



Ellipse Monobloc Retractable Awning

PRODUCT GUIDE

^{NZ} Custom
Shade



Ellipse Monobloc Retractable Awning

A retractable awning is a smart way to extend your living space and enjoy the outdoors in comfort. Unlike permanent structures, it gives you the flexibility to adjust shade and shelter whenever you need it. Securely fixed to your building, it blends seamlessly with your home while providing reliable protection.

KEY BENEFITS:

- Flexible shade and shelter on demand
- Custom sizes, fabrics, and hardware finishes
- Premium UV- and fade-resistant fabric
- Manual or motorised operation
- Built for New Zealand conditions
- Sleek, modern design
- Low-maintenance, long-lasting performance

Customising your Retractable Awning

Creating the perfect outdoor space starts with choosing an awning that fits your lifestyle, your home, and your style. With the Ellipse Monobloc retractable awning, you have total control to customise every detail — from fabric and frame colour to operation and automation. Here's how to make the right choices for your space:

1 START WITH YOUR SPACE

- Deck, patio, courtyard, or poolside?
- Measure width and extension for full shade coverage
- Consider sun direction, wind exposure, and daily use
- Adjustable pitch option - adjust the angle of the awning using a crank handle.

2 FABRIC & HARDWARE COLOUR

- Docril Acrylic Canvas is available in 20 colours with a 10-year UV warranty
- Hardware Options: White | Grey | Textured Black
- Light colours brighten; dark shades reduce glare

3 OPERATION

- **Manual** – simple, reliable, no power needed, choose the correct length crank handle.
- **Motorised** – Automated control includes motor, remote and wind sensor. These come programmed and ready to go. *(Must be installed by a qualified electrician)*

4 BRACKET TYPE

- **Face Fix** – For fixing your awning to an outward facing part of your building.
- **Soffit / Top Mount** – For fixing your awning to a soffit or roof. *See diagrams page 12*

5 AWNING HOOD (OPTIONAL)

- Protect your awning when it's not in use with a stylish, powder coated hood. These come in a selection of colours to match your awning and come fully assembled on the awning ready to go.



Choosing an Awning Location

Choosing the right location for a retractable awning depends on your primary goals:

Sun protection, indoor cooling, or enhancing an outdoor living area. Considering the orientation of your home, local weather, and physical installation requirements is crucial for maximizing its benefits.

FOR MAXIMUM SHADE AND COOLING

- **North-facing decks and patios:** This is the ideal spot for an awning for most of the day. A north-facing awning will provide consistent shade throughout the day and reduce heat in adjacent rooms.
- **West-facing areas:** An awning here is most effective for blocking intense afternoon and evening sun, making it perfect for late-day use and protecting your indoor space from evening glare and heat. If you are wanting to shade an outdoor space the adjustable pitch allows you to lower the front of the awning in the late afternoon.
- **East-facing areas:** This placement provides shade during the morning, which is beneficial for breakfast on the deck or keeping morning sun out of bedrooms.

FOR ENERGY EFFICIENCY

- **Over large windows and sliding doors:** Strategically placing an awning over windows that get a lot of direct sun, especially on north or west-facing walls, can significantly lower indoor temperatures. This reduces your reliance on air conditioning and can help protect interior furnishings from UV fading.

FOR LIFESTYLE AND FUNCTION

- **Over decks and patios:** This is the most common use, extending your living space for dining, entertaining, or relaxing while staying out of the elements.
- **Above outdoor kitchens or BBQ areas:** An awning can protect your grilling station from sun and light rain, making outdoor cooking more comfortable and convenient.

Installation Considerations

STRUCTURAL SUPPORT

- **Mounting location:** Retractable awnings can be mounted on a wall, under eaves (soffit-mounted), or on the roof. Wall-mounting is most common and straightforward, but your home's structure must be strong enough to support the awning's weight. If you are unsure a professional builder or handyman can assess the best option for your home.
- **Clearance:** Ensure there is enough unobstructed space for installation and operation. Check for any vents, exterior lights, downpipes, or other architectural features that could be in the way.

