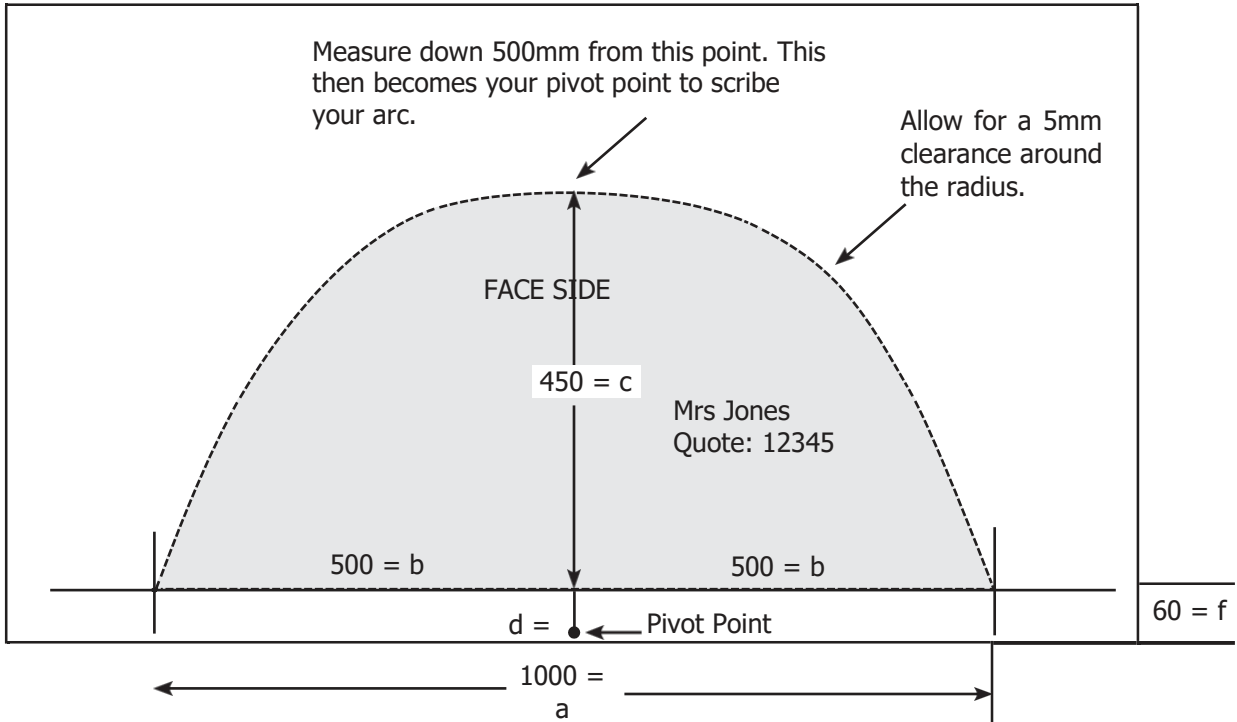
Cut along pencil base line and arc.

Hold the cardboard templet up in the window arch.

Position pencil flat in the reveal of the window arch with the lead against the cardboard, slide the pencil around the reveal of the arch marking a line around the edge of the cardboard.

Because the pencil will follow the curvature of the arch and the distance between the outside of the pencil and the lead of the pencil it should give a 4mm-5mm clearance gap once trimmed.

Mark on Template: "FACE SIDE" and customer's name and Lead Number.

Measure down 500mm from this point. This then becomes your pivot point to scribe your arc.

Allow for a 5mm clearance around the radius.

FACE SIDE

450 = c

Mrs Jones
Quote: 12345

500 = b   500 = b

d =   Pivot Point

60 = f

1000 = a

500

Timber or cardboard slat used to scribe arc.
(Called a trammel).

Measure along bottom of arch	i.e. 1000mm (a)
Divide the bottom measurement	i.e. 500mm (b)
Measure from the bottom to the top of arch at its highest point	i.e. 450mm
(c) Subtract (c) from (b), which leaves	50mm (d)
Draw a base line 60mm up from one long edge of cardboard	(f)
Measure along line ..... 100mm (a). Then measure along line 500mm (b)	
At the 500mm point measure down 50mm (d)	

Options & Limitations

Cellular Shades Operable Arch Shades

	10mm CLASSIC 10mm NIGHTFALL	20mm SYMPHONY 20mm MIDNIGHT
MAXIMUM WIDTH	1830mm	1520mm
MINIMUM WIDTH	360mm	360mm
MAXIMUM DROP	915mm	760mm
MINIMUM DROP	180mm	180mm
MAXIMUM END ROUT	1220mm	1220mm
MINIMUM DEPTH FULLY RECESSED 10mm	38mm	57mm
MINIMUM DEPTH FULLY RECESSED SPECIALTY END MOUNT BRACKET 10MM	28mm	50mm

NOTE:

• Template required.