PITCH AND RAIN

- **Minimum pitch:** All folding arm awnings require a minimum pitch of 12–15 degrees to allow rainwater to run off the fabric. Failure to maintain this pitch can lead to water pooling, which can permanently stretch or damage the fabric.
- **Waterproofing:** Note that most retractable awnings are designed primarily for sun protection, not heavy rain. They should be retracted during heavy downpours to prevent damage.

LOCAL WEATHER CONDITIONS

- **Wind exposure:** Retractable awnings should be retracted in high winds. If you live in a particularly windy area, opt for a motorized model with a wind sensor that automatically retracts the awning when it detects strong gusts.
- **Sun path:** Track the sun's path over your house at different times of the day and year. For example, if you prefer afternoon shade, confirm the awning's shadow covers the desired area during that time.

How to Decide

- 1 Assess your needs:** Decide what your main goal is—maximum all-day shade, afternoon cooling, or protection for a specific area.
- 2 Monitor your space:** Observe how the sun and wind affect your potential awning locations at different times of the day.
- 3 Ask for help:** If you have any questions or need to talk to us. NZ Custom Shade representatives are available at sales@nzcusomshade.co.nz



Measuring for Your Awning

Before placing an order for your custom awning it is important to plan and measure your space carefully to ensure a good fit and easy installation. If you are unsure we recommend employing a local builder / handyman to assist.

WIDTH

- Measure the full, clear horizontal wall space where the awning will be mounted. This area should be free of downspouts, lights, vents, or other architectural features. Consider how it will look aesthetically as well as functionality.
- For optimal shade, consider making the awning a bit wider than the area you want to cover, such as the full width of your deck or patio.
- **Important note:** The width of the awning's fabric is generally narrower than the total width of the frame. Awning width can be any size up to and including 5m.

EXTENSION

- Measure how far you want the awning to extend from the wall to provide adequate shade.
- Consider the sun's path during different times of the day, especially for west-facing walls where the afternoon sun is low and intense.
- Mark the desired projection on the ground with chalk or tape to visualize the coverage and ensure it won't obstruct pathways or garden beds when extended.

HEIGHT

- **Minimum height:** Measure vertically from the ground to the proposed mounting point on the wall. The minimum recommended height is 2.3 meters to ensure proper headroom and to allow for the awning's pitch (slope).
- **Check clearance:** Ensure there is enough clear vertical space beneath the mounting point for the awning arms to retract properly. You need at least 25 cm of unobstructed space.
- **Mounting location:** You can mount the awning on a wall, under eaves (soffit), or on the roof. The optimal mounting type depends on your home's structure and available space.

ACCOUNT FOR OBSTRUCTIONS

- Before finalizing the location, do a thorough check of the area for any obstructions that could interfere with the awning's operation.
- **Horizontal:** Look for gutters, downspouts, light fixtures, and electrical outlets along the intended mounting line.
- **Vertical:** Ensure the fully extended awning will clear any fences, railings, or permanent seating.
- **Access:** If you choose a motorized awning, ensure the electrical outlet is on the same side and within easy reach of the motor.
- If measuring for a deck, be mindful of the railing height. If the deck surface is raised, an awning mounted at the minimum height may have an insufficient pitch or not clear the top rail. Always factor in the total height from the ground to the intended mounting point, not just from the deck surface.



Ask us for Help

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Fabric & Hardware

The fabric and hardware of a retractable awning work hand in hand—fabric brings colour, UV protection and style, while hardware delivers the strength and smooth function. Together, they create a durable, practical and attractive shade solution for any outdoor space.

Docril Acrylic Canvas

PREMIUM QUALITY FINISH

Docril Acrylic Canvas is renowned for its superior craftsmanship and high-end look. Designed for both style and performance, it delivers a sleek finish that enhances the appearance of any outdoor area.