• Sheer not available.

• Specify extension pole if required.

Cellular Shades Operable Arch Shades Measuring

Precise width and drop measurements are critical, as all Operable Arch Shades must be a reveal mount.

- Measure the exact width inside the window opening at the bottom.
- Measure the exact drop inside the window opening at the tallest point.
- Template Deductions - 5mm around the arch.

Prepare a Template

With perfect arches, the drop will equal one-half the width (see Fig. 1). With imperfect arches, or eyebrows, exact drop/width relationships do not occur (see Fig. 2). Extra care must be taken to ensure a good fit.

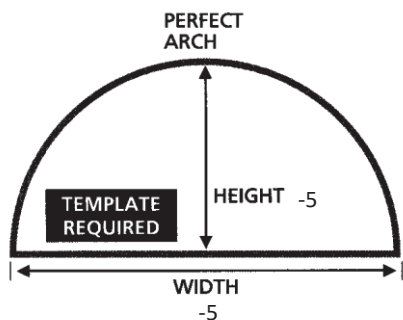Include the template with your order. (Templates must be cut out).

PERFECT ARCH

TEMPLATE REQUIRED

HEIGHT -5

WIDTH -5

Fig. 1

IMPERFECT ARCH

TEMPLATE REQUIRED
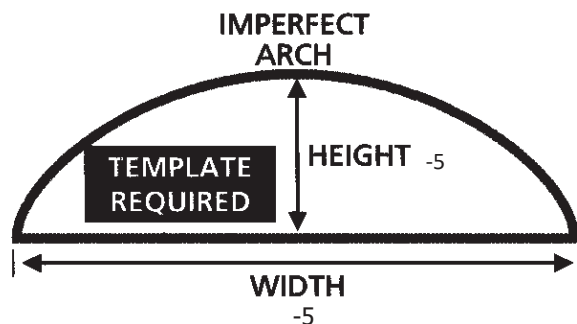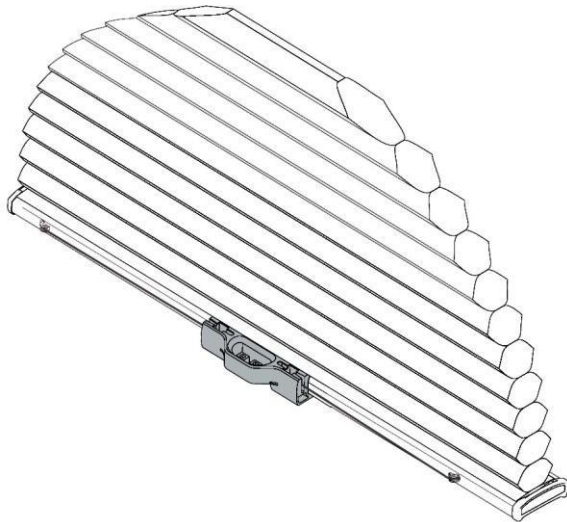
HEIGHT -5

WIDTH -5

Fig. 2

Cellular Shades Operable Arch
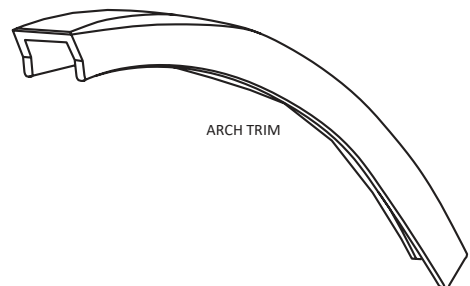
Installation Instructions
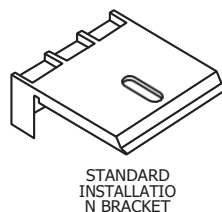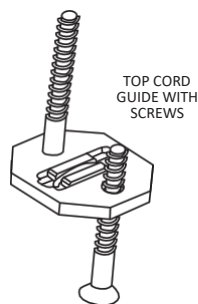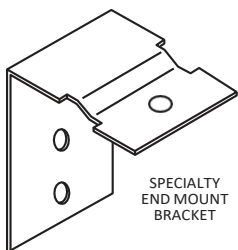
Tools Required