LONG-TERM DURABILITY

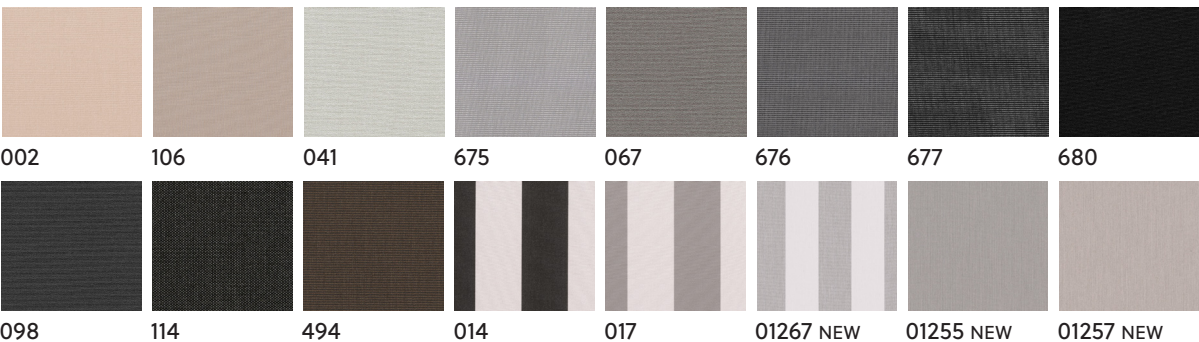
Built to withstand New Zealand’s harsh conditions, Docril comes with a **10-year UV warranty**, ensuring long-lasting protection against fading and deterioration. The fabric is engineered to resist wear, maintaining both its strength and appearance for years.

FADE RESISTANCE

One of the key advantages of Docril is its exceptional colourfastness. Even when exposed to direct sunlight, the canvas retains its vibrancy, making it an excellent choice for high-exposure areas like decks, patios and poolside spaces.

COLOUR RANGE

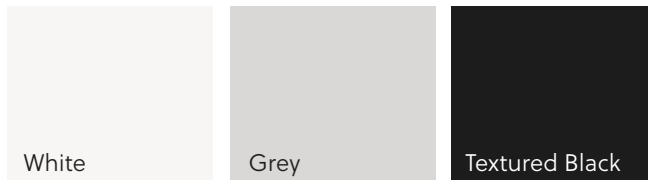
With a curated range of 16 colours, Docril offers a versatile selection to suit any style. From soft neutrals to rich, vibrant tones, there’s a shade to perfectly complement your home or add a bold, eye-catching feature.



Awning Hardware

SLEEK COLOUR OPTIONS

Awning hardware is available in three modern finishes: White, Grey, and Textured Black. These timeless tones are chosen to pair seamlessly with a wide range of exterior designs, letting the awning blend-in subtly or stand out with contrast.



AESTHETIC FLEXIBILITY

With three versatile shades, you can match your hardware to suit your space. White offers a crisp, clean look, grey provides a contemporary neutral and textured black delivers bold sophistication. Each finish is designed to complement both light and dark fabrics for a cohesive result.

BUILT FOR PERFORMANCE

Crafted from durable, high-quality materials, the hardware is designed to ensure long-lasting strength and smooth operation. Built to withstand outdoor conditions, it offers reliable performance while maintaining a sleek, modern appearance.





Operation

When selecting your awning, one of the key choices is whether to opt for manual operation or automated control. Manual awnings offer simplicity and reliability, while automated systems add effortless convenience at the touch of a button.

Manual

SIMPLE AND RELIABLE

Manual retractable awnings are operated by a hand crank, offering a straightforward and dependable solution. With no need for power, they are easy to use and always ready when you need shade.

COST-EFFECTIVE CHOICE

A manual system is generally more affordable than automation, making it a practical option without compromising on quality or durability.

LOW MAINTENANCE

With fewer mechanical components, manual awnings require minimal upkeep. They are built to last and perform well with little ongoing attention.

FLEXIBLE INSTALLATION

Because they don't require wiring or power connections, manual awnings can be installed in a wider range of spaces, including areas where electrical access is limited.

CRANK HANDLES

Manual retractable awnings can easily be operated using a crank handle (pictured). These are available in a range of lengths - please ensure you select the correct handle for the height of your awning.



Automated Operation

EFFORTLESS CONTROL

Automated awnings provide ultimate convenience at the push of a button. With a motorised system, you can extend or retract your awning smoothly and effortlessly using the included remote.

COMPLETE PACKAGE

Each automated package includes a motor, wind sensor, and remote, all pre-programmed and ready to use. The wind sensor adds peace of mind, automatically retracting the awning in strong winds to help protect your investment.

MODERN COMFORT

Automation enhances your outdoor lifestyle, letting you adjust shade with ease—whether you're relaxing, entertaining, or simply want quick protection from the sun.