- Steel measuring tape
- Carpenter's level
- Power or battery drill and bits
- Phillips head screwdriver
- Tweezers/Needle nose pliers
- Stanley knife

In addition to these tools, you will need wallmates or toggle bolts to attach the installation brackets to non-solid surfaces, such as gyprock and plaster.

Materials & Tools

Standard installation, specialty end mount brackets and an arch trim can be used with Cellular Shades® Operable Arch Shades. The top cord guide is used with all Cellular Shades Operable Arch Shades.

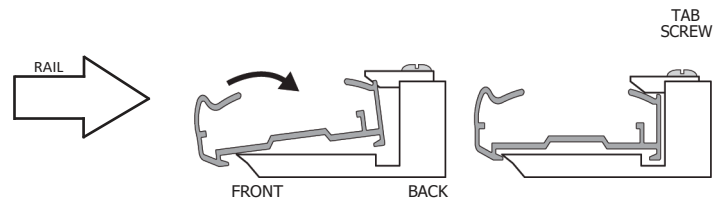If the arch trim needs to be installed, refer to "Installation and Adjustments with the Arch Trim".

SPECIALTY
END MOUNT
BRACKET

TOP CORD
GUIDE WITH
SCREWS

STANDARD
INSTALLATIO
N BRACKET

ARCH TRIM

Installation & Adjustments with the Arch Trim

For proper operation of the shade, it is very important that the bottom rail be mounted level.
Use a carpenter's level to check that the mounting surface is level.

Standard Installation Brackets

Push the two installation brackets onto the rail aligned behind the two bottom cord guides. Place the rail into the window. The rail needs to be moved back 12mm from the front of the reveal to allow room for the arch trim. (The front of the rail will be touching the back of the trim when the trim is installed.) Mark along the back of the brackets for the correct placement. Remove the rail from the window and remove the brackets from the rail. Align the brackets with the marks just made and mark the screw holes. Install the brackets.

To mount the shade, push the rail into the installation brackets. The front lip on each bracket fits into the front groove on the bottom of the rail. Push on the rail until it snaps into place. Make sure no fabric is caught between the tab and the rail. Hand tighten the tab screw on each bracket. Do not overtighten. To access the tab screw, gently move the fabric forward if necessary.

Installation of Arch Trim

The arch trim is installed flush with the window reveal. The arch trim is installed in front of the rail as shown (illustration 1).

To size the trim, position the trim along the entire curved surface inside the window frame and mark where to trim it. The ends of the trim should rest on the bottom of the window reveal. If necessary, trim the arch trim to the correct length using a Stanley knife.

Place the trim back into the reveal and line up the trim with both ends of the reveal and flush with the front of the reveal.
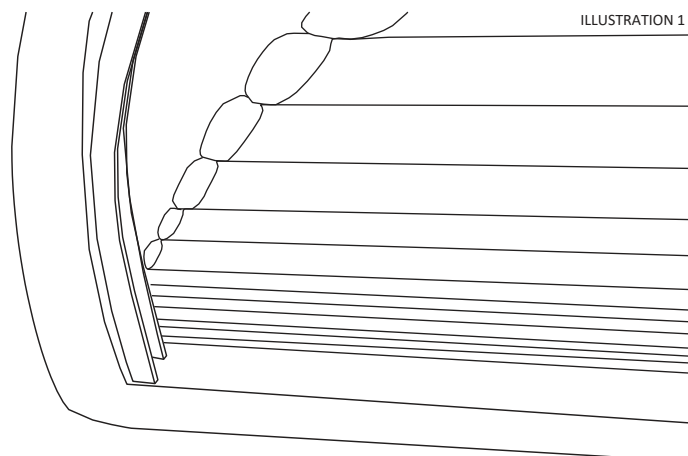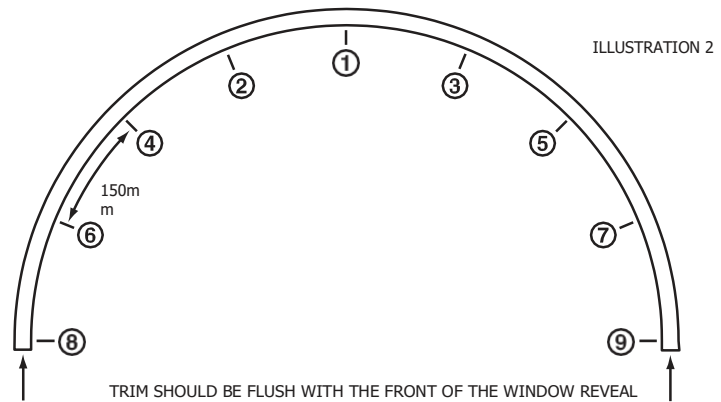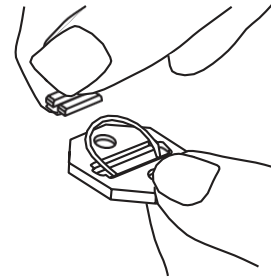