PROFESSIONAL INSTALLATION

An electrician is required to wire the motorised awning to ensuring safe and reliable operation. Once installed, your system is ready to perform at the touch of a button.



The Alpha Navigator Remote



The Alpha Motion / Wind sensor



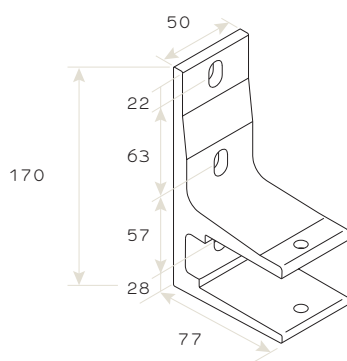
Choosing the Right Awning Bracket

Selecting the correct bracket is essential to ensure your retractable awning is safely and securely installed. The type of bracket you need will depend on the structure of your building and where the awning is being mounted.

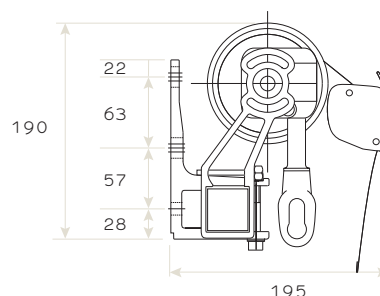
FACE FIX

A Face Fix bracket is designed to secure the awning to an outward-facing wall or surface of your building. This is the most common installation method, providing strong support while keeping the awning neatly aligned with the exterior.

FACE FIX BRACKET (MM)



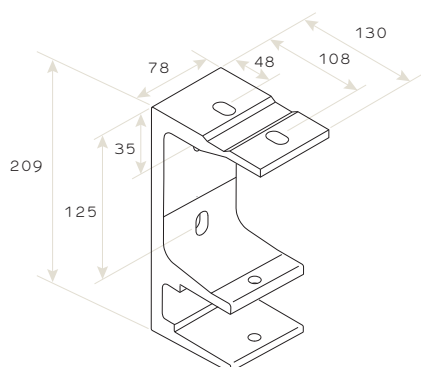
FACE FIX (MM)



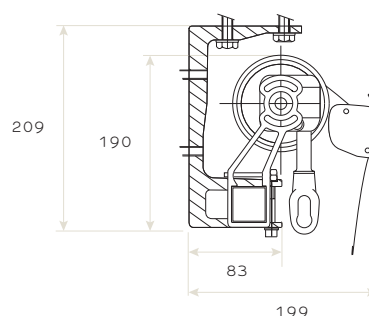
SOFFIT / TOP MOUNT

A Soffit or Top Mount bracket allows the awning to be fixed underneath a soffit, eave, or roof overhang. This option is ideal where wall space is limited or when a higher mounting position is preferred for greater shade coverage and improved clearance.

TOP FIX BRACKET (mm)



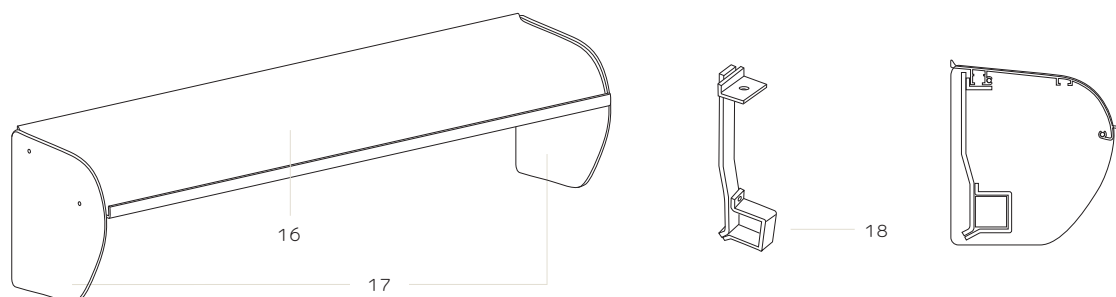
SOFFIT / TOP FIX (mm)



Optional Extras

AWNING HOOD

Protect your awning when it's not in use with a stylish, powder coated hood. These come in a selection of colours to match your awning and come fully assembled on the awning ready to go.



16 Aluminum hood 17 Aluminium hood end plates 18 Hood bracket fixed to square bar

Warranty & Peace of Mind

A reliable awning should come with robust warranties to give you confidence in your investment. The Ellipse Monobloc retractable awning and its fabrics are designed for long-lasting performance and protection (*for more warranty information see page 14*)

ELLIPSE MONOBLOC AWNING WARRANTY

Frame & Components: Powder-coated frame guaranteed free of defects under proper usage for five years. Ensures structural integrity and finish durability.

Motor & Electronics: Motors, switches, and electronics (if installed) are warranted for five years against defects in materials or workmanship.

DOCRIL ACRYLIC CANVAS FABRIC WARRANTY

Fabric Performance: Guaranteed for ten years against abnormal deterioration or colour fading, when used and maintained according to care instructions.

Care Instructions

GENERAL GUIDELINES

Retractable awnings should be retracted in periods of high winds and are intended to be used for sun protection. Your awning can only withstand small amounts of rain as long as the pitch is greater than 15°, if not, you could risk pooling in the fabric which can damage your awning.

Do not use a BBQ, other cooking equipment or gas heating under the awning, this can damage the fabric and cause mould/mildew.

Do not roll your awning away when the fabric is wet.

Do not attempt to adjust or remove any awning component, trying to do so may result in personal injury or product malfunction.

Fabric can form wrinkles or in some instances have a slight wavy effect, this is normal due to the awning fabric requiring seams along the width. This is not a fault.

OPERATION

Manual crank-operated awnings should be turned to extend. Turn slowly and do not try to force the crank handle, you must ensure to keep the handle on the same angle as the gearbox position. When extending the awning, wind the handle until the folding arms are in place and the fabric is at it's most taut position – you may need to wind back slightly to reach this position.

When you are finished using the awning simply wind to retract.

The fabric must always roll off the top of the roller tube. Ensure you do not jam the fall bar against the roller as this can leave indentations in the fabric.

Automated awnings are very easy to use, inner and outer limits are set during installation. Simply push the button (up/ down) to extend or retract your awning, this can be stopped in any position by pushing the centre button on the remote.

IMPORTANT NOTE: 'UP' must always be used to return the awning to its retracted position.

Remotes and sensors are battery operated which will require changing from time to time.

If the awning is fitted with a motion sensor this will send a signal to the motor several times an hour to let the motor know it's still protecting the awning. If the motor does not receive this signal for a period of one hour after being opened, it will close automatically as a protective measure. This is also a sign that the sensor batteries need replacing.

HARDWARE MAINTENANCE

IMPORTANT NOTE: If the awning is automated do not spray water at the motor head.

Your awning components are powder coated using Dulux powder coat systems. As a general rule cleaning should take place every six months. In areas where pollutants are more prevalent, such as beach front and industrial or geothermal areas, then a cleaning program should be carried out on a more frequent basis ie. one to three months.

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.

It is recommended to check all fasteners annually.

FABRIC MAINTENANCE

We recommend cleaning your fabric with a soft-bristled brush and rinsing with water. For localised stains, clean with a neutral detergent mixed in lukewarm water and rinse.

When used in awnings, it is very important to **allow fabric to dry completely before rolling it away**. Should it be necessary to roll the awning while the fabric is still damp, it can be dried with air (under no circumstances should hot air be used), although the fabric dries out very quickly thanks to its technical characteristics.

THERMAL PROTECTION (AUTOMATED PRODUCTS ONLY)

Your Shade Elements product may be fitted with an internal motor for ease of operation. The motors used have a 3-4 minute run time, after this time they can cease operation to ensure a thermal overload is not reached which would damage the motor. If this function is to happen, **allow the motor to cool down for approximately 30 minutes** (depending on atmospheric temperatures) before it is able to operate again. **This is normal for all tubular motors and is not a fault.**

WARRANTY

Your awning comes with a five year limited warranty on all hardware components of the system.

The warranty will be void if the fabrication and/or installation has not been completed according to manufacturer's specification or the following:

- The maintenance plan is not followed.
- Damage caused by extreme weather events.
- Water ingress to the motor (caused by insufficient flashing).
- Vandalism.
- Incorrect operation or cleaning.
- Fabric skin warranties differ based on user selection.