ILLUSTRATION 1

Holding the trim in place, screw the trim into the top of the reveal. Install the remaining screws about every 150mm as shown (illustration 2). Screws are placed in the centre of the trim and should be flush with the trim when installed.

Trim should be flush with the front of the window reveal.

ILLUSTRATION 2

150mm

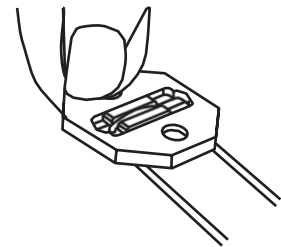TRIM SHOULD BE FLUSH WITH THE FRONT OF THE WINDOW REVEAL

After the bottom rail is installed, mount the top cord guide to hold the centre cord.

Hold the centre cord taut and straight up towards the top of the arch. Remove the top cord guide insert and place the cord up through the guide as shown. Place the insert back into the cord guide with the cord fitting into the groove of the insert. Pull the cord taut to be sure the insert is seated back into the cord guide as shown. The cord must be kept with some tension on it, so the insert does not fall out during the installation process. Line up the front of the guide against the back of the arch trim directly above the shade so the bottom rail and cords form a 90° angle.
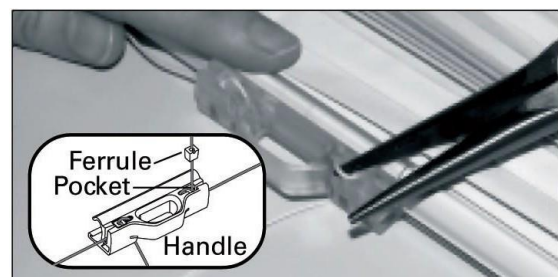
Mark and drill the back hole of the guide. Screw in the back screw only. Close the shade by moving the handle to the right and determine if the centre cord guide is in the correct location by watching the fabric rise. If necessary, readjust the location of the centre cord guide and close the shade again to check alignment. Mark, drill and then screw the top cord guide into place.

Adjustment of the Cord Tension

With the shade installed, the cord tension may need to be adjusted (i.e., the shade is not opening fully, or the shade is not staying closed). To tighten the tension, pull the cord up from the arch handle with tweezers or needle nose pliers into the next opening on the handle. This can also be done, if necessary, with the cord on the other side of the handle.

Ferrule Pocket

Handle

Fabric Adjustment

Trim the shade if the fabric rubs at any point against the window reveal while opening or closing the shade. With the shade closed, note the area(s) where the fabric cells are rubbing. Gently pull the fabric forward in that area out of the window reveal. Pull the fabric taut against the reveal. Cut small sections of the fabric from the noted area, being careful not to cut too much fabric away. Trim downward, toward the base, following the curve of the arch. Gently push the fabric back into place. Open and close the shade checking to see if the fabric still rubs. Check the fit after each cut. If needed, repeat the trimming process until the fabric raises and lowers without rubbing.
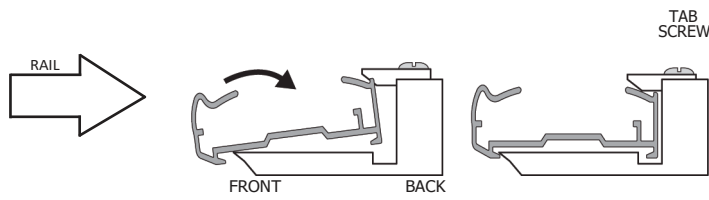
Installation & Adjustments
Without the Arch Trim

For proper operation of the shade, it is very important that the bottom rail be mounted level. Use a carpenter's level to check that the mounting surface is level.

Standard Installation Brackets

To flush mount the shade, the mounting surface must be at least 38mm deep for 10mm pleat sizes or 57mm deep for 20mm pleat sizes.

Place the rail into the window and mark below the two bottom cord guides on the mounting surface. Remove the shade and centre the bracket screw hole with this mark. Screw the brackets to the mounting surface. To mount the shade, push the rail into the installation brackets. The front lip on each bracket fits into the front groove on the bottom of the rail. Push on the rail until it fits into place. Make sure no fabric is caught between the tab and the rail. Hand tighten the tab screw on each bracket. Do not overtighten. To access the tab screw, gently move the fabric forward if ne cesary.

Specialty End Mount Brackets

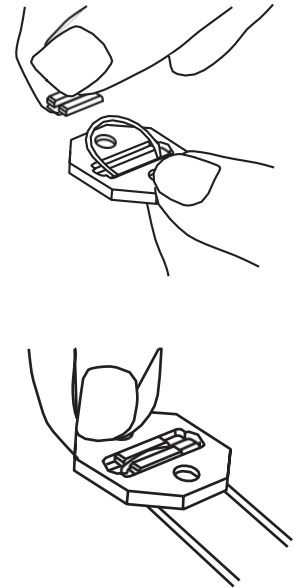When specialty end mount brackets are used, the bracket ends point up toward the top of the arch.

To flush mount the shade, the mounting surface must be at least 28mm deep for 10mm pleatsizes and 50mm deep for the 20mm pleat sizes.

Slightly remove the end caps and slide the brackets into the rail. The end caps are reattached as the brackets slide onto the rail. Hold the shade assembly in the window opening and mark the holes for the mounting bracket screws. Remove the shade. Drill the mounting screw holes. Position the shade assembly in the window opening. Gently pull the fabric forward to expose the drill holes and mount the brackets to the mounting surface. Be very careful not to damage or wrinkle the fabric during the installation process.
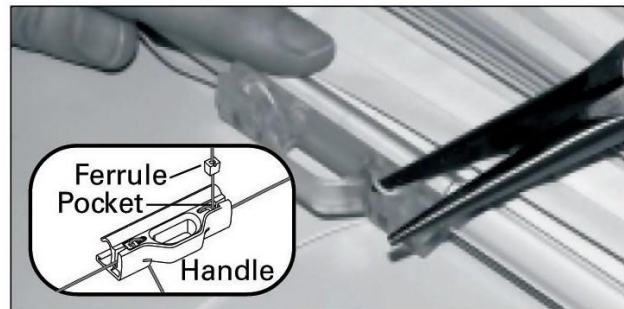
Installation of Top Cord Guide

After the bottom rail is installed, mount the top cord guide to hold the centre cord.

Hold the centre cord taut and straight up towards the top of the arch. Remove the top cord guide insert and place the cord up through the guide as shown. Place the insert back into the cord guide with the cord fitting into the groove of the insert. Pull the cord taut to be sure the insert is seated back into the cord guide as shown. The cord must be kept with some tension on it, so the insert does not fall out during the installation process. Line up the front of the guide with the front of the reveal directly above the shade so the bottom rail and cords form a 90° angle. Mark and drill the back hole of the guide. Screw in the back screw only. Close the shade by moving the handle to the right and determine if the centre core guide is in the correct location by watching the fabric rise. If necessary, readjust the location of the centre cord guide and close the shade again to check alignment. Mark, drill and then screw the top cord guide into place.

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Care & Cleaning

Cellular Shades® Operable Arch Shades fabric is anti-static, requiring very little cleaning. Dusting with a feather duster or lightly vacuuming with a brush attachment is all that is needed in most cases. If necessary, the Cellular Shades Operable Arch Shades fabric can be cleaned by gently blotting with a soft, damp sponge. Take special care when handling Cellular Shades Operable Arch Shades opaque fabrics to avoid creasing. Professional ultrasonic cleaning is another option except for shades made with Cellular Shades Operable Arch Shades opaque fabrics. Only mild cleaning solutions should be used.